

BACnet Integration Guidelines



CoolMaster Product Line

CooLinkNet

CooLinkHub

CooLinkBridge

BACnet Integration Guidelines

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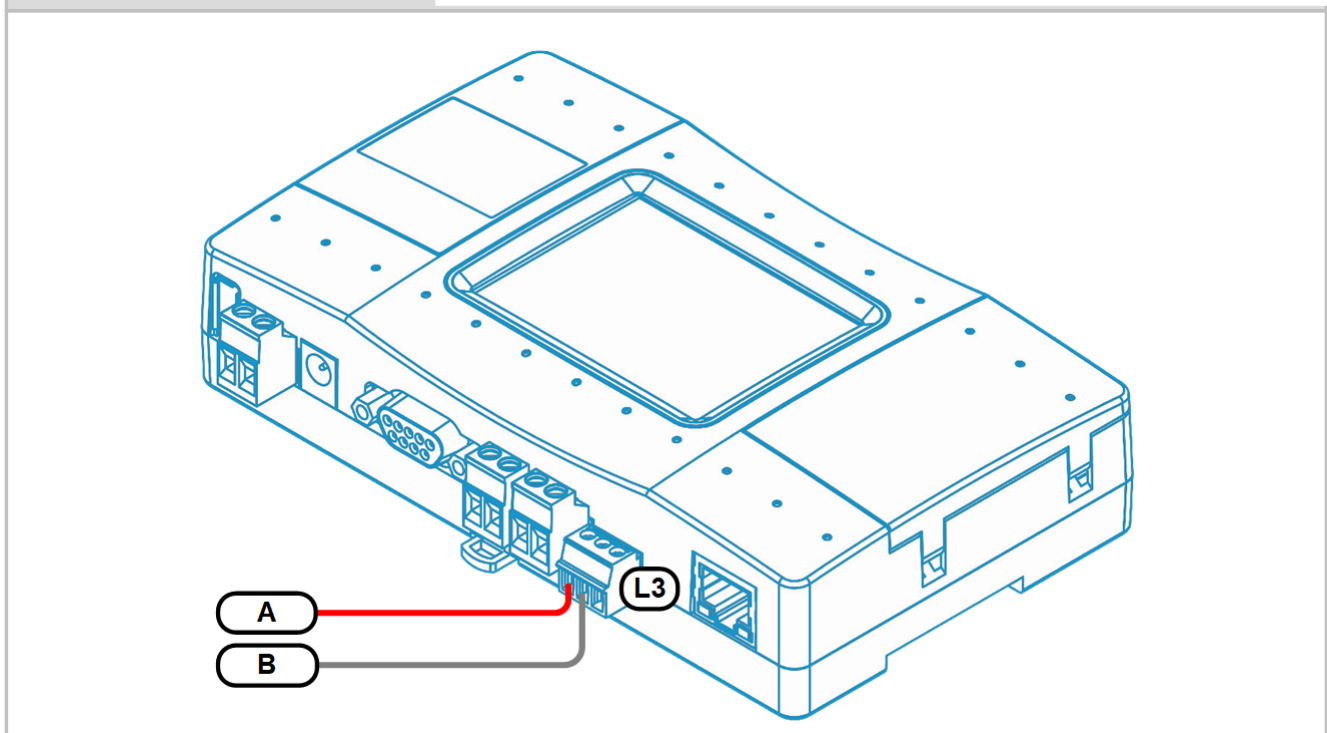
1 Connection

CoolAutomation devices support BACnet MS/TP and/or BACnet IP protocols with accordance to the ANSI/ASHRAE Standard 135-2004.

1.1 BACnet MS/TP Connection

In BACnet MS/TP mode physical connection to the CoolAutomation devices is implemented over “Two-Wire” electrical interface in accordance to EIA/TIA-485 standard. Connection is made via 485-A and 485-B terminals. Ground wire connection is not mandatory but highly recommended.

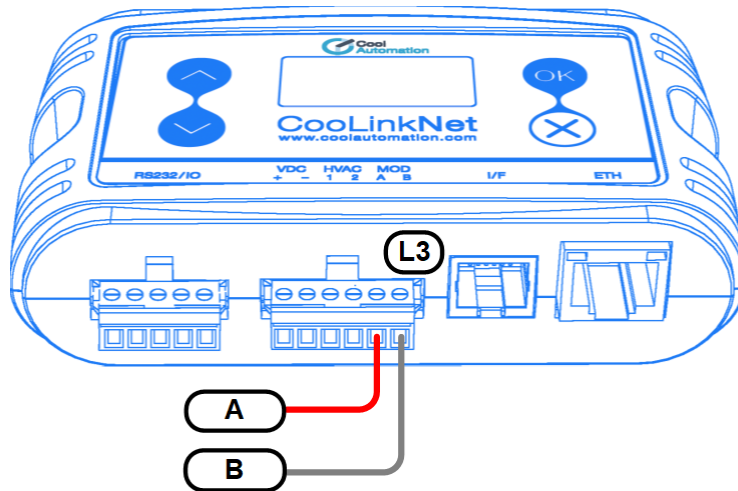
CoolMaster Product Line BACnet MS/TP Connection



In the CoolMaster Product Line, Line L3 is recommended for BACnet MS/TP connection, although Lines L4, L5, L6 and L7 can also be used for that purpose. Picture above shows connection to Line L3.



CooLinkNet/CooLinkHub/CooLinkBridge BACnet MS/TP Connection



In CooLinkNet/CooLinkHub/CooLinkBridge devices only Line L3 can be used for BACnet MS/TP connection.

1.2 BACnet IP Connection

BACnet IP is supported in CoolMaster Product Line and CooLinkNet/CooLinkHub/CooLinkBridge devices. Devices are communicating on the Ethernet TCP/IP network using UDP protocol. Physical connection in this case is made via RJ45 Ethernet connector.



2 Configuration

CoolAutomation device must be configured to support BACnet functionality. Configuration is made via CoolAutomation's proprietary ASCII_IF interface described in details in [Programmer Reference Manual \(PRM\)](#) document for the corresponding device.

One BACnet MS/TP and one BACnet IP connection can run simultaneously on CoolAutomation device. Additional MS/TP connections are not supported although physical interfaces may be available.

2.1 BACnet MS/TP Configuration

Line. In CoolMaster Product Line it is highly recommended to use Line L3, although it is possible to use any of the flowing lines: L4, L5, L6, L7 lines. Using line L3 in CoolLinkNet/CoolLinkHub/CoolLinkBridge for BACnet MS/TP is mandatory.

CoolMaster Product Line BACnet MS/TP activation:

```
>line type L3 BAC
OK, Boot Required!
```

CoolLinkNet/CoolLinkHub/CoolLinkBridge BACnet MS/TP activation:

```
>line type L3 BAC
OK, Boot Required!
```

Use **line** command to check if BACnet MS/TP module is already activated and to display it's parameters.

CoolMaster Product Line:

```
>line
L1: DK Master U00/G00 myid:0B
Tx:2/2 Rx:2/2 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L2: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L3: BACnet TS:0x40(64) DEV_INST:0x000040(64) 9600_8N1
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L4: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L5: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L6: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L7: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L8: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
OK
```

CoolLinkNet/CoolLinkHub/CoolLinkBridge:

```
>line
L1: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L2: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L3: BACnet TS:0x40(64) DEV_ID_INST:0x000040(64) 9600_8N1
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L4: M1M2 Slave U00/G00 Not Connected
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
L5: Unused
Tx:0/0 Rx:0/0 T0:0/0 CS:0/0 Col:0/0 NAK:0/0
OK
```

Next: VA's have to be configured to use BACnet MS/TP module. See: [VA's Configuration](#).



2.1.1 BACnet MS/TP MAC Address

On MS/TP networks, MAC address or TS (This Station) address is the eight bit address used to identify devices on a single RS-485 subnet. TS can be configured with **line myid** command (in this example TS will be set to 0x41 or 65 decimal):

```
>line myid L3 41
OK, Boot Required!
```

TS can be queried with **bacnet** or **line** command.

2.1.2 BACnet MS/TP Frame Format

The default BACnet MS/TP frame format in CoolAutomation devices is 9600_8N1:

Baud Rate	9600 bps
Data Bits	8
Parity	None
Stop Bits	1

Frame format parameters are configurable with **line baud** command:

```
>line baud L3 19200_8N2
OK, Boot Required!
```

In above example frame format will become 19200 bps, 8 data bits, no parity, 2 stop bits.

2.2 BACnet IP Configuration

BACnet IP module is activated with below command:

```
>bacnet IP enable
OK, Boot Required!
```

BACnet IP server is started by device only after it establishes an Ethernet link and gets proper IP address (dynamic via DHCP or static). Ethernet and IP management is done with **ifconfig** command that is out of the spec of this document.

To query BACnet IP status use **bacnet** command without parameters:

```
>bacnet
Dev instance : 64 (0x000040)
BACnet IP : enabled
UDP port : 47808 (0xBAC0)
BACnet MSTP : L3
TS address : 64 (0x40)
OK
```

The default UDP port number used by BACnet IP Server is 47808 (0xBAC0). This is "well-known" Ethernet port assigned for the BACnet IP protocol. If required port number can be changed (new port number in example below will be 503):

```
>bacnet port 503
OK, Boot Required!
```

Next: VA's have to be configured to use BACnet IP Server. See: [VA's Configuration](#).

2.3 VA's Configuration

VA's -Virtual Addresses are used by CoolAutomation devices in order to simplify translation of the Indoor Unit number - UID into Instance Number of the BACnet Object Identifier.

UID is a string in format **Ln.XYY**. For Example:

L1.102 - Indoor Unit 102 on line L1

L2.003 - Indoor Unit 003 on line L2

List of UID's detected (visible) by CoolAutomation device can be retrieved with **ls** command.



```
>ls
L1.100 ON 19C 30C High Fan OK # 0
L1.101 OFF 28C 23C High Cool OK - 0
```

Each UID can have none, one or a number of associated VA's. VA's are plain numbers starting from 1. Device can automatically allocate and associate VA's with existing (visible by **ls** command) UID's:

```
>va auto
OK
```

To query allocated VA's use **va** command without parameters:

```
>va
INDOORS
L1.100 --> 0001 [Hex: 0x0011 | Dec: 00017]
L1.101 --> 0002 [Hex: 0x0021 | Dec: 00033]
OK
```

In example above UID L1.100 has a VA=0001 and UID L1.101 has a VA=0002. Numbers is '[' ']' braces are not applicable for BACnet modules (they are used for Modbus modules).

VA's can be allocated or deallocated (deleted) all together or separately. As shown above for automatic VA's allocation **va auto** command is used. It is possible to allocate VA for specific UID. For example, allocate VA 0004 for UID L1.102:

```
>va + L1.102 0004
OK
```

In this case UID does not have to be detected (visible) by CoolAutomation device at the VA allocation time. It is allowed to allocate a number of VA's for any given UID.

To delete all allocated VA's:

```
>va delall
OK
```

Specific VA can also be deleted (below command will delete VA 0004):

```
>va - 0004
OK
```

Alternatively all VA's associated with specific UID can be deleted (below command will delete all VA's associated with UID L1.102):

```
>va - L1.102
OK
```

Once VA's are allocated BACnet MS/TP and/or BACnet IP can be used to access Indoor Unit parameters. Translation of the VA into Instance Number of the BACnet Object Identifier is made according to the scheme below:

Object Identifier bits																															
31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Type										Instance Number																					
										VA												Index									



3 BACnet Tables

Supported Object Types

Object Type	Abbreviation	Read/Write	Encoding
Binary Value	BV	R/W	5
Binary Input	BI	RO	3
Analog Value	AV	R/W	2
Analog Input	AI	RO	0
Multi State Value	MV	R/W	19
Character String Value	CSV	RO	40
Integer Value	IV	RO	45
Positive Integer Value	PIV	R/W	48

3.1 Indoor Unit Objects

Object Identifier bits						RW*	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
AI	00				R	Room Temperature	
AI	01				R	Reserved	
AV	00				RW	For Samsung Hydrobox: Water Out Temperature	
BI	00				R	Set Temperature	
						HVAC Failure Indication.	
						Present Value = 0 - No Failure	
BI	01				R	Present Value = 1 - Failure. "Active Text" property contains failure code	
BI	02				R	Property "Description" contains "OK" or failure code	
BI	03				R	Demand State (Therm ON)	
BV	00				RW	External Terminals Status (Daikin:T1T2, Samsung:MIM-B14)	
BV	01				RW	Reserved	
BV	02				RW	For Daikin IDU: Fan rotation status	
BV	03				RW	ON/OFF	
BV	04				RW	Filter Sign	
BV	05				RW	Lock ON/OFF change from WRC	
BV	06				RW	Lock Operation Mode change from WRC	
BV	07				RW	Lock Set Temperature change from WRC	
BV	08				RW	Global Lock	
BV	09				RW	Forced Therm OFF	
BV	00				RW	Prohibit external ON/OFF change	
BV	01				RW	Prohibit external Operation Mode change	
BV	02				RW	Prohibit external Set Temperature change	
MV	00				RW	Fan Speed: 1 - Low 2 - Medium 3 - High 4 - Auto 5 - Top 6 - Very Low 7 - Super High 8 - HRV Super High 9 - HRV Low FreshUp 10 - HRV High FreshUP	
MV	01				RW	Operation Mode: 1 - Cool 2 - Heat 3 - Auto 4 - Dry 5 - HAUX 6 - Fan 7 - Heat+HAUX 9 - HRV Auto 10 - HRV Bypass 11 - HRV Heat Exchange 12 - HRV Normal	
MV	02				RW	Louver: 1 - Vertical 5 - Horizontal 2 - 30 deg 3 - 45 deg 4 - 60 deg 6 - Auto (Swing) 7 - Off 8 - No Louver Control	
MV	03				RW	(CoolMaster Product Line Version 0.8.0 or higher)	
PIV	00				RW	Set Temperature low limit	
PIV	01				RW	Set Temperature high limit	
CSV	00				R	HVAC Failure String. "OK" - no failure, otherwise failure code	

**Notes:**

1. "Object Name" property for some objects may contain the "(NA)" ending. For example: "lock (NA)". This is made to notify that this specific object is not implemented for the given Indoor Unit.
2. Functionality of Lock BV objects is implemented inside the Indoor Unit (and may not be supported), while Prohibit BV objects are fully implemented inside the CoolAutomation Device.
3. RW column denotes BACnet operation(s) supported by given object: R - read present value property, W - write present value property.

Indoor Unit Failure status

Information about Indoor Unit Failure status can be retrieved via "HVAC Failure Indication" BI object or "HVAC Failure String" CSV (Character String Value) object.

- In case of "HVAC Failure Indication" BI object, its present value indicates the status: 0 - no failure, 1 - failure. The failure code in this case can be read from the "Active Text" or "Description" property of the object.
 - In case of "HVAC Failure String" CSV object, failure code string can be read as present value of the object.
- In both cases no failure is reported as "OK" string.

3.2 PRO Functionality

3.2.1 DK (Daikin)

3.2.1.1 DK PRO Indoor Units

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Indoor type string		
PIV			01	AirNet	AirNet Address		
AI			02	SuctT	Suction Temperature [°C]		
AI			03	LiqPipT	Liquid Pipe Temperature [°C]		
AI			04	GasPipT	Gas Pipe Temperature [°C]		
PIV			05	EVOp	EV Opening		
BI			06	TstatOn	Thermostat On		

3.2.1.2 DK PRO Outdoor Systems

- **G-up (G[YA/UA/YT/HA/MA/HT/LA/NA]P224-710M)**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysCap	System capacity [KW]		
CSV			03	ErrCode	Error code		
BI			04	Cool	Cooling		
BI			05	Heat	Heating		
BI			06	Vent	Ventilation		
BI			07	TstatOn	Thermostat ON		

- **VRV4S1, VRV4S2, VRV3DENV(RXYRQ8-18P7W1B), VRV-3S, VRV4S-US(RXTQ), VRV-3P**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV					00	Type	Outdoor System Type Name
PIV					01	AirNet	AirNet Addr.



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	BkpOp	Backup ope.		
PIV			13	DmndState	Demand state		
PIV			14	ErrSbCode	Error subcode		

- VRV4S3, VRVX, Skyair(RXTP224-335D), VRV4-EU, VRV-5QH (RQSP224-775D), Ve-up4Q(RQYP140-1180C,RQUP224-690C), VRV4Q-EU (RXYQQ8-20T7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	Dfrst	Defrost		
BI			13	StrtupCtl	Startup control		
BI			14	BkpOp	Backup ope.		
BI			15	OiRtrn	Oil return		
PIV			16	DmndState	Demand state		
PIV			17	OpCtlMod	Operation control mode		
AI			18	TstatOnCap	I/U thermostat ON capacity		
PIV			19	ErrSbCode	Error subcode		

- VRV6HP(RXYQ8-60BYM), Skyair2(RXTP112-160F), VRV6-A/X(F) (RXYP224-1500F), VRV6-Q/QX(F) (RQYP224-1180F)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI				09	Vent	Ventilation	
BI				10	TstatOn	Thermostat ON	
BI				11	ResrtStby	Restart stand-by	
BI				12	Dfrst	Defrost	
BI				13	StrtupCtl	Startup control	
BI				14	BkpOp	Backup ope.	
BI				15	OiRtrn	Oil return	
PIV				16	DmndState	Demand state	
PIV				17	OpCtlMod	Operation control mode	
AI				18	TstatOnCap	I/U thermostat ON capacity	
PIV				19	ErrSbCode	Error subcode	

- VRV6HP-EU (RXYA-A7Y1B), VRV6-R/RX(F) (REYP*F,REUP*F), VRV6R (REYQ-BYM,AAYDA,AATJA), VRV6R-EU (REYA-A7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	Dfrst	Defrost		
BI			13	StrtupCtl	Startup control		
BI			14	BkpOp	Backup ope.		
BI			15	CoolHeatPrll	Cool/Heat parallel ope.		
BI			16	OiRtrn	Oil return		
PIV			17	DmndState	Demand state		
PIV			18	OpCtlMod	Operation control mode		
AI			19	TstatOnCap	I/U thermostat ON capacity		
PIV			20	ErrSbCode	Error subcode		

- VRV5-cold(RXYLQ-T,RTSXYQ-BA), VRV4-us(RELQ,RXLQ), VRV-5R(REYQ**TAY1), VRV-4R, VRV5-A/X (RXYP140-1500D), VRV5C-DIT(RXQ12AYM), VRV5-Q/QX (RQYP140-1180D)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor System Type Name
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current [A]
AI					04	TrgtEvT	Target Evaporation T [°C]
PIV					05	TrgtCndT	Target Condensing T [°C]
CSV					06	ErrCode	Error code
BI					07	Cool	Cooling
BI					08	Heat	Heating
BI					09	Vent	Ventilation



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI			10		TstatOn	Thermostat ON	
BI			11		ResrtStby	Restart stand-by	
BI			12		Dfrst	Defrost	
BI			13		StrtupCtl	Startup control	
BI			14		BkpOp	Backup ope.	
BI			15		CoolHeatPrll	Cool/Heat parallel ope.	
BI			16		OiRtrn	Oil return	
PIV			17		DmndState	Demand state	
PIV			18		OpCtlMod	Operation control mode	
AI			19		TstatOnCap	I/U thermostat ON capacity	
PIV			20		ErrSbCode	Error subcode	

• MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	Dfrst	Defrost		
BI			13	StrtupCtl	Startup control		
BI			14	BkpOp	Backup ope.		
BI			15	CoolHeatPrll	Cool/Heat parallel ope.		
BI			16	OiRtrn	Oil return		
PIV			17	DmndState	Demand state		
PIV			18	OpCtlMod	Operation control mode		
AI			19	TstatOnCap	I/U thermostat ON capacity		
AI			20	PwrCons	Outdoor unit power consumption [kW]		
AI			21	CoolCap	Outdoor unit cooling capacity [kW]		
AI			22	HeatCap	Outdoor unit heating capacity [kW]		
PIV			23	ErrSbCode	Error subcode		

• RXTA-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	TrgtEvT	Target Evaporation T [°C]		
PIV			04	TrgtCndT	Target Condensing T [°C]		
CSV			05	ErrCode	Error code		
BI			06	Cool	Cooling		
BI			07	Heat	Heating		
BI			08	Vent	Ventilation		
BI			09	TstatOn	Thermostat ON		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	10					ResrtStby	Restart stand-by
PIV	11					ErrSbCode	Error subcode

- mini-VRV, VRV-M, VRV-2MA

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor System Type Name
PIV	01					AirNet	AirNet Addr.
PIV	02					SysHP	System HP [hp]
AI	03					SysCur	System Current [A]
AI	04					TrgtEvT	Target Evaporation T [°C]
PIV	05					TrgtCndT	Target Condensing T [°C]
CSV	06					ErrCode	Error code
BI	07					Cool	Cooling
BI	08					Heat	Heating
BI	09					Vent	Ventilation
BI	10					TstatOn	Thermostat ON
BI	11					ResrtStby	Restart stand-by
BI	12					BkpOp	Backup ope.
PIV	13					DmndState	Demand state

- VRV-K(RSEYP8-10KJ)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor System Type Name
PIV	01					AirNet	AirNet Addr.
CSV	02					ErrCode	Error code
IV	03					AmbT	Ambient temperature [°C]
IV	04					HexT1	Heat exchanger temp. 1 [°C]
IV	05					HexT2	Heat exchanger temp. 2 [°C]
PIV	06					DschTInv	Disch. temp.(INV) [°C]
PIV	07					DschTStd	Disch. temp.(STD) [°C]
IV	08					SuctPipT1	Suction pipe temp. 1 [°C]
IV	09					SuctPipT2	Suction pipe temp. 2 [°C]
IV	10					OiT	Oil temp. [°C]
AI	11					EvT	Evaporating Temperature [°C]
AI	12					CndT	Condensing Temperature [°C]
PIV	13					InvFrq	Inverter frequency [Hz]
PIV	14					InvCur	Inverter current [A]
PIV	15					InvT	Inverter temp. [°C]
PIV	16					EVOp1	EV opening 1 [pls]
PIV	17					EVOp2	EV opening 2 [pls]
BI	18					Cool	Cooling
BI	19					Heat	Heating
BI	20					Vent	Ventilation
BI	21					CoolHeatPrll	Cool/Heat parallel ope.
BI	22					TstatOn	Thermostat ON
BI	23					ResrtStby	Restart stand-by
BI	24					Dfrst	Defrost
BI	25					SoftStrt	Soft start
BI	26					OiRtrn	Oil return
BI	27					OiEqOp	Oil equalizing ope.
BI	28					Comp1Inv	Compressor1(INV)



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	29					Comp2Std	Compressor2(STD)
BI	30					BypEq	Bypass for equalizer
BI	31					HotGasByp	Hot gas bypass
BI	32					Injct1	Injection 1
BI	33					Injct2	Injection 2
BI	34					DschGas	Disch. gas
BI	35					LiqP	Liquid pres.
BI	36					4WayVlv1	4 way valve 1
BI	37					4WayVlv2	4-way valve 2
BI	38					HiPRtry	High pressure retry
BI	39					LoPRtry	Low pressure retry
BI	40					DschPipRtry	Disch. pipe retry
BI	41					InvStby	INV stand-by
BI	42					HiPDroCtl	High pres. drooping cntl.
BI	43					LoPDroCtl	Low pres. drooping cntl.
BI	44					DschDroCtl	Disch. pipe drooping cntl.
BI	45					InvCurDroCtl	INV current drooping cntl.
BI	46					Fan1H	FAN-1H
BI	47					Fan1L	FAN-1L
BI	48					Fan2	FAN-2

• VRV_PLUS(RSEYP16-30KJY1)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor System Type Name	
PIV	01				AirNet	AirNet Addr.	
CSV	02				ErrCode	Error code	
IV	03				AmbT	Ambient temperature [°C]	
PIV	04				DschTInv	Disch. temp.(INV) [°C]	
PIV	05				DschTStd1	Disch. temp.(STD1) [°C]	
PIV	06				DschTStd2	Disch. temp.(STD2) [°C]	
IV	07				SuctT	Suction Temperature [°C]	
IV	08				EvT	Evaporating Temperature [°C]	
IV	09				CndT	Condensing Temperature [°C]	
PIV	10				InvFrg	Inverter frequency [Hz]	
PIV	11				InvCur	Inverter current [A]	
PIV	12				InvT	Inverter temp. [°C]	
PIV	13				EVOp1	EV opening 1 [pls]	
PIV	14				EVOp2	EV opening 2 [pls]	
BI	15				Cool	Cooling	
BI	16				Heat	Heating	
BI	17				Vent	Ventilation	
BI	18				CoolHeatPrll	Cool/Heat parallel ope.	
BI	19				TstatOn	Thermostat ON	
BI	20				ResrtStby	Restart stand-by	
BI	21				Dfrst	Defrost	
BI	22				SoftStrt	Soft start	
BI	23				OiRtrn	Oil return	
BI	24				OiEqOp	Oil equalizing ope.	
BI	25				CcH	Crankcase Heater	
BI	26				AuxCond	Aux Condensers	
BI	27				Rcvr	Receivers	
BI	28				Comp1Inv	Compressor1(INV)	
BI	29				Comp2Std1	Compressor2(STD1)	
BI	30				Comp3Std2	Compressor3(STD2)	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			31		HotGasByp	Hot gas bypass	
BI			32		InjctInv	Injection(INV)	
BI			33		InjctStd1	Injection(STD1)	
BI			34		InjctStd2	Injection(STD2)	
BI			35		LiqP	Liquid pres.	
BI			36		4WayVlv1	4 way valve 1	
BI			37		4WayVlv2	4-way valve 2	
BI			38		4WayVlv3	4-way valve 3	
BI			39		HiPRtry	High pressure retry	
BI			40		LoPRtry	Low pressure retry	
BI			41		DschPipRtry	Disch. pipe retry	
BI			42		InvStby	INV stand-by	
BI			43		HiPDroCtl	High pres. drooping cntl.	
BI			44		LoPDroCtl	Low pres. drooping cntl.	
BI			45		DschDroCtl	Disch. pipe drooping cntl.	
BI			46		InvCurDroCtl	INV current drooping cntl.	
BI			47		Fan11L	FAN-11L	
BI			48		Fan11H	FAN-11H	
BI			49		Fan12	FAN-12	
BI			50		Fan21	FAN-21	
BI			51		Fan22	FAN-22	
BI			52		Fan3	FAN-3	
BI			53		Fan4	FAN-4	
BI			54		HtOvld1	Heating overload 1	
BI			55		HtOvld2	Heating overload 2	
BI			56		HtOvld3	Heating overload 3	
BI			57		HtOvld4	Heating overload 4	
BI			58		CLwAmbT1	Cooling low ambient temp 1	
BI			59		CLwAmbT2	Cooling low ambient temp 2	
BI			60		CLwAmbT3	Cooling low ambient temp 3	
BI			61		CLwAmbT4	Cooling low ambient temp 4	
IV			62		Cil1T	Coil 1 temp [°C]	
IV			63		Cil2T	Coil 2 temp [°C]	
IV			64		Cil3T	Coil 3 temp [°C]	
IV			65		Hdr1T	Header 1 temp [°C]	
IV			66		Hdr2T	Header 2 temp [°C]	
IV			67		Hdr3T	Header 3 temp [°C]	
IV			68		LiqT	Liquid temp [°C]	
PIV			69		HP	HP [hp]	

- VRV-M(REYQ8-48M), VRV-3R, VRV3C, VRV-3W-WATER(RWEYQ8-30P), VRV3C2-WATER(RWEYP***PCTJ), VRV-3Wx-WATER(RWEYQ8-30P), VRV-4W-WATER(RWEYQ8-10T7Y1B), ALT-MG(EMRQ8-16AAY1)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	10				TstatOn	Thermostat ON	
BI	11				ResrtStby	Restart stand-by	
BI	12				BkpOp	Backup ope.	
BI	13				CoolHeatPrll	Cool/Heat parallel ope.	
PIV	14				DmndState	Demand state	

• **EXL: RSLYJ355-560(KA_KC)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor System Type Name	
PIV	01				AirNet	AirNet Addr.	
CSV	02				ErrCode	Error code	
IV	03				AmbT	Ambient temperature [°C]	
IV	04				HexT1	Heat exchanger temp. 1 [°C]	
IV	05				HexT2	Heat exchanger temp. 2 [°C]	
PIV	06				DschTInv	Disch. temp.(INV) [°C]	
PIV	07				DschTStd1	Disch. temp.(STD1) [°C]	
PIV	08				DschTStd2	Disch. temp.(STD2) [°C]	
IV	09				SuctPipT1	Suction pipe temp. 1 [°C]	
IV	10				SuctPipT2	Suction pipe temp. 2 [°C]	
AI	11				EvT	Evaporating Temperature [°C]	
AI	12				CndT	Condensing Temperature [°C]	
PIV	13				InvFrq	Inverter frequency [Hz]	
PIV	14				InvCur	Inverter current [A]	
PIV	15				InvT	Inverter temp. [°C]	
PIV	16				EVOp1	EV opening 1 [pls]	
PIV	17				EVOp2	EV opening 2 [pls]	
BI	18				Cool	Cooling	
BI	19				Heat	Heating	
BI	20				Vent	Ventilation	
BI	21				TstatOn	Thermostat ON	
BI	22				ResrtStby	Restart stand-by	
BI	23				Dfrst	Defrost	
BI	24				SoftStrt	Soft start	
BI	25				OiRtrn	Oil return	
BI	26				OiEqOp	Oil equalizing ope.	
BI	27				AuxCond	Aux Condensers	
BI	28				Comp2Std1	Compressor2(STD1)	
BI	29				Comp3Std2	Compressor3(STD2)	
BI	30				HotGasByp	Hot gas bypass	
BI	31				InjctInv	Injection(INV)	
BI	32				InjctStd1	Injection(STD1)	
BI	33				InjctStd2	Injection(STD2)	
BI	34				4WayVlv	4-way valve	
BI	35				Unld1	Unloader 1	
BI	36				Unld2	Unloader 2	
BI	37				HiPRtry	High pressure retry	
BI	38				LoPRtry	Low pressure retry	
BI	39				DschPipRtry	Disch. pipe retry	
BI	40				InvStby	INV stand-by	
BI	41				HiPDroCtl	High pres. drooping cntl.	
BI	42				LoPDroCtl	Low pres. drooping cntl.	
BI	43				DschDroCtl	Disch. pipe drooping cntl.	
BI	44				InvCurDroCtl	INV current drooping cntl.	
BI	45				Fan1H	FAN-1H	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			46			Fan1L	FAN-1L
BI			47			Fan2	FAN-2
BI			48			Fan3	FAN-3
BI			49			Fan4	FAN-4
BI			50			HtOvld1	Heating overload 1
BI			51			HtOvld2	Heating overload 2
BI			52			HtOvld3	Heating overload 3
BI			53			HtOvld4	Heating overload 4
BI			54			CILwAmbT1	Cooling low ambient temp 1
BI			55			CILwAmbT2	Cooling low ambient temp 2
BI			56			CILwAmbT3	Cooling low ambient temp 3
BI			57			CILwAmbT4	Cooling low ambient temp 4

• VRV-L:RSXYP5-10L(JY1_Y1_YL)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor System Type Name	
PIV				01	AirNet	AirNet Addr.	
CSV				02	ErrCode	Error code	
IV				03	AmbT	Ambient temperature [°C]	
IV				04	HexT	Heat exchanger temp. [°C]	
PIV				05	DschTInv	Disch. temp.(INV) [°C]	
PIV				06	DschTStd	Disch. temp.(STD) [°C]	
IV				07	SuctT	Suction Temperature [°C]	
IV				08	EvT	Evaporating Temperature [°C]	
IV				09	CndT	Condensing Temperature [°C]	
PIV				10	InvFrq	Inverter frequency [Hz]	
PIV				11	InvCur	Inverter current [A]	
PIV				12	InvT	Inverter temp. [°C]	
PIV				13	EVOp	EV opening [pls]	
BI				14	Cool	Cooling	
BI				15	Heat	Heating	
BI				16	Vent	Ventilation	
BI				17	TstatOn	Thermostat ON	
BI				18	ResrtStby	Restart stand-by	
BI				19	Dfrst	Defrost	
BI				20	StrtOp	Startup operation	
BI				21	OiRtrn	Oil return	
BI				22	OiEqOp	Oil equalizing ope.	
BI				23	CcH1	CH1:Crankcase Heater	
BI				24	CcH2	CH2:Crankcase Heater	
BI				25	Rcvr	Receivers	
BI				26	Comp1Inv	Compressor1(INV)	
BI				27	Comp2Std	Compressor2(STD)	
BI				28	HotGasByp	Hot gas bypass	
BI				29	4WayVlv	4-way valve	
BI				30	HiPRtry	High pressure retry	
BI				31	LoPRtry	Low pressure retry	
BI				32	DschPipRtry	Disch. pipe retry	
BI				33	InvStby	INV stand-by	
BI				34	HiPDroCtl	High pres. drooping cntl.	
BI				35	LoPDroCtl	Low pres. drooping cntl.	
BI				36	DschDroCtl	Disch. pipe drooping cntl.	
BI				37	InvCurDroCtl	INV current drooping cntl.	
BI				38	ProtHt1	Protect (Heating) 1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI					39	ProtHt2	Protect (Heating) 2
BI					40	ProtHt3	Protect (Heating) 3
BI					41	ProtCl1	Protect (Cooling) 1
BI					42	ProtCl2	Protect (Cooling) 2
BI					43	ProtCl3	Protect (Cooling) 3
PIV					44	HP	HP [hp]
IV					45	RcvrT	Receiver temp [°C]
PIV					46	FanStp	Fan step

• **VRV6(FC) (RXYP224-1500FC,REUP280-1360FC)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	Dfrst	Defrost		
BI			13	StrtupCtl	Startup control		
BI			14	BkpOp	Backup ope.		
BI			15	CoolHeatPrll	Cool/Heat parallel ope.		
BI			16	OiRtrn	Oil return		
PIV			17	DmndState	Demand state		
PIV			18	OpCtlMod	Operation control mode		
AI			19	TstatOnCap	I/U thermostat ON capacity		
PIV			20	ErrSbCode	Error subcode		
PIV			21	D3netCommRtrFreq	D3NET comm retry frequency [times]		

• **Ve-up3b (RXUP280-1000B), VRV-3B, Ve-upQb (RQYP224-1180B,RXUP224-690B)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	Dfrst	Defrost		
BI			13	StrtupCtl	Startup control		
BI			14	BkpOp	Backup ope.		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			15	OiRtrn	Oil return		
PIV			16	DmndState	Demand state		
PIV			17	OpCtlMod	Operation control mode		
AI			18	TstatOnCap	I/U thermostat ON capacity		
AI			19	PwrCons	Outdoor unit power consumption [kW]		
AI			20	CoolCap	Outdoor unit cooling capacity [kW]		
AI			21	HeatCap	Outdoor unit heating capacity [kW]		
PIV			22	ErrSbCode	Error subcode		

• VRV-2-WATER(RWEYQ10-30MY1)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor System Type Name
PIV				01		AirNet	AirNet Addr.
PIV				02		SysHP	System HP [hp]
AI				03		SysCur	System Current [A]
AI				04		TrgtEvT	Target Evaporation T [°C]
PIV				05		TrgtCndT	Target Condensing T [°C]
CSV				06		ErrCode	Error code
BI				07		Cool	Cooling
BI				08		Heat	Heating
BI				09		Vent	Ventilation
BI				10		TstatOn	Thermostat ON
BI				11		ResrtStby	Restart stand-by
BI				12		BkpOp	Backup ope.
PIV				13		DmndState	Demand state
PIV				14		OpCtlMod	Operation control mode

• VRV-4W3-WATER(RWEYQ8-14T9Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
PIV			02	SysHP	System HP [hp]		
AI			03	SysCur	System Current [A]		
AI			04	TrgtEvT	Target Evaporation T [°C]		
PIV			05	TrgtCndT	Target Condensing T [°C]		
CSV			06	ErrCode	Error code		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	BkpOp	Backup ope.		
BI			13	CoolHeatPrll	Cool/Heat parallel ope.		
PIV			14	DmndState	Demand state		
PIV			15	OpCtlMod	Operation control mode		
AI			16	TstatOnCap	I/U thermostat ON capacity		
PIV			17	ErrSbCode	Error subcode		

• Ve-up3Q(RQYP140-900A)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor System Type Name		
PIV			01	AirNet	AirNet Addr.		
CSV			02	ErrCode	Error code		
AI			03	TrgtEvT	Target Evaporation T [°C]		
PIV			04	TrgtCndT	Target Condensing T [°C]		
AI			05	SysCur	System Current [A]		
PIV			06	SysHP	System HP [hp]		
BI			07	Cool	Cooling		
BI			08	Heat	Heating		
BI			09	Vent	Ventilation		
BI			10	TstatOn	Thermostat ON		
BI			11	ResrtStby	Restart stand-by		
BI			12	BkpOp	Backup ope.		
BI			13	Byp1	Bypass 1		
BI			14	InltMixUn1	Inlet mixing unit 1		
BI			15	RsvrLiqLvl1	Receiver liquid level 1		
BI			16	OiRegOutlt1	Oil regulator outlet 1		
BI			17	MnEVByp1	Main EV bypass 1		
BI			18	RfrgGasPrq1	Refrigerant regulator gas purge 1		
BI			19	RfrgLiqInj1	Refrigerant regulator liquid injection 1		
BI			20	RfrgGasInj1	Refrigerant regulator gas injection 1		
BI			21	RfrgLiqPrq1	Refrigerant regulator liquid purge 1		
BI			22	Byp2	Bypass 2		
BI			23	InltMixUn2	Inlet mixing unit 2		
BI			24	RsvrLiqLvl2	Receiver liquid level 2		
BI			25	OiRegOutlt2	Oil regulator outlet 2		
BI			26	MnEVByp2	Main EV bypass 2		
BI			27	RfrgGasPrq2	Refrigerant regulator gas purge 2		
BI			28	RfrgLiqInj2	Refrigerant regulator liquid injection 2		
BI			29	RfrgGasInj2	Refrigerant regulator gas injection 2		
BI			30	RfrgLiqPrq2	Refrigerant regulator liquid purge 2		
PIV			31	DmndState	Demand state		
PIV			32	ErrSbCode	Error subcode		

3.2.1.3 DK PRO Outdoor Units

- G-up (G[YA/UA/YT/HA/MA/HT/LA/NA]P224-710M)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
IV			00	AmbT	Ambient temperature [°C]		
PIV			01	DschT1	Discharge temperature 1 [°C]		
PIV			02	DschT2	Discharge temperature 2 [°C]		
PIV			03	DschT3	Discharge temperature 3 [°C]		
PIV			04	DschT4	Discharge temperature 4 [°C]		
IV			05	SuctT1	Suction temperature 1 [°C]		
IV			06	SuctT2	Suction temperature 2 [°C]		
IV			07	LiqT	Liquid pipe temperature [°C]		
IV			08	HexLiqT	Heat exchanger liquid pipe temp. [°C]		
IV			09	ScHexOutltT	Subcooling heat exchanger outlet temperature [°C]		
IV			10	EvT	Evaporating Temperature [°C]		
IV			11	CndT	Condensing Temperature [°C]		
AI			12	HiP	High pressure [MPa]		
AI			13	LoP	Low pressure [MPa]		
PIV			14	OpTm	Operating time [Hours]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	15						OpTmPrevInsp
PIV	16				Cap	Outdoor unit capacity [KW]	
BI	17				OpPrhbt	Operation prohibit	
BI	18				SlntMd	Silent mode	
BI	19				CompPrtCtl	Compressor protection control	
BI	20				Dfrst	Defrost	
BI	21				TCtl	Temperature control in progress	
BI	22				PwrGenFunc	Power generation function	
BI	23				RplcmUn	Replacement unit	
BI	24				FCldClmtSpec	F cold-climate specification	

• G-up (G[YA/UA/YT/HA/MA/HT/LA/NA]P224-710M)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
VA	Index						
PIV	00				MainHexLiqOp	Main heat exchanger liquid valve opening [step]	
PIV	01				SubHexLiqOp	Sub heat exchanger liquid valve opening [step]	
PIV	02				ScCtlOp	Subcooling control valve opening [step]	
PIV	03				CompCapCtlOp	Compressor capacity control valve opening [step]	
PIV	04				LiqCtlOp1	Liquid flow control 1 valve opening [step]	
PIV	05				LiqCtlOp2	Liquid flow control 2 valve opening [step]	
PIV	06				HexFanArflw1	Outdoor heat exchanger fan 1 set airflow	
PIV	07				HexFanArflw2	Outdoor heat exchanger fan 2 set airflow	
PIV	08				HexFanArflw3	Outdoor heat exchanger fan 3 set airflow	
PIV	09				IndcGenPwr	Indicated generator output power [W]	
PIV	10				ActlGenPwr	Actual generator output power [W]	
PIV	11				ActlEngnRot	Actual engine rotation [rpm]	
PIV	12				IndcEngnRot	Indicated engine rotation [rpm]	
PIV	13				TotlIndcRot	Total indicated nominal rotation [rpm]	
PIV	14				IndcRot	Indicated nominal rotation [rpm]	
PIV	15				ActlRot	Actual nominal rotation [rpm]	
IV	16				EngnCIntT	Engine coolant temperature [°C]	
IV	17				EngnCmpT	Engine compartment temperature [°C]	
PIV	18				EngnExhT	Engine exhaust temperature [°C]	
BI	19				Comp1	Compressor 1	
BI	20				Comp2	Compressor 2	
BI	21				Comp3	Compressor 3	
BI	22				Comp4	Compressor 4	
BI	23				2WayVlv1	Two-way valve 1	
BI	24				2WayVlv2	Two-way valve 2	
BI	25				4WayVlv1	4 way valve 1	
BI	26				4WayVlv2	4-way valve 2	
BI	27				RfrqVlv	Refrigerant solenoid valve	
BI	28				NotGasByp1	Hot gas bypass 1	
BI	29				NotGasByp2	Hot gas bypass 2	
BI	30				NotGasByp3	Hot gas bypass 3	
BI	31				OiByp1	Oil bypass Valve 1	
BI	32				OiByp2	Oil bypass Valve 2	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
VA		Index				
BI				33	OiByp3	Oil bypass Valve 3
BI				34	OiByp4	Oil bypass Valve 4
BI				35	GasVlv1	Gas valve 1
BI				36	GasVlv2	Gas valve 2
BI				37	Strt	Starter
BI				38	StrtXfrm	Starter transformer
BI				39	XfrmH	Transformer H
BI				40	XfrmL	Transformer L
BI				41	OiRtn1	Oil return 1
BI				42	OiRtn2	Oil return 2
BI				43	OiRtn3	Oil return 3
BI				44	DrnHtr	Drain heater
BI				45	CIWtrHtr	Cooling water heater
BI				46	CompHtr	Compressor heater
BI				47	HiPAvd	High pressure avoidance
BI				48	LoPAvd	Low pressure avoidance
BI				49	DschTAvd	Discharge temperature avoidance
BI				50	SuctTAvd	Suction temperature avoidance
BI				51	HiPEmrgAvd	High pressure emergency avoidance
BI				52	FrzAvd	Freeze avoidance
BI				53	EngnClnTAvd	Engine coolant temperature avoidance

• **VRV4S1, VRV4S2, VRV3DENV(RXYRQ8-18P7W1B), VRV-3S, VRV4S-US(RXTQ), VRV-3P**

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
VA		Index				
PIV				00	AirNet	AirNet Addr.
PIV				01	HP	HP [hp]
IV				02	AmbT	Ambient temperature [°C]
IV				03	SuctT	Suction Temperature [°C]
IV				04	EvT	Evaporating Temperature [°C]
IV				05	CndT	Condensing Temperature [°C]
PIV				06	InvRS	Inverter Revolution Speed [rps]
PIV				07	EVOp1	EV opening 1 [pls]
PIV				08	EVOp2	EV opening 2 [pls]
PIV				09	CTSTD1	CT1 (STD1) [A]
PIV				10	CTSTD2	CT2 (STD2) [A]
PIV				11	FanStp	Fan step
IV				12	CoilT	R4T :Coil temp. [°C]
IV				13	ScCilExtT	Subcooling Coil exit Temp. [°C]
PIV				14	DschTInv	Disch. temp.(INV) [°C]
PIV				15	DschTStd1	Disch. temp.(STD1) [°C]
PIV				16	DschTStd2	Disch. temp.(STD2) [°C]
IV				17	AccEntrT	Accumulator Entrance Temp. [°C]
IV				18	RcvrLiqT	Receiver Liquid Temp. [°C]
PIV				19	InvT	Inverter temp. [°C]
PIV				20	InvCur	Inverter current [A]
PIV				21	InvFanCur	INV FAN current [A]
BI				22	Comp1Inv	Compressor1(INV)
BI				23	Comp2Std1	Compressor2(STD1)
BI				24	Comp3Std2	Compressor3(STD2)
BI				25	OiRtn	Oil return
BI				26	HotGas	Hot Gas
BI				27	CcH1	CH1:Crankcase Heater
BI				28	CcH2	CH2:Crankcase Heater
BI				29	CcH3	CH3:Crankcase Heater



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			30	SoftStrt	Soft start		
BI			31	ResrtStby	Restart stand-by		
BI			32	MulOi	Multi oil		
BI			33	ErrState	Unit Error stat		
BI			34	EnrgyCutOutp	Energy cut output		
BI			35	HiPRtry	High pressure retry		
BI			36	LoPRtry	Low pressure retry		
BI			37	DschPipRtry	Disch. pipe retry		
BI			38	4WayVlv	4-way valve		
BI			39	Injct	Injection		
BI			40	Dfrst	Defrost		
BI			41	HiPStpDnCtl	H.P. stepping down cntl		
BI			42	LoPStpDnCtl	L.P. stepping down cntl		
BI			43	DmndStpDnCtl	Demand stepping down cntl		
BI			44	InvRtry	INV retry		
BI			45	InvDschStpDnCtl	INV Disch. stepping down cntl		
BI			46	InvOCStpDnCtl	INV OC stepping down cntl		
BI			47	InvFinStpDnCtl	INV Fin stepping down cntl		
BI			48	Std1DschStpDnCtl	STD1 Disch. stepping down cntl		
BI			49	Std1OCStpDnCtl	STD1 OC stepping down cntl		
BI			50	Std2DschStpDnCtl	STD2 Disch. stepping down cntl		
BI			51	Std2OCStpDnCtl	STD2 OC stepping down cntl		

• **VRV4S3, VRVX, Skyair(RXTP224-335D), VRV4-EU, VRV4Q-EU (RXYQQ8-20T7Y1B)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	Fan1RotAmnt	Fan 1 rotation amount [rpm]		
PIV			05	Fan2RotAmnt	Fan 2 rotation amount [rpm]		
PIV			06	FanStp	Fan step		
PIV			07	EVOp1	EV opening 1 [pls]		
PIV			08	EVOp2	EV opening 2 [pls]		
PIV			09	EVOp3	EV opening 3 [pls]		
BI			10	CompInv1	Compressor 1(INV1)		
BI			11	CompInv2	Compressor 2(INV2)		
BI			12	CcH1	CH1:Crankcase Heater		
BI			13	CcH2	CH2:Crankcase Heater		
BI			14	4WayVlv	4-way valve		
BI			15	OiRtrn1	Oil return 1		
BI			16	AccOiRtrn	Accumulator oil return		
BI			17	OiRtrn2	Oil return 2		
BI			18	4WayVlvHeat	4 way valve(Heating)		
BI			19	ErrState	Unit Error stat		
BI			20	DrmPanHtr	Drain pan heater		
BI			21	EnrgyCutOutp	Energy cut output		
BI			22	HiPRtry	High pressure retry		
BI			23	LoPRtry	Low pressure retry		
BI			24	DschPipRtry	Disch. pipe retry		
BI			25	OHStby	Overheating stand-by		
BI			26	Inv1Stby	INV1 stand-by		
BI			27	Inv2Stby	INV2 stand-by		
BI			28	HiPStpDnCtl	H.P. stepping down cntl		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI					29	LoPStpDnCtl	L.P. stepping down cntl
BI					30	DmndStpDnCtl	Demand stepping down cntl
BI					31	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl
BI					32	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl
BI					33	Comp1OCStpDnCtl	Comp.1 OC stepping down cntl
BI					34	Comp2OCStpDnCtl	Comp.2 OC stepping down cntl
BI					35	Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI					36	Inv2FinStpDnCtl	INV2 Fin stepping down cntl

• **VRV4S3, VRVX, Skyair(RXTP224-335D), VRV4-EU, VRV4Q-EU (RXYQQ8-20T7Y1B)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	00				AirNet	AirNet Addr.	
IV	01				AmbT	Ambient temperature [°C]	
PIV	02				DschTComp1	Discharge pipe temp.(Comp.1) [°C]	
PIV	03				DschTComp2	Discharge pipe temp.(Comp.2) [°C]	
IV	04				EvT	Evaporating Temperature [°C]	
IV	05				CndT	Condensing Temperature [°C]	
IV	06				HexT	Heat exchanger temp. [°C]	
IV	07				HexLiqT	Heat exchanger liquid pipe temp. [°C]	
IV	08				ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
IV	09				ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
PIV	10				CompSrfT	Compressor surface temp. [°C]	
IV	11				AccInltT	Accumulator inlet temp. [°C]	
PIV	12				Comp1Cur	Comp.1 current [A]	
PIV	13				Comp2Cur	Comp.2 current [A]	
IV	14				Inv1FinT	INV1 fin temp. [°C]	
IV	15				Inv2FinT	INV2 fin temp. [°C]	
PIV	16				InvFanCur	INV FAN current [A]	

• **VRV6HP(RXYQ8-60BYM)**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	FanStp	Fan step		
BI			05	CompInv1	Compressor 1(INV1)		
BI			06	CompInv2	Compressor 2(INV2)		
BI			07	CcH1	CH1:Crankcase Heater		
BI			08	CcH2	CH2:Crankcase Heater		
BI			09	4WayVlv	4-way valve		
BI			10	OiRtrn1	Oil return 1		
BI			11	AccOiRtrn	Accumulator oil return		
BI			12	OiRtrn2	Oil return 2		
BI			13	ErrState	Unit Error stat		
AI			14	HexMain	Heat exchanger main [%]		
AI			15	HexLeft	Heat exchanger left [%]		
AI			16	ScHex	Subcooling heat exchanger [%]		
AI			17	RfrgCoolIPM	Refrigerant cooling IPM [%]		
AI			18	RfrgCoolAir	Refrigerant cooling air [%]		
AI			19	RfrgAutoCh	Refrigerant auto charge [%]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			20	InvFanSecCur		INV fan secondary current [A]	
BI			21	Injct		Injection	
BI			22	HotGasByp		Hot gas bypass	
BI			23	HiPRtry		High pressure retry	
BI			24	LoPRtry		Low pressure retry	
BI			25	DschPipRtry		Disch. pipe retry	
BI			26	OHStby		Overheating stand-by	
BI			27	Inv1Stby		INV1 stand-by	
BI			28	Inv2Stby		INV2 stand-by	
BI			29	HiPStpDnCtl		H.P. stepping down cntl	
BI			30	LoPStpDnCtl		L.P. stepping down cntl	
BI			31	DmndStpDnCtl		Demand stepping down cntl	
BI			32	Comp1DschStpDnCtl		Comp.1 Disch. stepping down cntl	
BI			33	Comp2DschStpDnCtl		Comp.2 Disch. stepping down cntl	
BI			34	Comp1InvStpDnCtl		Comp.1 INV stepping down cntl	
BI			35	Comp2InvStpDnCtl		Comp.2 INV stepping down cntl	
BI			36	Inv1FinStpDnCtl		INV1 Fin stepping down cntl	
BI			37	Inv2FinStpDnCtl		INV2 Fin stepping down cntl	
AI			38	Comp1Cur		Comp.1 current [A]	
AI			39	Comp2Cur		Comp.2 current [A]	
IV			40	Inv1T		INV1 temperatute [°C]	
IV			41	Inv2T		INV2 temperatute [°C]	

• VRV6HP(RXYQ8-60BYM)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA			Index			
PIV			00	AirNet	AirNet Addr.		
IV			01	AmbT	Ambient temperature [°C]		
PIV			02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]		
PIV			03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]		
AI			04	EvT	Evaporating temp [°C]		
AI			05	CndT	Condensing temp [°C]		
IV			06	HexLiqTRight	Heat exchanger right liquid temp. [°C]		
IV			07	HexLiqTLeft	Heat exchanger left liquid temp. [°C]		
IV			08	HexGasTRight	Heat exchanger right gas temp. [°C]		
IV			09	HexGasTLeft	Heat exchanger left gas temp. [°C]		
IV			10	HexDeiTRight	Heat exchanger right deicer temp. [°C]		
IV			11	HexDeiTLeft	Heat exchanger left deicer temp. [°C]		
IV			12	ScGasT	Subcooling gas temp. [°C]		
AI			13	ScLiqT	Subcooling liquid temp. [°C]		
IV			14	ScInjctT	Subcooling INJ temp. [°C]		
IV			15	BoxAirT	Box air temp. [°C]		
IV			16	BoxAirOutlT	Box air outlet. temp [°C]		
IV			17	SuctBAccT	R5T:Suction before accumulator temp. [°C]		
PIV			18	Inv1BodyT	INV1 comp. body temp [°C]		
PIV			19	Inv2BodyT	INV2 comp. body temp [°C]		

• VRV6HP-EU (RXYA-A7Y1B), VRV6R-EU (REYA-A7Y1B)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV				00		HP	HP [hp]
PIV				01		Inv1RotAmnt	INV 1 rotation amount [rps]
PIV				02		FanStp	Fan step



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			03		EVOp1	EV opening 1 [%]	
AI			04		EVOp2	EV opening 2 [%]	
AI			05		EVOp3	EV opening 3 [%]	
AI			06		EVOp4	EV opening 4 [%]	
AI			07		EVOp5	EV opening 5 [%]	
AI			08		EVOp7	EV opening 7 [%]	
BI			09		CompInv1	Compressor 1(INV1)	
BI			10		CcH1	CH1:Crankcase Heater	
BI			11		4WayVlvHiLoP	4 way valve (HP/LP gas pipe)	
BI			12		OiRtrn1	Oil return 1	
BI			13		AccOiRtrn	Accumulator oil return	
BI			14		ErrState	Unit Error stat	
BI			15		4WayVlvUprr	4-way valve(upper heat exchanger)	
BI			16		4WayVlvUndr	4-way valve(under heat exchanger)	
BI			17		LiqShOff	Liquid pipe shutoff/cutoff	
BI			18		HiPRtry	High pressure retry	
BI			19		LoPRtry	Low pressure retry	
BI			20		DschPipRtry	Disch. pipe retry	
BI			21		OHStby	Overheating stand-by	
BI			22		Inv1Stby	INV1 stand-by	
BI			23		HiPStpDnCtl	H.P. stepping down cntl	
BI			24		LoPStpDnCtl	L.P. stepping down cntl	
BI			25		DmndStpDnCtl	Demand stepping down cntl	
BI			26		Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl	
BI			27		Comp1InvStpDnCtl	Comp.1 INV stepping down cntl	
BI			28		Inv1FinStpDnCtl	INV1 Fin stepping down cntl	
BI			29		LkSensOutp	Leak sensor output	
BI			30		Injct	Injection	
AI			31		Comp1Cur	Comp.1 current [A]	
AI			32		InvFanSecCur	INV fan secondary current [A]	
IV			33		Inv1T	INV1 temperatute [°C]	

• VRV6HP-EU (RXYA-A7Y1B), VRV6R-EU (REYA-A7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV			00	AmbT	Ambient temperature [°C]		
PIV			01	DschTComp1	Discharge pipe temp.(Comp.1) [°C]		
AI			02	EvT	Evaporating temp [°C]		
AI			03	CndT	Condensing temp [°C]		
IV			04	HexGasTUprr	Heat exchanger gas pipe temp.(upper) [°C]		
IV			05	HexGasTLo	Heat exchanger gas pipe temp.(low) [°C]		
AI			06	HexLiqTUprrRight	Heat exchanger right upper liquid temp. [°C]		
AI			07	HexLiqTLoRight	Heat exchanger right lower liquid temp. [°C]		
IV			08	ScGasT	Subcooling gas temp. [°C]		
AI			09	ScLiqT	Subcooling liquid temp. [°C]		
AI			10	SuctT	Suction Temperature [°C]		
PIV			11	Comp1SrfT	Compressor 1 surface temp. [°C]		
IV			12	RcvrInltT	Receiver inlet temp. [°C]		
IV			13	RcvrGasPrqT	Receiver gas purge temp. [°C]		
IV			14	GasInjctT	Gas injection temp [°C]		
IV			15	AccInltT	Accumulator inlet temp. [°C]		
IV			16	HexDeiT	Heat exchanger deicer temp. [°C]		

• VRV5-cold(RXYLQ-T,RTSXYQ-BA)



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	Fan1RotAmnt	Fan 1 rotation amount [rpm]		
PIV			05	Fan2RotAmnt	Fan 2 rotation amount [rpm]		
PIV			06	FanStp	Fan step		
PIV			07	EVM	EVM (Main) [pls]		
PIV			08	EVT	EVT (subcooling heat xchanger) [pls]		
PIV			09	EVCIRfrg	EV(cooling refrigerant) [pls]		
BI			10	CompInv1	Compressor 1(INV1)		
BI			11	CompInv2	Compressor 2(INV2)		
BI			12	CcH1	CH1:Crankcase Heater		
BI			13	4WayVlv	4-way valve		
BI			14	AccOiRtrn	Accumulator oil return		
BI			15	ErrState	Unit Error stat		
BI			16	DrnPanHtr	Drain pan heater		
BI			17	OpOutp	Operation output		
BI			18	HiPRtry	High pressure retry		
BI			19	LoPRtry	Low pressure retry		
BI			20	DschPipRtry	Disch. pipe retry		
BI			21	OHStby	Overheating stand-by		
BI			22	Inv1Stby	INV1 stand-by		
BI			23	Inv2Stby	INV2 stand-by		
BI			24	HiPStpDnCtl	H.P. stepping down cntl		
BI			25	LoPStpDnCtl	L.P. stepping down cntl		
BI			26	DmndStpDnCtl	Demand stepping down cntl		
BI			27	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl		
BI			28	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl		
BI			29	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			30	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			31	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			32	Inv2FinStpDnCtl	INV2 Fin stepping down cntl		
BI			33	Inv1OiSepBlw	INV1 oil separator below		
BI			34	Injct	Injection		

• VRV5-cold(RXYLQ-T,RTSXYQ-BA)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
IV			01	AmbT	Ambient temperature [°C]		
PIV			02	DschTInv1	Discharge pipe temp.(INV1) [°C]		
IV			03	EvT	Evaporating Temperature [°C]		
IV			04	CndT	Condensing Temperature [°C]		
IV			05	HexLiqT	Heat exchanger liquid pipe temp. [°C]		
IV			06	ScHexGasT	Subcooling heat exchanger gas temp. [°C]		
IV			07	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]		
IV			08	CompSuctPipT	Comp. suction pipe temp. [°C]		
PIV			09	Comp1Cur	Comp.1 current [A]		
PIV			10	Comp2Cur	Comp.2 current [A]		
IV			11	Inv1FinT	INV1 fin temp. [°C]		
IV			12	Inv2FinT	INV2 fin temp. [°C]		
PIV			13	InvFanCur	INV FAN current [A]		
PIV			14	Inv1BodyT	INV1 comp. body temp [°C]		
IV			15	DeiT	Deicer temp [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
IV	16				ScHexInjctT	Subcooling heat exchanger injection [°C]	

• MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	00				AirNet	AirNet Addr.	
PIV	01				HP	HP [hp]	
PIV	02				Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV	03				FanStp	Fan step	
AI	04				EVM	EV (Main) [%]	
AI	05				EVT	EV (Subcool) [%]	
AI	06				EVM2	EV (Main2) [%]	
BI	07				CompInv1	Compressor 1(INV1)	
BI	08				CcH1	CH1:Crankcase Heater	
BI	09				4WayVlv	4-way valve	
BI	10				ErrState	Unit Error stat	
BI	11				HiPRtry	High pressure retry	
BI	12				LoPRtry	Low pressure retry	
BI	13				OHStby	Overheating stand-by	
BI	14				Inv1Stby	INV1 stand-by	
BI	15				HiPStpDnCtl	H.P. stepping down cntl	
BI	16				LoPStpDnCtl	L.P. stepping down cntl	
BI	17				DmndStpDnCtl	Demand stepping down cntl	
BI	18				Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl	
BI	19				Comp1InvStpDnCtl	Comp.1 INV stepping down cntl	
BI	20				Inv1FinStpDnCtl	INV1 Fin stepping down cntl	
BI	21				DschPipStby	Disch. pipe stand-by	
BI	22				LkSensOutp	Leak sensor output	
AI	23				Comp1Cur	Comp.1 current [A]	
IV	24				Inv1FinT	INV1 fin temp. [°C]	
AI	25				InvFanSecCur	INV fan secondary current [A]	
AI	26				InvPredCur	INV predicted current [A]	

• MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	00				AirNet	AirNet Addr.	
IV	01				AmbT	Ambient temperature [°C]	
PIV	02				DschTInv1	Discharge pipe temp.(INV1) [°C]	
AI	03				EvT	Evaporating temp [°C]	
AI	04				CndT	Condensing temp [°C]	
AI	05				HexLiqT	Heat exchanger liquid pipe temp. [°C]	
IV	06				ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
AI	07				SuctPipT	Suction pipe temp. [°C]	
IV	08				DeiT	Deicer temp [°C]	

• Skyair2(RXTP112-160F)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV					00	AirNet	AirNet Addr.



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	FanStp	Fan step		
AI			04	EVOp1	EV opening 1 [%]		
AI			05	EVOp2	EV opening 2 [%]		
AI			06	EVOp3	EV opening 3 [%]		
BI			07	CompInv1	Compressor 1(INV1)		
BI			08	CcH1	CH1:Crankcase Heater		
BI			09	4WayVlv	4-way valve		
BI			10	ErrState	Unit Error stat		
BI			11	HiPRtry	High pressure retry		
BI			12	LoPRtry	Low pressure retry		
BI			13	DschPipRtry	Disch. pipe retry		
BI			14	OHStby	Overheating stand-by		
BI			15	Inv1Stby	INV1 stand-by		
BI			16	HiPStpDnCtl	H.P. stepping down cntl		
BI			17	LoPStpDnCtl	L.P. stepping down cntl		
BI			18	DmndStpDnCtl	Demand stepping down cntl		
BI			19	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl		
BI			20	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			21	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			22	PEqCir	Pressure equalizing circuit solenoid valve		
AI			23	Comp1Cur	Comp.1 current [A]		
AI			24	InvFanSecCur	INV fan secondary current [A]		
IV			25	Inv1T	INV1 temperatute [°C]		

• Skyair2(RXTP112-160F)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	00				AirNet	AirNet Addr.	
IV	01				AmbT	Ambient temperature [°C]	
PIV	02				DschTComp1	Discharge pipe temp.(Comp.1) [°C]	
AI	03				EvT	Evaporating temp [°C]	
AI	04				CndT	Condensing temp [°C]	
IV	05				HexT1	Standard heat exchanget temp. 1 [°C]	
AI	06				HexLiqT1	Heat exchanger liquid pipe temp. 1 [°C]	
IV	07				ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
AI	08				ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
AI	09				SuctT	Suction Temperature [°C]	
IV	10				HexTAdd1	Additional heat exchanger temp 1 [°C]	

• RXTA-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	00				AirNet	AirNet Addr.	
PIV	01				HP	HP [hp]	
PIV	02				Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV	03				FanStp	Fan step	
AI	04				EVM	EV (Main) [%]	
AI	05				EVT	EV (Subcool) [%]	
BI	06				CompInv1	Compressor 1(INV1)	
BI	07				Cch1	CH1:Crankcase Heater	
BI	08				4WavVlv	4-way valve	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
AI	09					Comp1Cur	Comp.1 current [A]
IV	10					Inv1FinT	INV1 fin temp. [°C]
AI	11					InvFanSecCur	INV fan secondary current [A]

• RXTA-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	00					AirNet	AirNet Addr.
IV	01					AmbT	Ambient temperature [°C]
PIV	02					DschTComp1	Discharge pipe temp.(Comp.1) [°C]
AI	03					EvT	Evaporating temp [°C]
AI	04					CndT	Condensing temp [°C]
IV	05					HexLiqT1	Heat exchanger liquid pipe temp. 1 [°C]
AI	06					ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV	07					Comp1SrfT	Compressor 1 surface temp. [°C]
IV	08					AccInltT	Accumulator inlet temp. [°C]
IV	09					HexDeiT1	Heat exchanger temp. (Deicer 1) [°C]

• mini-VRV, VRV-M

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV		00	AirNet	AirNet Addr.			
PIV		01	HP	HP [hp]			
IV		02	AmbT	Ambient temperature [°C]			
IV		03	SuctT	Suction Temperature [°C]			
IV		04	EvT	Evaporating Temperature [°C]			
IV		05	CndT	Condensing Temperature [°C]			
PIV		06	EVOp1	EV opening 1 [pls]			
PIV		07	EVOp2	EV opening 2 [pls]			
PIV		08	CTSTD1	CT1 (STD1) [A]			
PIV		09	CTSTD2	CT2 (STD2) [A]			
PIV		10	FanStp	Fan step			
IV		11	CoilT	R4T :Coil temp. [°C]			
IV		12	ScCilExtT	Subcooling Coil exit Temp. [°C]			
PIV		13	DschTInv	Disch. temp.(INV) [°C]			
PIV		14	DschTStd1	Disch. temp.(STD1) [°C]			
PIV		15	DschTStd2	Disch. temp.(STD2) [°C]			
IV		16	RcvrLiqT	Receiver Liquid Temp. [°C]			
PIV		17	InvT	Inverter temp. [°C]			
PIV		18	InvCur	Inverter current [A]			
PIV		19	InvFanCur	INV FAN current [A]			
BI		20	Comp1Inv	Compressor1(INV)			
BI		21	Comp2Std1	Compressor2(STD1)			
BI		22	Comp3Std2	Compressor3(STD2)			
BI		23	OiRtrn	Oil return			
BI		24	HotGas	Hot Gas			
BI		25	CcH1	CH1:Crankcase Heater			
BI		26	CcH2	CH2:Crankcase Heater			
BI		27	CcH3	CH3:Crankcase Heater			
BI		28	SoftStrt	Soft start			
BI		29	ResrtStby	Restart stand-by			
BI		30	MulOi	Multi oil			
BI		31	ErrState	Unit Error stat			



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			32	EnrgyCutOutp	Energy cut output		
BI			33	HiPRtry	High pressure retry		
BI			34	LoPRtry	Low pressure retry		
BI			35	DschPipRtry	Disch. pipe retry		
BI			36	4WayVlv	4-way valve		
BI			37	Injct	Injection		
BI			38	Dfrst	Defrost		
BI			39	HiPDroCtl	High pres. drooping cntl.		
BI			40	LoPDroCtl	Low pres. drooping cntl.		
BI			41	InvDschDroCtl	INV Disch. pipe drooping cntl.		
BI			42	InvCurDroCtl	INV current drooping cntl.		
BI			43	InvFinDroCtl	INV fin drooping cntl.		
BI			44	Std1DschDroCtl	Std1DschDroCtl		
BI			45	Std1OCDroCtl	Std1OCDroCtl		
BI			46	Std2DschDroCtl	Std2DschDroCtl		
BI			47	Std2OCDroCtl	Std2OCDroCtl		
BI			48	InvStby	INV stand-by		
BI			49	RcvrGasIn	SVL:Receiver gas in		
BI			50	RcvrGasOut	SVG:Receiver gas out		
BI			51	StpUnGasOut	SVSG:StopUnit Gas out		
BI			52	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close		
IV			53	OiPEqT	Oil Pres. equalizer Temp. [°C]		
PIV			54	InvFrq	Inverter frequency [Hz]		

• VRV-M(REYQ8-48M)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
IV			02	AmbT	Ambient temperature [°C]		
IV			03	SuctT	Suction Temperature [°C]		
IV			04	EvT	Evaporating Temperature [°C]		
IV			05	CndT	Condensing Temperature [°C]		
PIV			06	EVOp1	EV opening 1 [pls]		
PIV			07	EVOp2	EV opening 2 [pls]		
PIV			08	EVOp3	EV opening 3 [pls]		
PIV			09	CTSTD1	CT1 (STD1) [A]		
PIV			10	CTSTD2	CT2 (STD2) [A]		
PIV			11	FanStp	Fan step		
IV			12	CoilT	R4T :Coil temp. [°C]		
IV			13	ScCilExtT	Subcooling Coil exit Temp. [°C]		
PIV			14	DschTInv	Disch. temp.(INV) [°C]		
PIV			15	DschTStd1	Disch. temp.(STD1) [°C]		
PIV			16	DschTStd2	Disch. temp.(STD2) [°C]		
IV			17	RcvrLiqT	Receiver Liquid Temp. [°C]		
PIV			18	InvT	Inverter temp. [°C]		
PIV			19	InvCur	Inverter current [A]		
PIV			20	InvFanCur	INV FAN current [A]		
BI			21	Comp1Inv	Compressor1(INV)		
BI			22	Comp2Std1	Compressor2(STD1)		
BI			23	Comp3Std2	Compressor3(STD2)		
BI			24	OiRtrn	Oil return		
BI			25	HotGas	Hot Gas		
BI			26	CcH1	CH1:Crankcase Heater		
BI			27	CcH2	CH2:Crankcase Heater		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
BI			28		CcH3	CH3:Crankcase Heater	
BI			29		SoftStrt	Soft start	
BI			30		ResrtStby	Restart stand-by	
BI			31		MulOi	Multi oil	
BI			32		ErrState	Unit Error stat	
BI			33		EnrgyCutOutp	Energy cut output	
BI			34		HiPRtry	High pressure retry	
BI			35		LoPRtry	Low pressure retry	
BI			36		DschPipRtry	Disch. pipe retry	
BI			37		4WayVlv1	4 way valve 1	
BI			38		4WayVlv2	4-way valve 2	
BI			39		Dfrst	Defrost	
BI			40		HiPDroCtl	High pres. drooping cntl.	
BI			41		LoPDroCtl	Low pres. drooping cntl.	
BI			42		InvDschDroCtl	INV Disch. pipe drooping cntl.	
BI			43		InvCurDroCtl	INV current drooping cntl.	
BI			44		InvFinDroCtl	INV fin drooping cntl.	
BI			45		Std1DschDroCtl	Std1DschDroCtl	
BI			46		Std1OCDroCtl	Std1OCDroCtl	
BI			47		Std2DschDroCtl	Std2DschDroCtl	
BI			48		Std2OCDroCtl	Std2OCDroCtl	
BI			49		InvStby	INV stand-by	
BI			50		RcvrGasIn	SVL:Receiver gas in	
BI			51		RcvrGasOut	SVG:Receiver gas out	
BI			52		StpUnGasOut	SVSG:StopUnit Gas out	
BI			53		StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close	
BI			54		HiPRduVlv	Y7S:High pressure reducing valve	
IV			55		OiPEqT	Oil Pres. equalizer Temp. [°C]	
PIV			56		InvFrq	Inverter frequency [Hz]	
IV			57		CilGas1T	R81T:Coil gas 1 temp. [°C]	
IV			58		CilGas2T	R81T:Coil gas 2 temp. [°C]	

• VRV6-R/RX(F) (REYP*F,REUP*F)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	FanStp	Fan step		
AI			05	EVOp1	EV opening 1 [%]		
AI			06	EVOp2	EV opening 2 [%]		
AI			07	EVOp3	EV opening 3 [%]		
AI			08	EVOp4	EV opening 4 [%]		
AI			09	EVOp5	EV opening 5 [%]		
BI			10	CompInv1	Compressor 1(INV1)		
BI			11	CompInv2	Compressor 2(INV2)		
BI			12	CcH1	CH1:Crankcase Heater		
BI			13	CcH2	CH2:Crankcase Heater		
BI			14	4WayVlvHiLoP	4 way valve (HP/LP gas pipe)		
BI			15	OiRtrn1	Oil return 1		
BI			16	AccOiRtrn	Accumulator oil return		
BI			17	OiRtrn2	Oil return 2		
BI			18	4WayVlvAdd	4 way valve (additional heat exchanger)		
BI			19	ErrState	Unit Error stat		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
BI			20	4WayVlvUprr	4-way valve(upper heat exchanger)		
BI			21	4WayVlvUndr	4-way valve(under heat exchanger)		
BI			22	LiqShOff	Liquid pipe shutoff/cutoff		
BI			23	DmndStpDnCtl	Demand stepping down cntl		
BI			24	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			25	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			26	InvRtry	INV retry		
BI			27	Rtry	Retry		
AI			28	Comp1Cur	Comp.1 current [A]		
AI			29	Comp2Cur	Comp.2 current [A]		
AI			30	InvFanSecCur	INV fan secondary current [A]		
IV			31	Inv1T	INV1 temperatute [°C]		
IV			32	Inv2T	INV2 temperatute [°C]		

• VRV6-R/RX(F) (REYP*F,REUP*F)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			Index			
	VA						
PIV				00	AirNet	AirNet Addr.	
IV				01	AmbT	Ambient temperature [°C]	
PIV				02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]	
PIV				03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]	
AI				04	EvT	Evaporating temp [°C]	
AI				05	CndT	Condensing temp [°C]	
IV				06	HexGasTUprr	Heat exchanger gas pipe temp.(upper) [°C]	
IV				07	HexGasTLo	Heat exchanger gas pipe temp.(low) [°C]	
AI				08	HexLiqTUprr	Heat exchanger liquid pipe temp.(upper) [°C]	
AI				09	HexLiqTLo	Heat exchanger liquid pipe temp.(low) [°C]	
IV				10	ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
AI				11	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
AI				12	SuctT	Suction Temperature [°C]	
PIV				13	Comp1SrfT	Compressor 1 surface temp. [°C]	
PIV				14	Comp2SrfT	Compressor 2 surface temp. [°C]	
IV				15	AccInltT	Accumulator inlet temp. [°C]	
IV				16	RcvrInltT	Receiver inlet temp. [°C]	
IV				17	RcvrGasPrqT	Receiver gas purge temp. [°C]	
IV				18	DeiT	Deicer temp [°C]	
IV				19	DeiTAdd	Deicer temp (additional) [°C]	
IV				20	HexLiqTAdd	Heat exchanger liquid pipe temp. (additional heat exchanger) [°C]	
IV				21	HexGasTAdd	Heat exchanger gas pipe temp. (additional heat exchanger) [°C]	

• VRV6R (REYQ-BYM,AAAYDA,AATJA)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV				00	AirNet	AirNet Addr.	
PIV				01	HP	HP [hp]	
PIV				02	Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV				03	Inv2RotAmnt	INV 2 rotation amount [rps]	
PIV				04	FanStp	Fan step	
AI				05	HexUprrRight	Heat exchanger right upper [%]	
AI				06	HexLoRight	Heat exchanger right lower [%]	
AI				07	ScHex	Subcooling heat exchanger [%]	
AI				08	RcvrGasPrq	Receiver gas purge [%]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			09	HexLeft	Heat exchanger left [%]		
AI			10	RfrgCoolIPM	Refrigerant cooling IPM [%]		
AI			11	RfrgCoolAir	Refrigerant cooling air [%]		
AI			12	RfrgAutoCh	Refrigerant auto charge [%]		
BI			13	CompInv1	Compressor 1(INV1)		
BI			14	CompInv2	Compressor 2(INV2)		
BI			15	CcH1	CH1:Crankcase Heater		
BI			16	CcH2	CH2:Crankcase Heater		
BI			17	4WayVlvHiLoP	4 way valve (HP/LP gas pipe)		
BI			18	OiRtrn1	Oil return 1		
BI			19	AccOiRtrn	Accumulator oil return		
BI			20	OiRtrn2	Oil return 2		
BI			21	4WayVlvAdd	4 way valve (additional heat exchanger)		
BI			22	ErrState	Unit Error stat		
BI			23	4WayVlvUpR	4-way valve(upper heat exchanger)		
BI			24	4WayVlvUndr	4-way valve(under heat exchanger)		
BI			25	LiqShOff	Liquid pipe shutoff/cutoff		
BI			26	HiPRtry	High pressure retry		
BI			27	LoPRtry	Low pressure retry		
BI			28	DschPipRtry	Disch. pipe retry		
BI			29	OHStby	Overheating stand-by		
BI			30	Inv1Stby	INV1 stand-by		
BI			31	Inv2Stby	INV2 stand-by		
BI			32	HiPStpDnCtl	H.P. stepping down cntl		
BI			33	LoPStpDnCtl	L.P. stepping down cntl		
BI			34	DmndStpDnCtl	Demand stepping down cntl		
BI			35	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl		
BI			36	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl		
BI			37	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			38	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			39	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			40	Inv2FinStpDnCtl	INV2 Fin stepping down cntl		
BI			41	Injct	Injection		
BI			42	RfrgAdj	Refrigerant adjustment		
AI			43	Comp1Cur	Comp.1 current [A]		
AI			44	Comp2Cur	Comp.2 current [A]		
AI			45	InvFanSecCur	INV fan secondary current [A]		
IV			46	Inv1T	INV1 temperatute [°C]		
IV			47	Inv2T	INV2 temperatute [°C]		

• VRV6R (REYQ-BYM,AAYDA,AATJA)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
IV			01	AmbT	Ambient temperature [°C]		
PIV			02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]		
PIV			03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]		
AI			04	EvT	Evaporating temp [°C]		
AI			05	CndT	Condensing temp [°C]		
IV			06	HexGasT1	Heat exchanger gas pipe temp. 1 [°C]		
IV			07	HexGasTRight	Heat exchanger right gas temp. [°C]		
IV			08	HexGasTLeft	Heat exchanger left gas temp. [°C]		
IV			09	HexLiqTUpRight	Heat exchanger right upper liquid temp. [°C]		
IV			10	HexLiqTLoRight	Heat exchanger right lower liquid temp. [°C]		
IV			11	HexLiqTLeft	Heat exchanger left liquid temp. [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
IV			12	ScGasT	Subcooling gas temp. [°C]		
AI			13	ScLiqT	Subcooling liquid temp. [°C]		
AI			14	SuctT	Suction Temperature [°C]		
PIV			15	Comp1SrfT	Compressor 1 surface temp. [°C]		
PIV			16	Comp2SrfT	Compressor 2 surface temp. [°C]		
IV			17	RcvrInltT	Receiver inlet temp. [°C]		
IV			18	RcvrGasPrgT	Receiver gas purge temp. [°C]		
IV			19	ScInjctT	Subcooling INJ temp. [°C]		
IV			20	AccInltT	Accumulator inlet temp. [°C]		
IV			21	HexDeiTRight	Heat exchanger right deicer temp. [°C]		
IV			22	HexDeiTLeft	Heat exchanger left deicer temp. [°C]		
IV			23	BoxAirT	Box air temp. [°C]		
IV			24	BoxAirOutlT	Box air outlet. temp [°C]		

• VRV4-us(RELQ,RXLQ), VRV-5R(REYQ**TAY1), VRV-4R

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00		AirNet	AirNet Addr.	
PIV			01		HP	HP [hp]	
PIV			02		Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV			03		Inv2RotAmnt	INV 2 rotation amount [rps]	
PIV			04		Fan1RotAmnt	Fan 1 rotation amount [rpm]	
PIV			05		Fan2RotAmnt	Fan 2 rotation amount [rpm]	
PIV			06		FanStp	Fan step	
PIV			07		EVOp1	EV opening 1 [pls]	
PIV			08		EVOp2	EV opening 2 [pls]	
PIV			09		EVOp3	EV opening 3 [pls]	
PIV			10		EVOp4	EV4 pls.(receiver gas purge) [pls]	
PIV			11		EVOp5	EV5 pls.(cooling refrigerant) [pls]	
PIV			12		EVOp6	EV6 pls.(leak detection) [pls]	
BI			13		CompInv1	Compressor 1(INV1)	
BI			14		CompInv2	Compressor 2(INV2)	
BI			15		CcH1	CH1:Crankcase Heater	
BI			16		CcH2	CH2:Crankcase Heater	
BI			17		4WayVlv	4-way valve	
BI			18		OiRtrn1	Oil return 1	
BI			19		OiRtrn2	Oil return 2	
BI			20		ErrState	Unit Error stat	
BI			21		4WayVlvUprr	4-way valve(upper heat exchanger)	
BI			22		4WayVlvUndrr	4-way valve(under heat exchanger)	
BI			23		SolVlv	Sol. valve(shutoff liquid pipe)	
BI			24		DrnPnHtr	Drain pan heater	
BI			25		EnrgyCutOutp	Energy cut output	
BI			26		HiPRtry	High pressure retry	
BI			27		LoPRtry	Low pressure retry	
BI			28		DschPipRtry	Disch. pipe retry	
BI			29		OHStby	Overheating stand-by	
BI			30		Inv1Stby	INV1 stand-by	
BI			31		Inv2Stby	INV2 stand-by	
BI			32		HiPStpDnCtl	H.P. stepping down cntl	
BI			33		LoPStpDnCtl	L.P. stepping down cntl	
BI			34		DmndStpDnCtl	Demand stepping down cntl	
BI			35		Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl	
BI			36		Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl	
BI			37		Comp1OCStpDnCtl	Comp.1 OC stepping down cntl	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	38					Comp2OCStpDnCtl	Comp.2 OC stepping down cntl
BI	39					Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI	40					Inv2FinStpDnCtl	INV2 Fin stepping down cntl

• VRV4-us(RELQ,RXLQ), VRV-5R(REYQ**TAY1), VRV-4R

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV		00	AirNet	AirNet Addr.			
IV		01	AmbT	Ambient temperature [°C]			
PIV		02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]			
PIV		03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]			
IV		04	EvT	Evaporating Temperature [°C]			
IV		05	CndT	Condensing Temperature [°C]			
IV		06	HexT	Heat exchanger temp. [°C]			
IV		07	HexLiqT	Heat exchanger liquid pipe temp. [°C]			
IV		08	HexGasTUp	Heat exchanger gas pipe temp.(upper) [°C]			
IV		09	HexGasTLo	Heat exchanger gas pipe temp.(low) [°C]			
IV		10	HexLiqTUp	Heat exchanger liquid pipe temp.(upper) [°C]			
IV		11	HexLiqTLo	Heat exchanger liquid pipe temp.(low) [°C]			
IV		12	ScHexGasT	Subcooling heat exchanger gas temp. [°C]			
IV		13	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]			
IV		14	SuctT	Suction Temperature [°C]			
IV		15	CompSuctPipT	Comp. suction pipe temp. [°C]			
PIV		16	CompSrfT	Compressor surface temp. [°C]			
IV		17	RcvrInltT	Receiver inlet temp. [°C]			
IV		18	RcvrGasPrgT	Receiver gas purge temp. [°C]			
PIV		19	Comp1Cur	Comp.1 current [A]			
PIV		20	Comp2Cur	Comp.2 current [A]			
IV		21	Inv1FinT	INV1 fin temp. [°C]			
IV		22	Inv2FinT	INV2 fin temp. [°C]			
PIV		23	InvFanCur	INV FAN current [A]			

• VRV-3R, VRV3C, ALT-MG(EMRQ8-16AAY1)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
IV			02	AmbT	Ambient temperature [°C]		
IV			03	SuctT	Suction Temperature [°C]		
IV			04	EvT	Evaporating Temperature [°C]		
IV			05	CndT	Condensing Temperature [°C]		
PIV			06	InvRS	Inverter Revolution Speed [rps]		
PIV			07	EVOp1	EV opening 1 [pls]		
PIV			08	EVOp2	EV opening 2 [pls]		
PIV			09	EVOp	EV opening [pls]		
PIV			10	CTSTD1	CT1 (STD1) [A]		
PIV			11	CTSTD2	CT2 (STD2) [A]		
PIV			12	FanStp	Fan step		
PIV			13	DschTInv	Disch. temp.(INV) [°C]		
PIV			14	DschTStd1	Disch. temp.(STD1) [°C]		
PIV			15	DschTStd2	Disch. temp.(STD2) [°C]		
IV			16	InvT	Inverter temp. [°C]		
PIV			17	InvCur	Inverter current [A]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			18		InvFanCur	INV FAN current [A]	
BI			19		Comp1Inv	Compressor1(INV)	
BI			20		Comp2Std1	Compressor2(STD1)	
BI			21		Comp3Std2	Compressor3(STD2)	
BI			22		OiRtrn	Oil return	
BI			23		HotGas	Hot Gas	
BI			24		CcH1	CH1:Crankcase Heater	
BI			25		CcH2	CH2:Crankcase Heater	
BI			26		CcH3	CH3:Crankcase Heater	
BI			27		SoftStrt	Soft start	
BI			28		ResrtStby	Restart stand-by	
BI			29		ErrState	Unit Error stat	
BI			30		EnrgyCutOutp	Energy cut output	
BI			31		HiPRtry	High pressure retry	
BI			32		LoPRtry	Low pressure retry	
BI			33		DschPipRtry	Disch. pipe retry	
BI			34		4WayVlv	4-way valve	
BI			35		4WayVlv2	4-way valve 2	
BI			36		Dfrst	Defrost	
BI			37		HiPStpDnCtl	H.P. stepping down cntl	
BI			38		LoPStpDnCtl	L.P. stepping down cntl	
BI			39		DmndStpDnCtl	Demand stepping down cntl	
BI			40		InvRtry	INV retry	
BI			41		InvDschStpDnCtl	INV Disch. stepping down cntl	
BI			42		InvOCStpDnCtl	INV OC stepping down cntl	
BI			43		InvFinStpDnCtl	INV Fin stepping down cntl	
BI			44		Std1DschStpDnCtl	STD1 Disch. stepping down cntl	
BI			45		Std1OCStpDnCtl	STD1 OC stepping down cntl	
BI			46		Std2DschStpDnCtl	STD2 Disch. stepping down cntl	
BI			47		Std2OCStpDnCtl	STD2 OC stepping down cntl	
BI			48		EVByp	EV bypass	
BI			49		RfrgGasPrg	Refrigerant regu. gas purging	
BI			50		RfrgLiq	Refrigerant regu. liquid	
BI			51		RfrgDsching	Refrigerant regu. discharging	
BI			52		RfrgDsch	Refrigerant regu. discharge	
BI			53		OpOutp	Operation output	
IV			54		HexT	Heat exchanger temp. [°C]	
IV			55		HexGasT	Heat Ex. Gas temp. [°C]	
IV			56		HexLiqT	Heat exchanger liquid pipe temp. [°C]	
IV			57		ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
IV			58		ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
IV			59		EVLiqT	EV liquid pipe temp. [°C]	

• VRV-L:RSXYP5-10L(JY1_Y1_YL)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV				00	AirNet	AirNet Addr.	
PIV				01	HP	HP [hp]	
PIV				02	Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV				03	Fan1RotAmnt	Fan 1 rotation amount [rpm]	
PIV				04	Fan2RotAmnt	Fan 2 rotation amount [rpm]	
PIV				05	FanStp	Fan step	
PIV				06	EVM	EVM (Main) [pls]	
PIV				07	EVT	EVT (subcooling heat xchanger) [pls]	
PIV				08	EVCIRfrq	EV(cooling refrigerant) [pls]	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			09	CompInv1	Compressor 1(INV1)		
BI			10	CcH1	CH1:Crankcase Heater		
BI			11	4WayVlv	4-way valve		
BI			12	OiRtrn1	Oil return 1		
BI			13	AccOiRtrn	Accumulator oil return		
BI			14	OiRtrn2	Oil return 2		
BI			15	ErrState	Unit Error stat		
BI			16	DrnPanHtr	Drain pan heater		
BI			17	DmndStpDnCtl	Demand stepping down cntl		
BI			18	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			19	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			20	InvRtry	INV retry		
BI			21	Rtry	Retry		

• VRV-L:RSXYP5-10L(JY1_Y1_YL)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV				00		AirNet	AirNet Addr.
IV				01		AmbT	Ambient temperature [°C]
PIV				02		DschTInv1	Discharge pipe temp.(INV1) [°C]
IV				03		EvT	Evaporating Temperature [°C]
IV				04		CndT	Condensing Temperature [°C]
IV				05		HexT	Heat exchanger temp. [°C]
IV				06		HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV				07		ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV				08		ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
PIV				09		CompSrfT	Compressor surface temp. [°C]
IV				10		AccInltT	Accumulator inlet temp. [°C]
PIV				11		Inv1Cur	Inv1 current [A]
IV				12		Inv1FinT	INV1 fin temp. [°C]
IV				13		ScHexInjctT	Subcooling heat exchanger injection [°C]

• VRV6-A/X(F) (RXYP224-1500F)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	FanStp	Fan step		
AI			05	EVOp1	EV opening 1 [%]		
AI			06	EVOp2	EV opening 2 [%]		
AI			07	EVOp3	EV opening 3 [%]		
AI			08	EVOp4	EV opening 4 [%]		
BI			09	CompInv1	Compressor 1(INV1)		
BI			10	CompInv2	Compressor 2(INV2)		
BI			11	CcH1	CH1:Crankcase Heater		
BI			12	CcH2	CH2:Crankcase Heater		
BI			13	4WayVlv	4-way valve		
BI			14	OiRtrn1	Oil return 1		
BI			15	AccOiRtrn	Accumulator oil return		
BI			16	OiRtrn2	Oil return 2		
BI			17	ErrState	Unit Error stat		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			18	DmndStpDnCtl	Demand stepping down cntl		
BI			19	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			20	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			21	Injct	Injection		
BI			22	DschByp	Discharge bypass		
BI			23	InvRtry	INV retry		
BI			24	Rtry	Retry		
AI			25	Comp1Cur	Comp.1 current [A]		
AI			26	Comp2Cur	Comp.2 current [A]		
IV			27	Inv1T	INV1 temperatute [°C]		
IV			28	Inv2T	INV2 temperatute [°C]		

• VRV6-A/X(F) (RXYP224-1500F)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	00				AirNet	AirNet Addr.	
IV	01				AmbT	Ambient temperature [°C]	
PIV	02				DschTComp1	Discharge pipe temp.(Comp.1) [°C]	
PIV	03				DschTComp2	Discharge pipe temp.(Comp.2) [°C]	
AI	04				EvT	Evaporating temp [°C]	
AI	05				CndT	Condensing temp [°C]	
IV	06				HexT1	Standard heat exchanget temp. 1 [°C]	
IV	07				HexT2	Standard heat exchanget temp. 2 [°C]	
IV	08				HexGasT1	Heat exchanger gas pipe temp. 1 [°C]	
IV	09				HexGasT2	Heat exchanger gas pipe temp. 2 [°C]	
AI	10				HexLiqT1	Heat exchanger liquid pipe temp. 1 [°C]	
AI	11				HexLiqT2	Heat exchanger liquid pipe temp. 2 [°C]	
IV	12				ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
AI	13				ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
AI	14				SuctT	Suction Temperature [°C]	
IV	15				HexTAdd1	Additional heat exchanger temp 1 [°C]	
IV	16				HexTAdd2	Additional heat exchanger temp 2 [°C]	
PIV	17				Inv1OvhtPrtT	Compressor 1 overheat protection [°C]	
PIV	18				Inv2OvhtPrtT	Compressor 2 overheat protection [°C]	
IV	19				ScHexInjctT	Subcooling heat exchanger injection [°C]	

• VRV6(FC) (RXYP224-1500FC,REUP280-1360FC)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV				00	AirNet	AirNet Addr.	
PIV				01	HP	HP [hp]	
PIV				02	Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV				03	Inv2RotAmnt	INV 2 rotation amount [rps]	
PIV				04	FanStp	Fan step	
AI				05	EVM	EV (Main) [%]	
AI				06	EVScHex	EV (Subcool heat exc.) [%]	
AI				07	EVRfrgCond	EV (Refrigerant conditioning vessel out) [%]	
AI				08	EVM2	EV (Main2) [%]	
BI				09	CompInv1	Compressor 1(INV1)	
BI				10	CompInv2	Compressor 2(INV2)	
BI				11	CcH1	CH1:Crankcase Heater	
BI				12	CcH2	CH2:Crankcase Heater	
BI				13	4WayVlv	4-way valve	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			14	OiRtrn1	Oil return 1		
BI			15	AccOiRtrn	Accumulator oil return		
BI			16	OiRtrn2	Oil return 2		
BI			17	ErrState	Unit Error stat		
BI			18	HiPRtry	High pressure retry		
BI			19	LoPRtry	Low pressure retry		
BI			20	DschPipRtry	Disch. pipe retry		
BI			21	OHStby	Overheating stand-by		
BI			22	Inv1Stby	INV1 stand-by		
BI			23	Inv2Stby	INV2 stand-by		
BI			24	HiPStpDnCtl	H.P. stepping down cntl		
BI			25	LoPStpDnCtl	L.P. stepping down cntl		
BI			26	DmndStpDnCtl	Demand stepping down cntl		
BI			27	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl		
BI			28	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl		
BI			29	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			30	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			31	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			32	Inv2FinStpDnCtl	INV2 Fin stepping down cntl		
BI			33	Injct	Injection		
AI			34	Comp1Cur	Comp.1 current [A]		
AI			35	Comp2Cur	Comp.2 current [A]		
AI			36	InvFanSecCur	INV fan secondary current [A]		
IV			37	Inv1T	INV1 temperatute [°C]		
IV			38	Inv2T	INV2 temperatute [°C]		

• VRV6(FC) (RXYP224-1500FC,REUP280-1360FC)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
IV			01	AmbT	Ambient temperature [°C]		
PIV			02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]		
AI			03	EvT	Evaporating temp [°C]		
AI			04	CndT	Condensing temp [°C]		
IV			05	HexGasT1	Heat exchanger gas pipe temp. 1 [°C]		
IV			06	HexGasT2	Heat exchanger gas pipe temp. 2 [°C]		
IV			07	HexLiqT1	Heat exchanger liquid pipe temp. 1 [°C]		
IV			08	HexLiqT2	Heat exchanger liquid pipe temp. 2 [°C]		
IV			09	ScGasT	Subcooling gas temp. [°C]		
AI			10	ScLiqT	Subcooling liquid temp. [°C]		
AI			11	SuctT	Suction Temperature [°C]		
PIV			12	Inv1OvhtPrtT	Compressor 1 overheat protection [°C]		
IV			13	RfrgChT	Refrigerant charging temp. [°C]		
IV			14	EVMOutlLiqT	EVM Outlet Liquid Pipe Temperature [°C]		
IV			15	ScInjctT	Subcooling INJ temp. [°C]		
IV			16	HexDeiT1	Heat exchanger temp. (Deicer 1) [°C]		
IV			17	HexDeiT2	Heat exchanger temp. (Deicer 2) [°C]		

• VRV-2MA

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV					00	AirNet	AirNet Addr.
PIV					01	HP	HP [hp]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV			02	SuctT	Suction Temperature [°C]		
PIV			03	EVOp1	EV opening 1 [pls]		
PIV			04	EVOp2	EV opening 2 [pls]		
PIV			05	DschTInv	Disch. temp.(INV) [°C]		
PIV			06	InvT	Inverter temp. [°C]		
PIV			07	InvCur	Inverter current [A]		
BI			08	Comp1Inv	Compressor1(INV)		
BI			09	Comp2Std1	Compressor2(STD1)		
BI			10	Comp3Std2	Compressor3(STD2)		
BI			11	OiRtrn	Oil return		
BI			12	HotGas	Hot Gas		
BI			13	CcH1	CH1:Crankcase Heater		
BI			14	CcH2	CH2:Crankcase Heater		
BI			15	CcH3	CH3:Crankcase Heater		
BI			16	ResrtStby	Restart stand-by		
BI			17	MulOi	Multi oil		
BI			18	ErrState	Unit Error stat		
BI			19	EnrgyCutOutp	Energy cut output		
BI			20	HiPRtry	High pressure retry		
BI			21	LoPRtry	Low pressure retry		
BI			22	DschPipRtry	Disch. pipe retry		
BI			23	4WayVlv	4-way valve		
BI			24	4WayVlv2	4-way valve 2		
BI			25	Injct	Injection		
BI			26	Dfrst	Defrost		
BI			27	HiPDroCtl	High pres. drooping cntl.		
BI			28	LoPDroCtl	Low pres. drooping cntl.		
BI			29	InvDschDroCtl	INV Disch. pipe drooping cntl.		
BI			30	InvCurDroCtl	INV current drooping cntl.		
BI			31	InvFinDroCtl	INV fin drooping cntl.		
BI			32	Std1DschDroCtl	Std1DschDroCtl		
BI			33	Std1OCDroCtl	Std1OCDroCtl		
BI			34	Std2DschDroCtl	Std2DschDroCtl		
BI			35	Std2OCDroCtl	Std2OCDroCtl		
IV			36	CoilT	R4T :Coil temp. [°C]		
IV			37	ScCilExtT	Subcooling Coil exit Temp. [°C]		
IV			38	RcvrLiqT	Receiver Liquid Temp. [°C]		
PIV			39	InvFrq	Inverter frequency [Hz]		
BI			40	InvStby	INV stand-by		
BI			41	RcvrGasOut	SVG:Receiver gas out		
BI			42	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close		
IV			43	AmbT	Ambient temperature [°C]		
PIV			44	DschTStd1	Disch. temp.(STD1) [°C]		
PIV			45	DschTStd2	Disch. temp.(STD2) [°C]		
IV			46	CndT	Condensing Temperature [°C]		
IV			47	EvT	Evaporating Temperature [°C]		
PIV			48	EVOp	EV opening [pls]		
PIV			49	CTSTD1	CT1 (STD1) [A]		
PIV			50	CTSTD2	CT2 (STD2) [A]		
PIV			51	InvFanCur	INV FAN current [A]		
PIV			52	FanStp	Fan step		
IV			53	CilGasMnT	Main coil gas temp [°C]		
IV			54	CilGasSbT	Sub coil gas temp [°C]		

- Ve-up3b (RXUP280-1000B), VRV-3B



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	FanStp	Fan step		
PIV			05	EVOp1	EV opening 1 [pls]		
PIV			06	EVOp2	EV opening 2 [pls]		
BI			07	CompInv1	Compressor 1(INV1)		
BI			08	CompInv2	Compressor 2(INV2)		
BI			09	CcH1	CH1:Crankcase Heater		
BI			10	CcH2	CH2:Crankcase Heater		
BI			11	4WayVlv	4-way valve		
BI			12	OiRtrn1	Oil return 1		
BI			13	AccOiRtrn	Accumulator oil return		
BI			14	OiRtrn2	Oil return 2		
BI			15	ErrState	Unit Error stat		
BI			16	DrmPanHtr	Drain pan heater		
BI			17	EnrgyCutOutp	Energy cut output		
BI			18	HiPRtry	High pressure retry		
BI			19	LoPRtry	Low pressure retry		
BI			20	DschPipRtry	Disch. pipe retry		
BI			21	OHStby	Overheating stand-by		
BI			22	Inv1Stby	INV1 stand-by		
BI			23	Inv2Stby	INV2 stand-by		
BI			24	HiPStpDnCtl	H.P. stepping down cntl		
BI			25	LoPStpDnCtl	L.P. stepping down cntl		
BI			26	DmndStpDnCtl	Demand stepping down cntl		
BI			27	Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl		
BI			28	Inv2DschStpDnCtl	Inv2 Disch. stepping down cntl		
BI			29	Inv1OCStpDnCtl	INV1 OC stepping down cntl		
BI			30	Inv2OCStpDnCtl	INV OC stepping down cntl		
BI			31	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			32	Inv2FinStpDnCtl	INV2 Fin stepping down cntl		

• **Ve-up3b (RXUP280-1000B), VRV-3B, Ve-upQb (RQYP224-1180B,RXUP224-690B)**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			00			AirNet	AirNet Addr.
IV			01			AmbT	Ambient temperature [°C]
PIV			02			DschTInv1	Discharge pipe temp.(INV1) [°C]
PIV			03			DschTInv2	Discharge pipe temp.(INV2) [°C]
IV			04			EvT	Evaporating Temperature [°C]
IV			05			CndT	Condensing Temperature [°C]
IV			06			HexT	Heat exchanger temp. [°C]
IV			07			HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV			08			ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV			09			ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
PIV			10			CompSrfT	Compressor surface temp. [°C]
IV			11			AccInltT	Accumulator inlet temp. [°C]
PIV			12			Inv1Cur	Inv1 current [A]
PIV			13			Inv2Cur	Inv2 current [A]
IV			14			Inv1FinT	INV1 fin temp. [°C]
IV			15			Inv2FinT	INV2 fin temp. [°C]
PIV			16			InvFanCur	INV FAN current [A]



• VRV5C-DIT(RXQ12AYM)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	Fan1RotAmnt	Fan 1 rotation amount [rpm]		
PIV			05	Fan2RotAmnt	Fan 2 rotation amount [rpm]		
PIV			06	FanStp	Fan step		
PIV			07	EVM	EVM (Main) [pls]		
PIV			08	EVT	EVT (subcooling heat xchanger) [pls]		
PIV			09	EVJ	EVJ (refrigerant injection) [pls]		
BI			10	CompInv1	Compressor 1(INV1)		
BI			11	CompInv2	Compressor 2(INV2)		
BI			12	ErrState	Unit Error stat		
BI			13	OpOutp	Operation output		
BI			14	HiPRtry	High pressure retry		
BI			15	LoPRtry	Low pressure retry		
BI			16	DschPipRtry	Disch. pipe retry		
BI			17	OHStby	Overheating stand-by		
BI			18	Inv1Stby	INV1 stand-by		
BI			19	Inv2Stby	INV2 stand-by		
BI			20	HiPStpDnCtl	H.P. stepping down cntl		
BI			21	LoPStpDnCtl	L.P. stepping down cntl		
BI			22	DmndStpDnCtl	Demand stepping down cntl		
BI			23	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl		
BI			24	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl		
BI			25	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			26	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			27	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			28	Inv2FinStpDnCtl	INV2 Fin stepping down cntl		
BI			29	Inv1OiSepBlw	INV1 oil separator below		
BI			30	Inv2OiSepBlw	INV2 oil separator below		

• VRV5C-DIT(RXQ12AYM)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV			00			AirNet	AirNet Addr.
IV			01			AmbT	Ambient temperature [°C]
PIV			02			DschTComp1	Discharge pipe temp.(Comp.1) [°C]
IV			03			DschTComp2	Discharge pipe temp.(Comp.2) [°C]
IV			04			EvT	Evaporating Temperature [°C]
IV			05			CndT	Condensing Temperature [°C]
IV			06			HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV			07			ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV			08			ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
IV			09			CompSuctPipT	Comp. suction pipe temp. [°C]
PIV			10			Comp1Cur	Comp.1 current [A]
PIV			11			Comp2Cur	Comp.2 current [A]
IV			12			Inv1FinT	INV1 fin temp. [°C]
IV			13			Inv2FinT	INV2 fin temp. [°C]
PIV			14			InvFanCur	INV FAN current [A]
PIV			15			Inv1BodyT	INV1 comp. body temp [°C]
PIV			16			Inv2BodyT	INV2 comp. body temp [°C]

• VRV-2-WATER(RWEYQ10-30MY1)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
IV			02	SuctT	Suction Temperature [°C]		
PIV			03	EVOp1	EV opening 1 [pls]		
PIV			04	EVOp2	EV opening 2 [pls]		
PIV			05	DschTInv	Disch. temp.(INV) [°C]		
PIV			06	InvFinT	Inverter fin temp. [°C]		
PIV			07	InvCur	Inverter current [A]		
BI			08	Comp1Inv	Compressor1(INV)		
BI			09	OiRtrn	Oil return		
BI			10	HotGas	Hot Gas		
BI			11	CcH1	CH1:Crankcase Heater		
BI			12	SoftStrt	Soft start		
BI			13	ResrtStby	Restart stand-by		
BI			14	ErrState	Unit Error stat		
BI			15	HiPRtry	High pressure retry		
BI			16	LoPRtry	Low pressure retry		
BI			17	DschPipRtry	Disch. pipe retry		
BI			18	4WayVlv	4-way valve		
BI			19	4WayVlv2	4-way valve 2		
BI			20	HiPStpDnCtl	H.P. stepping down cntl		
BI			21	LoPStpDnCtl	L.P. stepping down cntl		
BI			22	InvDschStpDnCtl	INV Disch. stepping down cntl		
BI			23	InvOCStpDnCtl	INV OC stepping down cntl		
BI			24	InvFinStpDnCtl	INV Fin stepping down cntl		
IV			25	CoilT	R4T :Coil temp. [°C]		
IV			26	ScCilExtT	Subcooling Coil exit Temp. [°C]		
IV			27	RcvrLiqT	Receiver Liquid Temp. [°C]		
PIV			28	InvFrq	Inverter frequency [Hz]		
BI			29	RcvrGasIn	SVL:Receiver gas in		
BI			30	RcvrGasOut	SVG:Receiver gas out		
BI			31	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close		
BI			32	Pump	Y2M:Pump		
BI			33	InvFinCool	M1F:INV fin cool		
BI			34	OilRecover	Y2S:Oil recovery		
IV			35	CndT	Condensing Temperature [°C]		
IV			36	EvT	Evaporating Temperature [°C]		

- VRV-3W-WATER(RWEYQ8-30P), VRV3C2-WATER(RWEYP***PCTJ), VRV-3Wx-WATER(RWEYQ8-30P), VRV-4W-WATER(RWEYQ8-10T7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV					00	AirNet	AirNet Addr.
PIV					01	HP	HP [hp]
IV					02	SuctT	Suction Temperature [°C]
PIV					03	EVOp1	EV opening 1 [pls]
PIV					04	EVOp3	EV opening 3 [pls]
PIV					05	DschTInv	Disch. temp.(INV) [°C]
PIV					06	InvFinT	Inverter fin temp. [°C]
PIV					07	InvCur	Inverter current [A]
BI					08	Comp1Inv	Compressor1(INV)
BI					09	OiRtrn	Oil return
BI					10	HotGas	Hot Gas
BI					11	CcH1	CH1:Crankcase Heater
BI					12	SoftStrt	Soft start



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			13	ResrtStby	Restart stand-by		
BI			14	ErrState	Unit Error stat		
BI			15	HiPRtry	High pressure retry		
BI			16	LoPRtry	Low pressure retry		
BI			17	DschPipRtry	Disch. pipe retry		
BI			18	4WayVlv	4-way valve		
BI			19	4WayVlv2	4-way valve 2		
BI			20	HiPStpDnCtl	H.P. stepping down cntl		
BI			21	LoPStpDnCtl	L.P. stepping down cntl		
BI			22	DmndStpDnCtl	Demand stepping down cntl		
BI			23	InvRtry	INV retry		
BI			24	InvDschStpDnCtl	INV Disch. stepping down cntl		
BI			25	InvOCStpDnCtl	INV OC stepping down cntl		
BI			26	InvFinStpDnCtl	INV Fin stepping down cntl		
BI			27	RcvrGasIn	SVL:Receiver gas in		
BI			28	RcvrGasOut	SVG:Receiver gas out		
BI			29	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close		
BI			30	Pump	Y2M:Pump		
BI			31	OilRecover	Y2S:Oil recovery		
BI			32	InvCoolFan	M1F:INV cool fan		
IV			33	CoilT	R4T :Coil temp. [°C]		
IV			34	ScCilExtT	Subcooling Coil exit Temp. [°C]		
IV			35	EvT	Evaporating Temperature [°C]		
IV			36	CndT	Condensing Temperature [°C]		
IV			37	EVLiqT	EV liquid pipe temp. [°C]		
PIV			38	InvRS	Inverter Revolution Speed [rps]		
PIV			39	FanStp	Fan step		

• VRV-4W3-WATER(RWEYQ8-14T9Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
IV			02	AmbT	Ambient temperature [°C]		
IV			03	EvT	Evaporating Temperature [°C]		
IV			04	CndT	Condensing Temperature [°C]		
PIV			05	InvRotAmnt	Inverter Rotation Amount [rps]		
PIV			06	EVMnLiq	Expansion valve main liquid [pls]		
PIV			07	EVSc	Expansion valve sub-cool [pls]		
PIV			08	EVPrq	Expansion valve purge [pls]		
PIV			09	DschTInv	Disch. temp.(INV) [°C]		
IV			10	AccInltT	Accumulator Inlet Temp VRV3 [°C]		
IV			11	RcvrLiqT	Receiver Liquid Temp. [°C]		
PIV			12	InvFinT	Inverter fin temp. [°C]		
PIV			13	InvCur	Inverter current [A]		
BI			14	Comp1Inv	Compressor1(INV)		
BI			15	OiRtrn	Oil return		
BI			16	CcH1	CH1:Crankcase Heater		
BI			17	ResrtStby	Restart stand-by		
BI			18	ErrState	Unit Error stat		
BI			19	HiPRtry	High pressure retry		
BI			20	LoPRtry	Low pressure retry		
BI			21	DschPipRtry	Disch. pipe retry		
BI			22	4WayVlvDualP	4 way valve dual pressure		
BI			23	4WayVlvPHE	4 way valve PHE		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			24	HotGasLiqInjct	Hot gas liquid injection		
BI			25	HiPStpDnCtl	H.P. stepping down cntl		
BI			26	LoPStpDnCtl	L.P. stepping down cntl		
BI			27	DmndStpDnCtl	Demand stepping down cntl		
BI			28	InvDschStpDnCtl	INV Disch. stepping down cntl		
BI			29	InvOCStpDnCtl	INV OC stepping down cntl		
BI			30	InvFinStpDnCtl	INV Fin stepping down cntl		
BI			31	InvStby	INV stand-by		
BI			32	Pump	Y2M:Pump		
BI			33	InvCoolFan	M1F:INV cool fan		
BI			34	StrtupCtl	Startup control		
BI			35	OiRtrnAcc	Oil return accumulator		
BI			36	GasScPrg	Gas SC and purge		
BI			37	MainLiq	Main liquid		
BI			38	OiRtrnLiqPHE	Liquid oil return PHE		
BI			39	OiRtrnHotGas	Hot gas oil return		
BI			40	LiqInvCool	Liquid inverter cooling		
IV			41	InvGasOutltCoolT	Gas outlet inverter cooling temp [°C]		
IV			42	GasH20PHET	Gas PHE H20 temp [°C]		
IV			43	GasOutltScPrgT	Gas outlet SC and purge temp [°C]		
IV			44	LiqH20PHET	Liquid PHE H20 temp [°C]		
IV			45	LiqStpVlvT	Liquid stop valve temp [°C]		
IV			46	H20InPHET	H20 in PHE temp [°C]		
IV			47	H20OutPHET	H20 out PHE temp [°C]		
IV			48	LiqEvtScPHET	Liquid EVT SC PHE temp [°C]		
IV			49	InvBodyT	Body compressor temp [°C]		
IV			50	WtrFlowCtl	Water flow control [%]		

• VRV-5QH (RQSP224-775D)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Fan1RotAmnt	Fan 1 rotation amount [rpm]		
PIV			04	Fan2RotAmnt	Fan 2 rotation amount [rpm]		
PIV			05	FanStp	Fan step		
PIV			06	EVOp1	EV opening 1 [pls]		
PIV			07	EVOp2	EV opening 2 [pls]		
PIV			08	EVOp3	EV opening 3 [pls]		
PIV			09	EVOp4	EV4 pls.(receiver gas purge) [pls]		
BI			10	CompInv1	Compressor 1(INV1)		
BI			11	CcH1	CH1:Crankcase Heater		
BI			12	4WayVlv	4-way valve		
BI			13	OiRtrn1	Oil return 1		
BI			14	AccOiRtrn	Accumulator oil return		
BI			15	ErrState	Unit Error stat		
BI			16	DrnPnHtr	Drain pan heater		
BI			17	HiPRtry	High pressure retry		
BI			18	LoPRtry	Low pressure retry		
BI			19	DschPipRtry	Disch. pipe retry		
BI			20	OHStby	Overheating stand-by		
BI			21	Inv1Stby	INV1 stand-by		
BI			22	HiPStpDnCtl	H.P. stepping down cntl		
BI			23	LoPStpDnCtl	L.P. stepping down cntl		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	24					DmndStpDnCtl	Demand stepping down cntl
BI	25					Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl
BI	26					Inv1OCStpDnCtl	INV1 OC stepping down cntl
BI	27					Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI	28					Injct	Injection
BI	29					RfrgAdjInlt	Refrigerant Adjustment Inlet
BI	30					OiReg	Oil regulator
BI	31					OiAdjInlt	Oil Adjustment Inlet
BI	32					HotGas	Hot Gas

• VRV-5QH (RQSP224-775D)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			00			AirNet	AirNet Addr.
IV			01			AmbT	Ambient temperature [°C]
PIV			02			DschTInv1	Discharge pipe temp.(INV1) [°C]
IV			03			EvT	Evaporating Temperature [°C]
IV			04			CndT	Condensing Temperature [°C]
IV			05			HexT	Heat exchanger temp. [°C]
IV			06			HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV			07			ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV			08			ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
IV			09			SuctPipT	Suction pipe temp. [°C]
PIV			10			CompSrfT	Compressor surface temp. [°C]
PIV			11			Inv1Cur	Inv1 current [A]
IV			12			Inv1FinT	INV1 fin temp. [°C]
PIV			13			InvFanCur	INV FAN current [A]
IV			14			ScHexInjctT	Subcooling heat exchanger injection [°C]
IV			15			RfrgChT	Refrigerant charging temp. [°C]

• VRV5-Q/QX (RQYP140-1180D)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			00			AirNet	AirNet Addr.
PIV			01			HP	HP [hp]
PIV			02			Inv1RotAmnt	INV 1 rotation amount [rps]
PIV			03			Fan1RotAmnt	Fan 1 rotation amount [rpm]
PIV			04			Fan2RotAmnt	Fan 2 rotation amount [rpm]
PIV			05			FanStp	Fan step
PIV			06			EVOp1	EV opening 1 [pls]
PIV			07			EVOp2	EV opening 2 [pls]
PIV			08			EVOp3	EV opening 3 [pls]
PIV			09			EVOp4	EV4 pls.(receiver gas purge) [pls]
BI			10			CompInv1	Compressor 1(INV1)
BI			11			CcH1	CH1:Crankcase Heater
BI			12			4WayVlv	4-way valve
BI			13			OiRtrn1	Oil return 1
BI			14			AccOiRtrn	Accumulator oil return
BI			15			OiRtrn2	Oil return 2
BI			16			ErrState	Unit Error stat
BI			17			DrnPnHtr	Drain pan heater
BI			18			HiPRtry	High pressure retry
BI			19			LoPRtry	Low pressure retry



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI		20				DschPipRtry	Disch. pipe retry
BI		21				OHStby	Overheating stand-by
BI		22				Inv1Stby	INV1 stand-by
BI		23				HiPStpDnCtl	H.P. stepping down cntl
BI		24				LoPStpDnCtl	L.P. stepping down cntl
BI		25				DmndStpDnCtl	Demand stepping down cntl
BI		26				Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl
BI		27				Inv1OCStpDnCtl	INV1 OC stepping down cntl
BI		28				Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI		29				RfrgAdjHotGas	Refrigerant Adjuster Hot Gas
BI		30				OiAdjHotGas	Oil Adjuster Hot Gas
BI		31				OiRtrnCir	Oil Return Circuit

• VRV5-Q/QX (RQYP140-1180D)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	00					AirNet	AirNet Addr.
IV	01					AmbT	Ambient temperature [°C]
PIV	02					DschTInv1	Discharge pipe temp.(INV1) [°C]
IV	03					EvT	Evaporating Temperature [°C]
IV	04					CndT	Condensing Temperature [°C]
IV	05					HexT	Heat exchanger temp. [°C]
IV	06					HexLiqT1	Heat exchanger liquid pipe temp. 1 [°C]
IV	07					HexLiqT2	Heat exchanger liquid pipe temp. 2 [°C]
IV	08					ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV	09					ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
PIV	10					CompSrfT	Compressor surface temp. [°C]
IV	11					AccInltT	Accumulator inlet temp. [°C]
PIV	12					Inv1Cur	Inv1 current [A]
IV	13					Inv1FinT	INV1 fin temp. [°C]
PIV	14					InvFanCur	INV FAN current [A]
IV	15					ScHexInjctT	Subcooling heat exchanger injection [°C]
IV	16					RfrqChT	Refrigerant charging temp. [°C]

• VRV6-Q/QX(F) (RQYP224-1180F)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	FanStp	Fan step		
AI			05	EVOp1	EV opening 1 [%]		
AI			06	EVOp2	EV opening 2 [%]		
AI			07	EVOp3	EV opening 3 [%]		
AI			08	EVOp4	EV opening 4 [%]		
BI			09	CompInv1	Compressor 1(INV1)		
BI			10	CompInv2	Compressor 2(INV2)		
BI			11	CcH1	CH1:Crankcase Heater		
BI			12	CcH2	CH2:Crankcase Heater		
BI			13	4WayVlv	4-way valve		
BI			14	OiRtrn1	Oil return 1		
BI			15	AccOiRtrn	Accumulator oil return		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			16	OiRtn2	Oil return 2		
BI			17	ErrState	Unit Error stat		
BI			18	Injct	Injection		
BI			19	RfrgAdjGasInlt	Refrigerant Adjuster Gas Inlet		
BI			20	HiPRtry	High pressure retry		
BI			21	LoPRtry	Low pressure retry		
BI			22	DschPipRtry	Disch. pipe retry		
BI			23	OHStby	Overheating stand-by		
BI			24	Inv1Stby	INV1 stand-by		
BI			25	Inv2Stby	INV2 stand-by		
BI			26	HiPStpDnCtl	H.P. stepping down cntl		
BI			27	LoPStpDnCtl	L.P. stepping down cntl		
BI			28	DmndStpDnCtl	Demand stepping down cntl		
BI			29	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl		
BI			30	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl		
BI			31	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl		
BI			32	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl		
BI			33	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			34	Inv2FinStpDnCtl	INV2 Fin stepping down cntl		
AI			35	Comp1Cur	Comp.1 current [A]		
AI			36	Comp2Cur	Comp.2 current [A]		
AI			37	InvFanSecCur	INV fan secondary current [A]		
IV			38	Inv1T	INV1 temperatute [°C]		
IV			39	Inv2T	INV2 temperatute [°C]		

- VRV6-Q/QX(F) (RQYP224-1180F)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
IV			01	AmbT	Ambient temperature [°C]		
PIV			02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]		
PIV			03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]		
AI			04	EvT	Evaporating temp [°C]		
AI			05	CndT	Condensing temp [°C]		
IV			06	HexT1	Standard heat exchanget temp. 1 [°C]		
IV			07	HexT2	Standard heat exchanget temp. 2 [°C]		
IV			08	HexGasT1	Heat exchanger gas pipe temp. 1 [°C]		
IV			09	HexGasT2	Heat exchanger gas pipe temp. 2 [°C]		
AI			10	HexLiqT1	Heat exchanger liquid pipe temp. 1 [°C]		
AI			11	HexLiqT2	Heat exchanger liquid pipe temp. 2 [°C]		
IV			12	ScHexGasT	Subcooling heat exchanger gas temp. [°C]		
AI			13	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]		
AI			14	SuctT	Suction Temperature [°C]		
IV			15	HexTAdd1	Additional heat exchanger temp 1 [°C]		
IV			16	HexTAdd2	Additional heat exchanger temp 2 [°C]		
PIV			17	Inv1OvhtPrtT	Compressor 1 overheat protection [°C]		
PIV			18	Inv2OvhtPrtT	Compressor 2 overheat protection [°C]		
IV			19	ScHexInjctT	Subcooling heat exchanger injection [°C]		
IV			20	EVMOutLiqT	EVM Outlet Liquid Pipe Temperature [°C]		
IV			21	RfrqChT	Refrigerant charging temp. [°C]		

- Ve-up3Q(RQYP140-900A)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
IV			02	AmbT	Ambient temperature [°C]		
IV			03	SuctT	Suction Temperature [°C]		
IV			04	EvT	Evaporating Temperature [°C]		
IV			05	CndT	Condensing Temperature [°C]		
PIV			06	InvRS	Inverter Revolution Speed [rps]		
PIV			07	EVOp1	EV opening 1 [pls]		
PIV			08	EVOp2	EV opening 2 [pls]		
PIV			09	CTSTD1	CT1 (STD1) [A]		
PIV			10	CTSTD2	CT2 (STD2) [A]		
PIV			11	FanStp	Fan step		
PIV			12	DschTInv	Disch. temp.(INV) [°C]		
PIV			13	DschTStd1	Disch. temp.(STD1) [°C]		
PIV			14	DschTStd2	Disch. temp.(STD2) [°C]		
IV			15	RcvrLiqT	Receiver Liquid Temp. [°C]		
PIV			16	InvFinT	Inverter fin temp. [°C]		
PIV			17	InvCur	Inverter current [A]		
PIV			18	InvFanCur	INV FAN current [A]		
IV			19	HexT	Heat exchanger temp. [°C]		
IV			20	RcvrLiqLvl1T	Receiver liquid level 1 temp [°C]		
IV			21	RcvrLiqLvl2T	Receiver liquid level 2 temp [°C]		
IV			22	RfrgRegLiqT	Refrigerant regulator liquid pipe temp [°C]		
IV			23	HexOutltScT	Heat exchanger outlet subcool temp [°C]		
BI			24	Comp1Inv	Compressor1(INV)		
BI			25	Comp2Std1	Compressor2(STD1)		
BI			26	Comp3Std2	Compressor3(STD2)		
BI			27	OiRtrn	Oil return		
BI			28	HotGas	Hot Gas		
BI			29	CcH1	CH1:Crankcase Heater		
BI			30	CcH2	CH2:Crankcase Heater		
BI			31	CcH3	CH3:Crankcase Heater		
BI			32	SoftStrt	Soft start		
BI			33	ResrtStby	Restart stand-by		
BI			34	ErrState	Unit Error stat		
BI			35	EnrgyCutOutp	Energy cut output		
BI			36	HiPRtry	High pressure retry		
BI			37	LoPRtry	Low pressure retry		
BI			38	DschPipRtry	Disch. pipe retry		
BI			39	4WayVlv	4-way valve		
BI			40	4WayVlv2	4-way valve 2		
BI			41	Dfrst	Defrost		
BI			42	HiPStpDnCtl	H.P. stepping down cntl		
BI			43	LoPStpDnCtl	L.P. stepping down cntl		
BI			44	InvRtry	INV retry		
BI			45	InvDschStpDnCtl	INV Disch. stepping down cntl		
BI			46	InvOCStpDnCtl	INV OC stepping down cntl		
BI			47	InvFinStpDnCtl	INV Fin stepping down cntl		
BI			48	Std1DschStpDnCtl	STD1 Disch. stepping down cntl		
BI			49	Std1OCStpDnCtl	STD1 OC stepping down cntl		
BI			50	Std2DschStpDnCtl	STD2 Disch. stepping down cntl		
BI			51	Std2OCStpDnCtl	STD2 OC stepping down cntl		
BI			52	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close		
BI			53	RcvrGasPrg	Receiver Ggas purge		
BI			54	RtrnOi	Return oil		

- Ve-upQb (RQYP224-1180B,RXUP224-690B)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			00	AirNet	AirNet Addr.		
PIV			01	HP	HP [hp]		
PIV			02	Inv1RotAmnt	INV 1 rotation amount [rps]		
PIV			03	Inv2RotAmnt	INV 2 rotation amount [rps]		
PIV			04	FanStp	Fan step		
PIV			05	EVOp1	EV opening 1 [pls]		
PIV			06	EVOp2	EV opening 2 [pls]		
PIV			07	EVOp3	EV opening 3 [pls]		
BI			08	CompInv1	Compressor 1(INV1)		
BI			09	CompInv2	Compressor 2(INV2)		
BI			10	CcH1	CH1:Crankcase Heater		
BI			11	CcH2	CH2:Crankcase Heater		
BI			12	4WayVlv	4-way valve		
BI			13	OiRtrn1	Oil return 1		
BI			14	AccOiRtrn	Accumulator oil return		
BI			15	OiRtrn2	Oil return 2		
BI			16	ErrState	Unit Error stat		
BI			17	DrnPanHtr	Drain pan heater		
BI			18	EnrgyCutOutp	Energy cut output		
BI			19	HiPRtry	High pressure retry		
BI			20	LoPRtry	Low pressure retry		
BI			21	DschPipRtry	Disch. pipe retry		
BI			22	OHStby	Overheating stand-by		
BI			23	Inv1Stby	INV1 stand-by		
BI			24	Inv2Stby	INV2 stand-by		
BI			25	HiPStpDnCtl	H.P. stepping down cntl		
BI			26	LoPStpDnCtl	L.P. stepping down cntl		
BI			27	DmndStpDnCtl	Demand stepping down cntl		
BI			28	Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl		
BI			29	Inv2DschStpDnCtl	Inv2 Disch. stepping down cntl		
BI			30	Inv1CurDroCtl	Inverter 1 current droop control		
BI			31	Inv2CurDroCtl	Inverter 2 current droop control		
BI			32	Inv1FinStpDnCtl	INV1 Fin stepping down cntl		
BI			33	Inv2FinStpDnCtl	INV2 Fin stepping down cntl		
BI			34	RfrgAdjHotGas	Refrigerant Adjuster Hot Gas		
BI			35	OiAdjHotGas	Oil Adjuster Hot Gas		
BI			36	OiRtrnCir	Oil Return Circuit		
BI			37	Byp	Bypass		
BI			38	OiRcvrCir1	Oil recovery circuit 1		
BI			39	OiRcvrCir2	Oil recovery circuit 2		
BI			40	OiRegGas1	Oil regulator gas vent 1		
BI			41	OiRegGas2	Oil regulator gas vent 2		

• **Ve-up4Q(RQYP140-1180C,RQUP224-690C)**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV				00		AirNet	AirNet Addr.
PIV				01		HP	HP [hp]
PIV				02		Inv1RotAmnt	INV 1 rotation amount [rps]
PIV				03		Inv2RotAmnt	INV 2 rotation amount [rps]
PIV				04		FanStp	Fan step
PIV				05		EVOp1	EV opening 1 [pls]
PIV				06		EVOp2	EV opening 2 [pls]
PIV				07		EVOp3	EV opening 3 [pls]
BI				08		CompInv1	Compressor 1(INV1)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
BI				09		CompInv2	Compressor 2(INV2)
BI				10		CcH1	CH1:Crankcase Heater
BI				11		CcH2	CH2:Crankcase Heater
BI				12		4WayVlv	4-way valve
BI				13		OiRtn1	Oil return 1
BI				14		AccOiRtn	Accumulator oil return
BI				15		OiRtn2	Oil return 2
BI				16		ErrState	Unit Error stat
BI				17		DrnPanHtr	Drain pan heater
BI				18		EnrgyCutOutp	Energy cut output
BI				19		HiPRtry	High pressure retry
BI				20		LoPRtry	Low pressure retry
BI				21		DschPipRtry	Disch. pipe retry
BI				22		OHStby	Overheating stand-by
BI				23		Inv1Stby	INV1 stand-by
BI				24		Inv2Stby	INV2 stand-by
BI				25		HiPStpDnCtl	H.P. stepping down cntl
BI				26		LoPStpDnCtl	L.P. stepping down cntl
BI				27		DmndStpDnCtl	Demand stepping down cntl
BI				28		Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl
BI				29		Inv2DschStpDnCtl	Inv2 Disch. stepping down cntl
BI				30		Inv1CurDroCtl	Inverter 1 current droop control
BI				31		Inv2CurDroCtl	Inverter 2 current droop control
BI				32		Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI				33		Inv2FinStpDnCtl	INV2 Fin stepping down cntl
BI				34		RfrgAdjHotGas	Refrigerant Adjuster Hot Gas
BI				35		OiAdjHotGas	Oil Adjuster Hot Gas
BI				36		OiRtnCir	Oil Return Circuit
BI				37		InvPwrSup	Inverter Power Supply

• **Ve-up4Q(RQYP140-1180C,RQUP224-690C)**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV			00			AirNet	AirNet Addr.
IV			01			AmbT	Ambient temperature [°C]
PIV			02			DschTInv1	Discharge pipe temp.(INV1) [°C]
PIV			03			DschTInv2	Discharge pipe temp.(INV2) [°C]
IV			04			EvT	Evaporating Temperature [°C]
IV			05			CndT	Condensing Temperature [°C]
IV			06			HexT	Heat exchanger temp. [°C]
IV			07			HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV			08			ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV			09			ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
PIV			10			CompSrfT	Compressor surface temp. [°C]
IV			11			AccInltT	Accumulator inlet temp. [°C]
PIV			12			Inv1Cur	Inv1 current [A]
PIV			13			Inv2Cur	Inv2 current [A]
IV			14			Inv1FinT	INV1 fin temp. [°C]
IV			15			Inv2FinT	INV2 fin temp. [°C]
PIV			16			InvFanCur	INV FAN current [A]
IV			17			RfrgChT	Refrigerant charging temp. [°C]



3.2.1.4 DK PRO Enumerated Parameters

- Demand state (DmndState)

Value	Description
0	OFF
1	DEMAND1
2	DEMAND2
3	DEMAND3

3.2.2 Gree GMV5

3.2.2.1 Gree GMV5 PRO Indoor Units

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Model	Indoor model name string
PIV				01		GenVer	General Protocol Version
PIV				02		UnitVer	Unit Protocol Version
PIV				03		PwrTp	Power Type
AI				04		RatedCap	Rated Capacity
IV				05		InPipT	Inlet Pipe Temp
IV				06		OutPipT	Outlet Pipe Temp
IV				07		OutAirT	Outlet Air Temp
PIV				08		EXV	EXV Status
BI				09		AuxE-Htr	Aux E-heater
BI				10		Ms/Sl	Master IDU
BI				11		SolVlvHt	Solenoid valve of heating
BI				12		LoPrsSolVlv	Low pressure of solenoid valve
BI				13		BpsSolVlv	By-pass solenoid valve

3.2.2.2 Gree GMV5 PRO Outdoor Units

- GMV5C

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00			Type	Outdoor Unit Type Name
AI			01			RatedCap	Rated capacity [kW]
PIV			02			MsSl	Master-Slave status
PIV			03			GenVer	General protocol version
PIV			04			UnitVer	Unit protocol version
PIV			05			PwrTp	Power type
PIV			06			FanTp	Fan type
PIV			07			FanEmerg	Fan emergency status
IV			08			AmbT	Outdoor ambient temperature [°C]
PIV			09			Comp1OpFreq	Compressor 1 operation frequency [Hz]
PIV			10			Comp2OpFreq	Compressor 2 operation frequency [Hz]
PIV			11			Fan1OpFreq	Fan1 operation frequency [Hz]
PIV			12			Fan2OpFreq	Fan2 operation frequency [Hz]
IV			13			MdHiPrs	Module high pressure [°C]
IV			14			MdLoPrs	Module low pressure [°C]
IV			15			Comp1DisT	Compressor 1 discharge temperature [°C]
IV			16			Comp1TpCvrT	Compressor 1 top cover temperature [°C]
IV			17			Comp2DisT	Compressor 2 discharge temperature [°C]
IV			18			Comp2TpCvrT	Compressor 2 top cover temperature [°C]



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
IV	19		DfrsT1	Defrosting temperature 1 [°C]			
IV	20		SbclLiqOutT	Subcooler liquid outlet temperature [°C]			
IV	21		SbclGsOutT	Subcooler gas outlet temperature [°C]			
IV	22		GsSepInTubT	Gas separator inlet tube temperature [°C]			
IV	23		GsSepOutTubT	Gas separator outlet tube temperature [°C]			
PIV	24		HtEXV	ODU heating EXV [PIs]			
PIV	25		FanStcPrsMd	Outdoor fan static pressure mode			
BI	26		Comp1	Compressor 1 status			
BI	27		Comp2	Compressor 2 status			
BI	28		4WayVlv1	4-way valve1 status			
BI	29		LoPrsMsrVlv	Low pressure measure valve			
AI	30		Comp1Cur	Compressor 1 current [A]			
PIV	31		Comp1BsbV	Compressor 1 busbar voltage [V]			
IV	32		Comp1MdIT	Compressor 1 module temperature [°C]			
AI	33		Fan1Cur	Fan1 current [A]			
PIV	34		Fan1BsbV	Fan1 busbar voltage [V]			
IV	35		Fan1MdIT	Fan1 module temperature [°C]			
AI	36		Comp2Cur	Compressor 2 current [A]			
AI	37		Fan2Cur	Fan2 current [A]			
PIV	38		Fan2BsbV	Fan2 busbar voltage [V]			
IV	39		Fan2MdIT	Fan2 module temperature [°C]			
PIV	40		SbclEXV	Subcooler EXV [PIs]			

• GMV5

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV		00	Type		Outdoor Unit Type Name		
AI		01	RatedCap		Rated capacity [kW]		
PIV		02	MsSl		Master-Slave status		
PIV		03	GenVer		General protocol version		
PIV		04	UnitVer		Unit protocol version		
PIV		05	PwrTp		Power type		
PIV		06	FanTp		Fan type		
PIV		07	FanEmerg		Fan emergency status		
IV		08	AmbT		Outdoor ambient temperature [°C]		
PIV		09	Comp1OpFreq		Compressor 1 operation frequency [Hz]		
PIV		10	Comp2OpFreq		Compressor 2 operation frequency [Hz]		
PIV		11	Fan1OpFreq		Fan1 operation frequency [Hz]		
PIV		12	Fan2OpFreq		Fan2 operation frequency [Hz]		
IV		13	MdlHiPrs		Module high pressure [°C]		
IV		14	MdlLoPrs		Module low pressure [°C]		
IV		15	Comp1DisT		Compressor 1 discharge temperature [°C]		
IV		16	Comp1TpCvrT		Compressor 1 top cover temperature [°C]		
IV		17	Comp2DisT		Compressor 2 discharge temperature [°C]		
IV		18	Comp2TpCvrT		Compressor 2 top cover temperature [°C]		
IV		19	DfrsT1		Defrosting temperature 1 [°C]		
IV		20	SbclLiqOutT		Subcooler liquid outlet temperature [°C]		
IV		21	SbclGsOutT		Subcooler gas outlet temperature [°C]		
IV		22	GsSepInTubT		Gas separator inlet tube temperature [°C]		
IV		23	GsSepOutTubT		Gas separator outlet tube temperature [°C]		
PIV		24	HtEXV		ODU heating EXV [PIs]		
PIV		25	FanStcPrsMd		Outdoor fan static pressure mode		
BI		26	Comp1		Compressor 1 status		
BI		27	Comp2		Compressor 2 status		
BI		28	4WayVlv1		4-way valve1 status		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			29	LoPrsMsrvlv	Low pressure measure valve		
AI			30	Comp1Cur	Compressor 1 current [A]		
PIV			31	Comp1BsbV	Compressor 1 busbar voltage [V]		
IV			32	Comp1MdlT	Compressor 1 module temperature [°C]		
AI			33	Fan1Cur	Fan1 current [A]		
PIV			34	Fan1BsbV	Fan1 busbar voltage [V]		
IV			35	Fan1MdlT	Fan1 module temperature [°C]		
AI			36	Comp2Cur	Compressor 2 current [A]		
PIV			37	Comp2BsbV	Compressor 2 busbar voltage [V]		
IV			38	Comp2MdlT	Compressor 2 module temperature [°C]		
AI			39	Fan2Cur	Fan2 current [A]		
PIV			40	Fan2BsbV	Fan2 busbar voltage [V]		
IV			41	Fan2MdlT	Fan2 module temperature [°C]		
PIV			42	SbclEXV	Subcooler EXV [PIs]		

• GMV5 mini

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	RatedCap	Rated capacity [kW]		
PIV			02	GenVer	General protocol version		
PIV			03	UnitVer	Unit protocol version		
PIV			04	PwrTp	Power type		
IV			05	AmbT	Outdoor ambient temperature [°C]		
PIV			06	Comp1OpFreq	Compressor 1 operation frequency [Hz]		
IV			07	MdlHiPrs	Module high pressure [°C]		
IV			08	MdlLoPrs	Module low pressure [°C]		
IV			09	Comp1DisT	Compressor 1 discharge temperature [°C]		
IV			10	DfrsT1	Defrosting temperature 1 [°C]		
IV			11	SbclLiqOutT	Subcooler liquid outlet temperature [°C]		
IV			12	SbclGsOutT	Subcooler gas outlet temperature [°C]		
IV			13	GsSepInTubT	Gas separator inlet tube temperature [°C]		
IV			14	GsSepOutTubT	Gas separator outlet tube temperature [°C]		
PIV			15	HtEXV	ODU heating EXV [PIs]		
BI			16	Comp1	Compressor 1 status		
BI			17	4WayVlv1	4-way valve1 status		
BI			18	OiRtVlv1	Oil return valve 1		
BI			19	RefqnRcvy	Refrigerant recovering		
BI			20	GsBpsVlv	Gas bypass valve status		
BI			21	SolVlvA	Solenoid valve A		
BI			22	SolVlvB	Solenoid valve B		
BI			23	Comp1E-Ht	Compressor 1 e-heater		
BI			24	ChasE-Ht	Chassis e-heater		
BI			25	RstCompl	Reset completed		
AI			26	Comp1Cur	Compressor 1 current [A]		
PIV			27	Comp1BsbV	Compressor 1 busbar voltage [V]		
IV			28	Comp1MdlT	Compressor 1 module temperature [°C]		
PIV			29	SbclEXV	Subcooler EXV [PIs]		
BI			30	Comp1WkMq	Compressor 1 weak magnetism		
BI			31	Comp1LimFreq	Compressor 1 drive module limited frequency		
BI			32	Comp1LoFreq	Compressor 1 drive module lower frequency		
BI			33	Comp1PwrSrc	Compressor 1 drive AC input power source		
AI			34	DistCab	Distribution capability [kW]		
PIV			35	Comp1TgtFreq	Comp1 target frequency [Hz]		
PIV			36	Fan1TgtFreq	Fan1 target frequency [Hz]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV			37	Fan2TgtFreq		Fan2 target frequency [Hz]	
PIV			38	MdlAbsHp		Module absolute high pressure [kPa]	
PIV			39	MdlAbsLp		Module absolute low pressure [kPa]	
IV			40	HtExGsOutT		Heat exchanger gas outlet temperature [°C]	
AI			41	Comp1InCur		Comp1 input current [A]	
PIV			42	Comp1UCur		Comp1 U phase current [A]	
PIV			43	Comp1VCur		Comp1 V phase current [A]	
IV			44	Comp1PfcT		Compressor 1 drive PFC temperature [°C]	
IV			45	Comp1EBoxT		Compressor 1 drive electric box temperature [°C]	
PIV			46	Comp1Dev		Compressor 1 device status	
PIV			47	Comp1Wrk		Compressor 1 work status	

• VRF Home(S)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV		00	Type	Outdoor Unit Type Name			
AI		01	RatedCap	Rated capacity [kW]			
PIV		02	GenVer	General protocol version			
PIV		03	UnitVer	Unit protocol version			
PIV		04	PwrTp	Power type			
IV		05	AmbT	Outdoor ambient temperature [°C]			
PIV		06	Comp1OpFreq	Compressor 1 operation frequency [Hz]			
IV		07	MdlHiPrs	Module high pressure [°C]			
IV		08	MdlLoPrs	Module low pressure [°C]			
IV		09	Comp1DisT	Compressor 1 discharge temperature [°C]			
IV		10	DfrsT1	Defrosting temperature 1 [°C]			
IV		11	SbclLiqOutT	Subcooler liquid outlet temperature [°C]			
IV		12	SbclGsOutT	Subcooler gas outlet temperature [°C]			
IV		13	GsSepInTubT	Gas separator inlet tube temperature [°C]			
IV		14	GsSepOutTubT	Gas separator outlet tube temperature [°C]			
PIV		15	HtEXV	ODU heating EXV [PIs]			
BI		16	Comp1	Compressor 1 status			
BI		17	4WayVlv1	4-way valve1 status			
BI		18	OiRtVlv1	Oil return valve 1			
BI		19	RefgnRcvy	Refrigerant recovering			
BI		20	GsBpsVlv	Gas bypass valve status			
BI		21	Comp1E-Ht	Compressor 1 e-heater			
BI		22	ChasE-Ht	Chassis e-heater			
BI		23	RstCompl	Reset completed			
BI		24	2WayVlv	2-way valve status			
AI		25	Comp1Cur	Compressor 1 current [A]			
PIV		26	Comp1BsbV	Compressor 1 busbar voltage [V]			
IV		27	Comp1MdlT	Compressor 1 module temperature [°C]			
PIV		28	SbclEXV	Subcooler EXV [PIs]			
BI		29	Comp1WkMg	Compressor 1 weak magnetism			
BI		30	Comp1LimFreq	Compressor 1 drive module limited frequency			
BI		31	Comp1LoFreq	Compressor 1 drive module lower frequency			
BI		32	Comp1PwrSrc	Compressor 1 drive AC input power source			
AI		33	DistCab	Distribution capability [kW]			
PIV		34	Comp1TgtFreq	Comp1 target frequency [Hz]			
PIV		35	Fan1TgtFreq	Fan1 target frequency [Hz]			
PIV		36	Fan2TgtFreq	Fan2 target frequency [Hz]			
PIV		37	MdlAbsHp	Module absolute high pressure [kPa]			
PIV		38	MdlAbsLp	Module absolute low pressure [kPa]			
IV		39	HtExGsOutT	Heat exchanger gas outlet temperature [°C]			



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
AI				40		Comp1InCur	Comp1 input current [A]
PIV				41		Comp1UCur	Comp1 U phase current [A]
PIV				42		Comp1VCur	Comp1 V phase current [A]
IV				43		Comp1PfcT	Compressor 1 drive PFC temperature [°C]
IV				44		Comp1EBoxT	Compressor 1 drive electric box temperature [°C]
PIV				45		Comp1Dev	Compressor 1 device status
PIV				46		Comp1Wrk	Compressor 1 work status

• GMV5 HR

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	RatedCap	Rated capacity [kW]		
PIV			02	MsSl	Master-Slave status		
PIV			03	GenVer	General protocol version		
PIV			04	UnitVer	Unit protocol version		
PIV			05	PwrTp	Power type		
PIV			06	FanTp	Fan type		
PIV			07	FanEmerg	Fan emergency status		
IV			08	AmbT	Outdoor ambient temperature [°C]		
PIV			09	Comp1OpFreq	Compressor 1 operation frequency [Hz]		
PIV			10	Comp2OpFreq	Compressor 2 operation frequency [Hz]		
PIV			11	Fan1OpFreq	Fan1 operation frequency [Hz]		
PIV			12	Fan2OpFreq	Fan2 operation frequency [Hz]		
IV			13	MdlHiPrs	Module high pressure [°C]		
IV			14	MdlLoPrs	Module low pressure [°C]		
IV			15	Comp1DisT	Compressor 1 discharge temperature [°C]		
IV			16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]		
IV			17	Comp2DisT	Compressor 2 discharge temperature [°C]		
IV			18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]		
IV			19	DfrsT1	Defrosting temperature 1 [°C]		
IV			20	SbclLiqOutT	Subcooler liquid outlet temperature [°C]		
IV			21	SbclGsOutT	Subcooler gas outlet temperature [°C]		
IV			22	GsSepInTubT	Gas separator inlet tube temperature [°C]		
IV			23	GsSepOutTubT	Gas separator outlet tube temperature [°C]		
PIV			24	HtEXV	ODU heating EXV [PIs]		
PIV			25	FanStcPrsMd	Outdoor fan static pressure mode		
BI			26	Comp1	Compressor 1 status		
BI			27	Comp2	Compressor 2 status		
BI			28	4WayVlv1	4-way valve1 status		
BI			29	LoPrsMsrVlv	Low pressure measure valve		
BI			30	4WayVlv2	4-way valve2 status		
BI			31	OiRtVlv1	Oil return valve 1		
BI			32	OiRtVlv2	Oil return valve 2		
AI			33	Comp1Cur	Compressor 1 current [A]		
PIV			34	Comp1BsbV	Compressor 1 busbar voltage [V]		
IV			35	Comp1MdlT	Compressor 1 module temperature [°C]		
AI			36	Fan1Cur	Fan1 current [A]		
PIV			37	Fan1BsbV	Fan1 busbar voltage [V]		
IV			38	Fan1MdlT	Fan1 module temperature [°C]		
AI			39	Comp2Cur	Compressor 2 current [A]		
PIV			40	Comp2BsbV	Compressor 2 busbar voltage [V]		
IV			41	Comp2MdlT	Compressor 2 module temperature [°C]		
AI			42	Fan2Cur	Fan2 current [A]		
PIV			43	Fan2BsbV	Fan2 busbar voltage [V]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
IV	44					Fan2MdlT	Fan2 module temperature [°C]
IV	45					Comp1OiRtT	Compressor 1 oil return temperature [°C]
IV	46					Comp2OiRtT	Compressor 2 oil return temperature [°C]
PIV	47					SbclEXV	Subcooler EXV [PIs]

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	RatedCap	Rated capacity [kW]		
PIV			02	MsSl	Master-Slave status		
PIV			03	GenVer	General protocol version		
PIV			04	UnitVer	Unit protocol version		
PIV			05	PwrTp	Power type		
PIV			06	FanTp	Fan type		
PIV			07	FanEmerq	Fan emergency status		
IV			08	AmbT	Outdoor ambient temperature [°C]		
PIV			09	Comp1OpFreq	Compressor 1 operation frequency [Hz]		
PIV			10	Comp2OpFreq	Compressor 2 operation frequency [Hz]		
PIV			11	Fan1OpFreq	Fan1 operation frequency [Hz]		
PIV			12	Fan2OpFreq	Fan2 operation frequency [Hz]		
IV			13	MdlHiPrs	Module high pressure [°C]		
IV			14	MdlLoPrs	Module low pressure [°C]		
IV			15	Comp1DisT	Compressor 1 discharge temperature [°C]		
IV			16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]		
IV			17	Comp2DisT	Compressor 2 discharge temperature [°C]		
IV			18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]		
IV			19	DfrsT1	Defrosting temperature 1 [°C]		
IV			20	SbclLiqOutT	Subcooler liquid outlet temperature [°C]		
IV			21	SbclGsOutT	Subcooler gas outlet temperature [°C]		
IV			22	GsSepInTubT	Gas separator inlet tube temperature [°C]		
IV			23	GsSepOutTubT	Gas separator outlet tube temperature [°C]		
PIV			24	HtEXV	ODU heating EXV [PIs]		
PIV			25	FanStcPrsMd	Outdoor fan static pressure mode		
BI			26	Comp1	Compressor 1 status		
BI			27	Comp2	Compressor 2 status		
BI			28	4WayVlv1	4-way valve1 status		
BI			29	LoPrsMsrVlv	Low pressure measure valve		
BI			30	OiRtVlv1	Oil return valve 1		
BI			31	OiRtVlv2	Oil return valve 2		
BI			32	AuxOiRtVlv1	Auxiliary oil return valve 1		
BI			33	SbclSolVlv	Subcooler solenoid valve		
BI			34	HtGsBpsVlv	Hot-gas by-pass valve		
AI			35	Comp1Cur	Compressor 1 current [A]		
PIV			36	Comp1BsbV	Compressor 1 busbar voltage [V]		
IV			37	Comp1MdlT	Compressor 1 module temperature [°C]		
AI			38	Fan1Cur	Fan1 current [A]		
PIV			39	Fan1BsbV	Fan1 busbar voltage [V]		
IV			40	Fan1MdlT	Fan1 module temperature [°C]		
AI			41	Comp2Cur	Compressor 2 current [A]		
PIV			42	Comp2BsbV	Compressor 2 busbar voltage [V]		
IV			43	Comp2MdlT	Compressor 2 module temperature [°C]		
AI			44	Fan2Cur	Fan2 current [A]		
PIV			45	Fan2BsbV	Fan2 busbar voltage [V]		
IV			46	Fan2MdlT	Fan2 module temperature [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	47					SbclEXV	Subcooler EXV [PIs]
IV	48					SbclGsInT	Subcooler gas inlet temperature [°C]

• VRF6 HR

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
AI	01					RatedCap	Rated capacity [kW]
PIV	02					MsSl	Master-Slave status
PIV	03					GenVer	General protocol version
PIV	04					UnitVer	Unit protocol version
PIV	05					PwrTp	Power type
PIV	06					FanTp	Fan type
PIV	07					FanEmerg	Fan emergency status
IV	08					AmbT	Outdoor ambient temperature [°C]
PIV	09					Comp1OpFreq	Compressor 1 operation frequency [Hz]
PIV	10					Comp2OpFreq	Compressor 2 operation frequency [Hz]
PIV	11					Fan1OpFreq	Fan1 operation frequency [Hz]
PIV	12					Fan2OpFreq	Fan2 operation frequency [Hz]
IV	13					MdlHiPrs	Module high pressure [°C]
IV	14					MdlLoPrs	Module low pressure [°C]
IV	15					Comp1DisT	Compressor 1 discharge temperature [°C]
IV	16					Comp1TpCvrT	Compressor 1 top cover temperature [°C]
IV	17					Comp2DisT	Compressor 2 discharge temperature [°C]
IV	18					Comp2TpCvrT	Compressor 2 top cover temperature [°C]
IV	19					DfrsT1	Defrosting temperature 1 [°C]
IV	20					DfrsT2	Defrosting temperature 2 [°C]
IV	21					SbclLiqOutT	Subcooler liquid outlet temperature [°C]
IV	22					SbclGsOutT	Subcooler gas outlet temperature [°C]
IV	23					GsSepInTubT	Gas separator inlet tube temperature [°C]
IV	24					GsSepOutTubT	Gas separator outlet tube temperature [°C]
PIV	25					HtEXV	ODU heating EXV [PIs]
PIV	26					FanStcPrsMd	Outdoor fan static pressure mode
BI	27					Comp1	Compressor 1 status
BI	28					Comp2	Compressor 2 status
BI	29					4WayVlv1	4-way valve1 status
BI	30					4WayVlv2	4-way valve2 status
BI	31					OiRtVlv1	Oil return valve 1
BI	32					OiRtVlv2	Oil return valve 2
BI	33					HiPrsSolVlv	High pressure solenoid valve
BI	34					LoPrsSolVlv	Low pressure solenoid valve
BI	35					LPBpsSolVlv	ODU low pressure by-pass solenoid valve
BI	36					LiqInVlv	Liquid inlet valve
BI	37					GsBlncVlv	Gas balance valve
BI	38					PrsVlv	Pressure valve
BI	39					HiPrsBpsVlv	HP-bypass valve status
BI	40					AuxOiRtVlv1	Auxiliary oil return valve 1
BI	41					SbclSolVlv	Subcooler solenoid valve
BI	42					HtGsBpsVlv	Hot-gas by-pass valve
AI	43					Comp1Cur	Compressor 1 current [A]
PIV	44					Comp1BsbV	Compressor 1 busbar voltage [V]
IV	45					Comp1MdlT	Compressor 1 module temperature [°C]
AI	46					Fan1Cur	Fan1 current [A]
PIV	47					Fan1BsbV	Fan1 busbar voltage [V]
IV	48					Fan1MdlT	Fan1 module temperature [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI	49				Comp2Cur	Compressor 2 current [A]	
PIV	50				Comp2BsbV	Compressor 2 busbar voltage [V]	
IV	51				Comp2MdlT	Compressor 2 module temperature [°C]	
AI	52				Fan2Cur	Fan2 current [A]	
PIV	53				Fan2BsbV	Fan2 busbar voltage [V]	
IV	54				Fan2MdlT	Fan2 module temperature [°C]	
PIV	55				SbclEXV	Subcooler EXV [PIs]	
IV	56				SbclGsInT	Subcooler gas inlet temperature [°C]	
PIV	57				MdlHiPrsR410A	Module high pressure (R410A) [PSI]	
PIV	58				MdlLoPrsR410A	Module low pressure (R410A) [PSI]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV		00	Type	Outdoor Unit Type Name			
AI		01	RatedCap	Rated capacity [kW]			
PIV		02	MsSl	Master-Slave status			
PIV		03	GenVer	General protocol version			
PIV		04	UnitVer	Unit protocol version			
PIV		05	PwrTp	Power type			
PIV		06	FanTp	Fan type			
PIV		07	FanEmerg	Fan emergency status			
IV		08	AmbT	Outdoor ambient temperature [°C]			
PIV		09	Comp1OpFreq	Compressor 1 operation frequency [Hz]			
PIV		10	Fan1OpFreq	Fan1 operation frequency [Hz]			
PIV		11	Fan2OpFreq	Fan2 operation frequency [Hz]			
IV		12	MdlHiPrs	Module high pressure [°C]			
IV		13	MdlLoPrs	Module low pressure [°C]			
IV		14	Comp1DisT	Compressor 1 discharge temperature [°C]			
IV		15	Comp1TpCvrT	Compressor 1 top cover temperature [°C]			
IV		16	DfrsT1	Defrosting temperature 1 [°C]			
IV		17	SbclLiqOutT	Subcooler liquid outlet temperature [°C]			
IV		18	SbclGsOutT	Subcooler gas outlet temperature [°C]			
IV		19	GsSepInTubT	Gas separator inlet tube temperature [°C]			
IV		20	GsSepOutTubT	Gas separator outlet tube temperature [°C]			
PIV		21	HtEXV	ODU heating EXV [PIs]			
PIV		22	FanStcPrsMd	Outdoor fan static pressure mode			
BI		23	Comp1	Compressor 1 status			
BI		24	4WayVlv1	4-way valve1 status			
BI		25	OiRtVlv1	Oil return valve 1			
BI		26	AuxOiRtVlv1	Auxiliary oil return valve 1			
BI		27	SbclSolVlv	Subcooler solenoid valve			
BI		28	HtGsBpsVlv	Hot-gas by-pass valve			
AI		29	Comp1Cur	Compressor 1 current [A]			
PIV		30	Comp1BsbV	Compressor 1 busbar voltage [V]			
IV		31	Comp1MdlT	Compressor 1 module temperature [°C]			
AI		32	Fan1Cur	Fan1 current [A]			
PIV		33	Fan1BsbV	Fan1 busbar voltage [V]			
IV		34	Fan1MdlT	Fan1 module temperature [°C]			
AI		35	Fan2Cur	Fan2 current [A]			
PIV		36	Fan2BsbV	Fan2 busbar voltage [V]			
IV		37	Fan2MdlT	Fan2 module temperature [°C]			
PIV		38	SbclEXV	Subcooler EXV [PIs]			
IV		39	SbclGsInT	Subcooler gas inlet temperature [°C]			



3.2.2.3 Gree GMV5 PRO Enumerated Parameters

- **Master-Slave status (MsSI)**

Value	Description
0	Null
1	Master
2	Slave 1
3	Slave 2
4	Slave 3

- **Power type (PwrTp)**

Value	Description
0	Null
1	100~115V
2	200~240V
9	50Hz 100~115V
10	50Hz 200~240V
17	60Hz 100~115V
18	60Hz 200~240V
25	??50Hz?60Hz, 100~115V
27	??50Hz?60Hz, 200~240V

- **Fan type (FanTp)**

Value	Description
0	Null
1	PG motor
16	DC motor
17	Tap motor

- **Fan emergency status (FanEmerg)**

Value	Description
0	Null
1	No emergency
2	Fan1 error
3	Fan2 error
4	All fans have errors

- **Outdoor fan static pressure mode (FanStcPrsMd)**

Value	Description
0	Null
1	0 static pressure
2	Static pressure1
3	Static pressure2
4	Static pressure3
5	Static pressure4

- **Compressor 1 drive AC input power source (Comp1PwrSrc)**

Value	Description
0	Single phase
1	Three phase

- **Compressor 1 device status (Comp1Dev)**

Value	Description
0	Stop
1	Running
2	Fault



- **Compressor 1 work status (Comp1Wrk)**

Value	Description
0	Reset
1	Sampling
2	Wait
3	Input
4	Locate
5	Start
6	Running

- **Refrigerant type (RefgnTp)**

Value	Description
0	Null
1	R410A

- **Setting of cooling and heating (Cl&Ht)**

Value	Description
1	Cool only
2	Heating only
3	Cooling and heating
4	Fan only

- **Quiet function setting (QtFunc)**

Value	Description
0	Null
1	Mode0
2	Mode1
3	Mode2
4	Mode3
5	Mode4
6	Mode5
7	Mode6
8	Mode7
9	Mode8
10	Mode9
11	Mode10
12	Mode11
13	Mode12

- **Refrigerant recovery setting (RefgnRcvy)**

Value	Description
1	Indoor refrigerant
2	Module refrigerant

- **Recovery status (Rcvy)**

Value	Description
0	Null
1	Refrigerant recovery
2	Refrigerant recovery completed

- **System energy saving (EnrgSv)**

Value	Description
1	Comfort
2	Energy saving

- **Emergency running mode (EmergRunMd)**



Value	Description
1	None
2	Compressor
3	Fan
4	Module

- **IDU mode priority (IduMdPr)**

Value	Description
0	Null
1	Power-off enabled
2	Power-off disabled
3	First-on priority
4	Priority given to cooling
5	Priority given to heating

- **Flag of non-continous heating (NonContHt)**

Value	Description
0	Continous heating
1	Non-continous heating

- **Running mode (RunMd)**

Value	Description
0	Null
1	Power off
2	Cooling
3	Drying
4	Fan only
5	Heating
6	Master cooling
7	Master heating
8	Complete heat recovery

- **Fan emergency operation mode (FanEmergOpMd)**

Value	Description
0	None
1	Fan 1
2	Fan 2

- **Compressor emergency operation mode (CompEmergOpMd)**

Value	Description
0	None
1	Compressor 1
2	Compressor 2

- **Module emergency operation mode (MdIEmergOpMd)**

Value	Description
0	None
1	Module 1
2	Module 2
3	Module 3
4	Module 4

- **System hot water mode (HtWtrMd)**

Value	Description
0	Null
1	Power off
2	Hot water



Value	Description
3	Floor heating
4	Hot water and floor heat

- **Operation priority (OpPr)**

Value	Description
0	Invalid data
1	Factory default
2	Priority given to air conditioner
3	Priority given to water heating
4	Priority given to floor heating

- **Heating high temperature prevention (HtHiTPrvnt)**

Value	Description
0	Normal
1	High temperature prevention

3.2.3 HT (Hitachi)

3.2.3.1 HT PRO Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	01				iE	Exp. V Opening [%]	
IV	02				Tl	Liquid Pipe Temperature [°C]	
IV	03				Tg	Gas Pipe Temperature [°C]	
IV	04				Ti	Intake Air Temperature [°C]	
IV	05				To	Outdoor calculated mode	
PIV	06				fd	Requested Frequency [Hz]	
IV	07				Tr	Remote Sensor Temperature [°C]	
BI	08				TH	Indoor therm ON status	
BI	09				C8	Thermistor of remote control	
BI	10				Ed	Close EV during Therm OFF in Heat mode	
AI	11				Hp	Capacity [hp]	
BI	12				fs-C8	Capacity [hp]	
BI	13				fs-Ed	Capacity [hp]	

3.2.3.2 HT PRO Outdoor Units

- **Type Code = 9**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	ROMno		Outdoor Control PCB ROM number	
BI			02	Run		Run/Stop	
BI			03	ForDfrst		For Defrost	
BI			04	TstRun		Test Run	
BI			05	Dfrst		Defrost	
BI			06	EnFOff		Enforced Fan Off	
BI			07	EnThOff		Enforced Thermo Off	
PIV			08	RunSt		Run State	
PIV			09	Cyc		Cycle Condition	
PIV			10	ProtLvl		Protection Level	
PIV			11	ProtCd		Protection Code	
PIV			12	INVCD		Inverter Stop Reason Code	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV		13	INVSt		Inverter run state		
PIV		14	FANCD		Fan Con Code		
PIV		15	FANSt		Fan Con State		
PIV		16	Comp1RunTm		Comp1 Run Time [Hr]		
PIV		17	H1		Inverter Comp Frequency [Hz]		
PIV		18	Fo		Air Flow Fan Tap		
PIV		19	oE1		Expansion Valve 1 Opening [%]		
PIV		20	oEB		Bypass Exp.V Opening [%]		
AI		21	Pd		Discharge (high) Pressure [MPa]		
AI		22	Ps		Suction (low) Pressure [MPa]		
PIV		23	Td1		Inverter Compressor 1 Top Temperature [°C]		
IV		24	TdSH		Discharge Gas Superheat [°C]		
IV		25	Te1		Evaporating Temp1 [°C]		
IV		26	Ta		Outdoor Temperature [°C]		
IV		27	Tfin		Inv Fin Temperature [°C]		
AI		28	A12		Inv Comp1 2nd Current x2 [A]		
AI		29	A1		Inverter Compressor Current [A]		
BI		30	C11		Compression Ratio Reduction Prevention Restricted Control		
BI		31	C13		High PR. Increase Prevention Restricted Control		
BI		32	C14		Inverter Module Temp Increase Prevention Restricted Control		
BI		33	C15		Td Increase Prevention Restricted Control		
BI		34	C16		TdSH Reduction Prevention Restricted Control		
BI		35	C17		Overcurrent Prevention Restricted Control		
BI		36	YFAN1		Relay for FAN 1		
BI		37	YFAN3		Relay for FAN 3		
BI		38	YFAN4		Relay for FAN 4		
BI		39	YCH		Relay for Crank Case Heater 1		
BI		40	Y211		Relay for 4Way-Valve 1		
BI		41	Y212		Relay for 4Way-Valve 2		
BI		42	Y20A1		Relay for Gass Bypass 1		
BI		43	Y20A2		Relay for Automatic Charge Solenoid Valve (for Renewal-Mmulti)		
BI		44	Y20F1		Solenoid valve F1/Relay for Oil Back 1		
BI		45	Y20F2		Relay for Oil Back 2		
BI		46	Y20G		Solenoid valve G/Relay for Refrigerant Recovery		
BI		47	Y52C1		Relay for Inverter Compressor		
BI		48	Y52C2		Relay for Compressor2		
BI		49	Y52C3		Relay for Compressor3		
BI		50	Y52C4		Relay for Compressor4		
BI		51	Y52C5		Relay for Compressor5		
PIV		52	Comp2RunTm		Comp2 Run Time [Hr]		
PIV		53	H2		Total Frequency [Hz]		
PIV		54	Td2		Compressor 2 Top Temperature [°C]		
PIV		55	Td		Operating Comp. Top Temperature [°C]		
AI		56	A2		Compressor2 Current [A]		
PIV		57	Comp3RunTm		Comp3 Run Time [Hr]		
PIV		58	Comp4RunTm		Comp4 Run Time [Hr]		
PIV		59	Comp5RunTm		Comp5 Run Time [Hr]		
AI		60	A3		Compressor3 Current [A]		
AI		61	A4		Compressor4 Current [A]		
AI		62	A5		Compressor5 Current [A]		
IV		63	Te2		Evaporating Temp2 [°C]		
IV		64	Te3		Evaporating Temp3 [°C]		
IV		65	Te4		Evaporating Temp4 [°C]		
PIV		66	Td3		Compressor 3 Top Temperature [°C]		
PIV		67	Td4		Compressor 4 Top Temperature [°C]		
PIV		68	Td5		Compressor 5 Top Temperature [°C]		
PIV		69	cc		Run Compressor Quantity		
PIV		70	oE2		Expansion Valve 2 Opening [%]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			71	oE3		Expansion Valve 3 Opening [%]	
PIV			72	oE4		Expansion Valve 4 Opening [%]	
BI			73	Y20A3		Relay for Gass Bypass 3	
BI			74	Y20A4		Relay for Gass Bypass 4	
BI			75	Y20A5		Relay for Gass Bypass 5	
BI			76	Y20D1		Relay for Main Heat Exchange Change1	
BI			77	Y20D2		Relay for Main Heat Exchange Change2	
BI			78	Y20E1		Relay for Sub Heat Exchange Change1	
BI			79	Y20E2		Relay for Sub Heat Exchange Change2	

• Type Code = 3

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	ROMno		Outdoor Control PCB ROM number	
BI			02	Run		Run/Stop	
BI			03	ForDfrst		For Defrost	
BI			04	TstRun		Test Run	
BI			05	Dfrst		Defrost	
BI			06	EnFOff		Enforced Fan Off	
BI			07	EnThOff		Enforced Thermo Off	
PIV			08	RunSt		Run State	
PIV			09	Cyc		Cycle Condition	
PIV			10	ProtLvl		Protection Level	
PIV			11	ProtCd		Protection Code	
PIV			12	INVCD		Inverter Stop Reason Code	
PIV			13	INVSt		Inverter run state	
PIV			14	FANCD		Fan Con Code	
PIV			15	FANSt		Fan Con State	
PIV			16	Comp1RunTm		Comp1 Run Time [Hr]	
PIV			17	H1		Inverter Comp Frequency [Hz]	
PIV			18	Fo		Air Flow Fan Tap	
PIV			19	oE1		Expansion Valve 1 Opening [%]	
PIV			20	oEB		Bypass Exp.V Opening [%]	
AI			21	Pd		Discharge (high) Pressure [MPa]	
AI			22	Ps		Low Pressure [MPa]	
PIV			23	Td1		Inverter Compressor 1 Top Temperature [°C]	
IV			24	Te1		Evaporating Temp1 [°C]	
IV			25	Ta		Outdoor Temperature [°C]	
IV			26	Tfin		Inv Fin Temperature [°C]	
AI			27	A12		Inv Comp1 2nd Current x2 [A]	
AI			28	A1		Inverter Compressor Current [A]	
BI			29	C11		Compression Ratio Reduction Prevention Restricted Control	
BI			30	C13		High PR. Increase Prevention Restricted Control	
BI			31	C14		Inverter Module Temp Increase Prevention Restricted Control	
BI			32	C15		Td Increase Prevention Restricted Control	
BI			33	C16		TdSH Reduction Prevention Restricted Control	
BI			34	C17		Overcurrent Prevention Restricted Control	
BI			35	YFAN1		Relay for FAN 1	
BI			36	YFAN3		Relay for FAN 3	
BI			37	YCH		Relay for Crank Case Heater 1	
BI			38	Y211		Relay for 4Way-Valve 1	
BI			39	Y212		Relay for 4Way-Valve 2	
BI			40	Y20A1		Relay for Gass Bypass 1	
BI			41	Y20F1		Solenoid valve F1/Relay for Oil Back 1	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
BI			42	Y20G		Solenoid valve G/Relay for Refrigerant Recovery	
BI			43	Y52C1		Relay for Inverter Compressor	
BI			44	Y52C2		Relay for Compressor2	
BI			45	Y52C3		Relay for Compressor3	
BI			46	Y52C4		Relay for Compressor4	
BI			47	Y52C5		Relay for Compressor5	
BI			48	Y52C6		Relay for Compressor6	
BI			49	Y213		Relay for 4Way-Valve 3	
PIV			50	Comp2RunTm		Comp2 Run Time [Hr]	
PIV			51	H2		Total Frequency [Hz]	
PIV			52	Td2		Compressor 2 Top Temperature [°C]	
PIV			53	Td		Operating Comp. Top Temperature [°C]	
AI			54	A2		Compressor2 Current [A]	
PIV			55	Comp3RunTm		Comp3 Run Time [Hr]	
PIV			56	Comp4RunTm		Comp4 Run Time [Hr]	
PIV			57	Comp5RunTm		Comp5 Run Time [Hr]	
PIV			58	Comp6RunTm		Comp6 Run Time [Hr]	
AI			59	A3		Compressor3 Current [A]	
AI			60	A4		Compressor4 Current [A]	
AI			61	A5		Compressor5 Current [A]	
AI			62	A6		Compressor6 Current [A]	
IV			63	Te2		Evaporating Temp2 [°C]	
IV			64	Te3		Evaporating Temp3 [°C]	
PIV			65	Td3		Compressor 3 Top Temperature [°C]	
PIV			66	Td4		Compressor 4 Top Temperature [°C]	
PIV			67	Td5		Compressor 5 Top Temperature [°C]	
PIV			68	Td6		Compressor 6 Top Temperature [°C]	
PIV			69	cc		Run Compressor Quantity	
PIV			70	oE2		Expansion Valve 2 Opening [%]	
PIV			71	oE3		Expansion Valve 3 Opening [%]	

• Type Code = 6

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	ROMno		Outdoor Control PCB ROM number	
BI			02	Run		Run/Stop	
BI			03	ForDfrst		For Defrost	
BI			04	TstRun		Test Run	
BI			05	Dfrst		Defrost	
BI			06	EnFOff		Enforced Fan Off	
BI			07	EnThOff		Enforced Thermo Off	
PIV			08	RunSt		Run State	
PIV			09	Cyc		Cycle Condition	
PIV			10	ProtLvl		Protection Level	
PIV			11	ProtCd		Protection Code	
PIV			12	INVCD		Inverter Stop Reason Code	
PIV			13	INVSt		Inverter run state	
PIV			14	FANCD		Fan Con Code	
PIV			15	FANSt		Fan Con State	
PIV			16	Comp1RunTm		Comp1 Run Time [Hr]	
PIV			17	H1		Inverter Comp Frequency [Hz]	
PIV			18	Fo		Air Flow Fan Tap	
PIV			19	oE1		Expansion Valve 1 Opening [%]	
PIV			20	oEB		Bypass Exp.V Opening [%]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				21	Pd	Discharge (high) Pressure [MPa]	
AI				22	Ps	Suction (low) Pressure [MPa]	
PIV				23	Td1	Inverter Compressor 1 Top Temperature [°C]	
IV				24	TdSH	Discharge Gas Superheat [°C]	
IV				25	Te1	Evaporating Temp1 [°C]	
IV				26	Ta	Outdoor Temperature [°C]	
IV				27	Tfin	Inv Fin Temperature [°C]	
AI				28	A12	Inv Comp1 2nd Current x2 [A]	
AI				29	A1	Inverter Compressor Current [A]	
PIV				30	Info	Information	
BI				31	C11	Compression Ratio Reduction Prevention Restricted Control	
BI				32	C13	High PR. Increase Prevention Restricted Control	
BI				33	C14	Inverter Module Temp Increase Prevention Restricted Control	
BI				34	C15	Td Increase Prevention Restricted Control	
BI				35	C16	TdSH Reduction Prevention Restricted Control	
BI				36	C17	Overcurrent Prevention Restricted Control	
BI				37	YFAN1	Relay for FAN 1	
BI				38	YFAN3	Relay for FAN 3	
BI				39	YCH	Relay for Crank Case Heater 1	
BI				40	Y211	Relay for 4Way-Valve 1	
BI				41	Y212	Relay for 4Way-Valve 2	
BI				42	Y20A1	Relay for Gass Bypass 1	
BI				43	Y20A2	Relay for Automatic Charge Solenoid Valve (for Renewal-Mmulti)	
BI				44	Y20B	Relay for Valve B of Plate-type HEX	
BI				45	Y20C	Relay for Valve C of Liquid Bypass	
BI				46	Y20F1	Solenoid valve F1/Relay for Oil Back 1	
BI				47	Y20G	Solenoid valve G/Relay for Refrigerant Recovery	
BI				48	Y52C1	Relay for Inverter Compressor	
BI				49	Y52C2	Relay for Compressor2	
BI				50	Y52C3	Relay for Compressor3	
BI				51	Y52C4	Relay for Compressor4	
BI				52	Y52C5	Relay for Compressor5	
BI				53	Y52C6	Relay for Compressor6	
PIV				54	Comp2RunTm	Comp2 Run Time [Hr]	
PIV				55	H2	Total Frequency [Hz]	
PIV				56	Td2	Compressor 2 Top Temperature [°C]	
PIV				57	Td	Operating Comp. Top Temperature [°C]	
AI				58	A2	Compressor2 Current [A]	
PIV				59	Comp3RunTm	Comp3 Run Time [Hr]	
PIV				60	Comp4RunTm	Comp4 Run Time [Hr]	
PIV				61	Comp5RunTm	Comp5 Run Time [Hr]	
PIV				62	Comp6RunTm	Comp6 Run Time [Hr]	
AI				63	A3	Compressor3 Current [A]	
AI				64	A4	Compressor4 Current [A]	
AI				65	A5	Compressor5 Current [A]	
AI				66	A6	Compressor6 Current [A]	
IV				67	Te2	Evaporating Temp2 [°C]	
IV				68	Te3	Evaporating Temp3 [°C]	
PIV				69	Td3	Compressor 3 Top Temperature [°C]	
PIV				70	Td4	Compressor 4 Top Temperature [°C]	
PIV				71	Td5	Compressor 5 Top Temperature [°C]	
PIV				72	Td6	Compressor 6 Top Temperature [°C]	
PIV				73	cc	Run Compressor Quantity	
PIV				74	oE2	Expansion Valve 2 Opening [%]	
PIV				75	oE3	Expansion Valve 3 Opening [%]	

- Type Code = 1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	ROMno	Outdoor Control PCB ROM number		
BI			02	Run	Run/Stop		
BI			03	ForDfrst	For Defrost		
BI			04	EmergRun	Emergency Run		
PIV			05	RunSt	Run State		
PIV			06	CycSt	Cycle State		
PIV			07	ProtLvl	Protection Level		
PIV			08	ProtCd	Protection Code		
PIV			09	INVCD	Inverter Stop Reason Code		
PIV			10	INVSt	Inverter run state		
PIV			11	FANCD1	FANCD1		
PIV			12	FAN1St	FAN1 run state		
PIV			13	Comp1RunTm	Comp1 Run Time [Hr]		
PIV			14	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]		
PIV			15	H1	Inverter Comp Frequency [Hz]		
PIV			16	Fo	Air Flow Fan Tap		
PIV			17	oE1	Expansion Valve 1 Opening [%]		
PIV			18	EVB	Bypass Exp.V Opening [%]		
AI			19	Pd	Discharge (high) Pressure [MPa]		
AI			20	Ps	Suction (low) Pressure [MPa]		
PIV			21	Td1	Inverter Compressor 1 Top Temperature [°C]		
IV			22	TdSH	Discharge Gas Superheat [°C]		
IV			23	Tsc	Sub-cooler bypass outlet temp [°C]		
IV			24	Te1	Heat Exchanger Liquid Temperature 1 [°C]		
IV			25	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]		
IV			26	Ta	Outdoor Temperature [°C]		
IV			27	Tfin	Inv Fin Temperature [°C]		
AI			28	A12	Inv Comp1 2nd Current x2 [A]		
AI			29	A1	Inverter Compressor Current [A]		
PIV			30	Info1	Control Information 1		
PIV			31	Info2	Control Information 2		
BI			32	C11	Compression Ratio Reduction Prevention Restricted Control		
BI			33	C13	High PR. Increase Prevention Restricted Control		
BI			34	C14	Inverter Module Temp Increase Prevention Restricted Control		
BI			35	C15	Td Increase Prevention Restricted Control		
BI			36	C16	TdSH Reduction Prevention Restricted Control		
BI			37	C17	Overcurrent Prevention Restricted Control		
BI			38	YFAN3	Relay for FAN 3		
BI			39	YFAN4	Relay for FAN 4		
BI			40	YCH	Relay for Crank Case Heater 1		
BI			41	Y212	Relay for 4Way-Valve 2		
BI			42	Y20A1	Relay for Gass Bypass 1		
BI			43	Y20B	Relay for Liquid Bypass		
BI			44	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass		
BI			45	Y20F1	Solenoid valve F1/Relay for Oil Back 1		
BI			46	Y20G	Solenoid valve G/Relay for Refrigerant Recovery		
BI			47	YCHG	Automatic charge solenoid valve CHG		

• Type Code = 5

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor Unit Type Name
PIV				01		ROMno	Outdoor Control PCB ROM number
BI				02		ForDfrst	For Defrost



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			03	EmergRun	Emergency Run		
BI			04	TstRun	Test Run		
PIV			05	HEXSt	Heat Exchange State		
PIV			06	RunSt	Run State		
PIV			07	CycSt	Cycle State		
PIV			08	ProtLvl	Protection Level		
PIV			09	ProtCd	Protection Code		
PIV			10	INVCD	Inverter Stop Reason Code		
PIV			11	INVSt	Inverter run state		
PIV			12	FANCD1	FANCD1		
PIV			13	FAN1St	FAN1 run state		
PIV			14	Comp1RunTm	Comp1 Run Time [Hr]		
PIV			15	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]		
PIV			16	H1	Inverter Comp Frequency [Hz]		
PIV			17	Fo	Air Flow Fan Tap		
PIV			18	oE1	Expansion Valve 1 Opening [%]		
PIV			19	EVB	Bypass Exp.V Opening [%]		
AI			20	Pd	Discharge (high) Pressure [MPa]		
AI			21	Ps	Suction (low) Pressure [MPa]		
PIV			22	Td1	Inverter Compressor 1 Top Temperature [°C]		
IV			23	TdSH	Discharge Gas Superheat [°C]		
IV			24	Te1	Heat Exchanger Liquid Temperature 1 [°C]		
IV			25	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]		
IV			26	Ta	Outdoor Temperature [°C]		
IV			27	Tfin	Inv Fin Temperature [°C]		
AI			28	A12	Inv Comp1 2nd Current x2 [A]		
AI			29	A1	Inverter Compressor Current [A]		
PIV			30	Info1	Control Information 1		
PIV			31	Info2	Control Information 2		
BI			32	C11	Compression Ratio Reduction Prevention Restricted Control		
BI			33	C13	High PR. Increase Prevention Restricted Control		
BI			34	C14	Inverter Module Temp Increase Prevention Restricted Control		
BI			35	C15	Td Increase Prevention Restricted Control		
BI			36	C16	TdSH Reduction Prevention Restricted Control		
BI			37	C17	Overcurrent Prevention Restricted Control		
BI			38	CH1	Relay for Crank Case Heater 1		
BI			39	Y211	Relay for 4Way-Valve 1		
BI			40	Y212	Relay for 4Way-Valve 2		
BI			41	Y20A1	Relay for Gass Bypass 1		
BI			42	Y20B	Relay for Liquid Bypass		
BI			43	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass		
BI			44	Y20F1	Solenoid valve F1/Relay for Oil Back 1		
BI			45	20CHG	Automatic charge solenoid valve CHG		
BI			46	Y52C1	Relay for Inverter Compressor		
BI			47	X1	Relay for Inverter Cooling Fan		
BI			48	X2	Relay for Water Pump		
IV			49	TBg	Relay Status [°C]		
IV			50	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]		

• Type Code = 8

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor Unit Type Name
PIV				01		ROMno	Outdoor Control PCB ROM number
BI				02		ForDfrst	For Defrost



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			03	EmergRun	Emergency Run		
BI			04	TstRun	Test Run		
PIV			05	RunSt	Run State		
PIV			06	CycSt	Cycle State		
PIV			07	ProtLvl	Protection Level		
PIV			08	ProtCd	Protection Code		
PIV			09	INVCD	Inverter Stop Reason Code		
PIV			10	INVSt	Inverter run state		
PIV			11	FANCD1	FANCD1		
PIV			12	FAN1St	FAN1 run state		
PIV			13	Comp1RunTm	Comp1 Run Time [Hr]		
PIV			14	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]		
PIV			15	H1	Inverter Comp Frequency [Hz]		
PIV			16	Fo	Air Flow Fan Tap		
PIV			17	oE1	Expansion Valve 1 Opening [%]		
PIV			18	EVB	Bypass Exp.V Opening [%]		
AI			19	Pd	Discharge (high) Pressure [MPa]		
AI			20	Ps	Suction (low) Pressure [MPa]		
PIV			21	Td1	Inverter Compressor 1 Top Temperature [°C]		
IV			22	TdSH	Discharge Gas Superheat [°C]		
IV			23	Tsc	Sub-cooler bypass outlet temp [°C]		
IV			24	Te1	Heat Exchanger Liquid Temperature 1 [°C]		
IV			25	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]		
IV			26	Ta	Outdoor Temperature [°C]		
IV			27	Tfin	Inv Fin Temperature [°C]		
AI			28	A12	Inv Comp1 2nd Current x2 [A]		
AI			29	A1	Inverter Compressor Current [A]		
PIV			30	Info1	Control Information 1		
PIV			31	Info2	Control Information 2		
BI			32	C11	Compression Ratio Reduction Prevention Restricted Control		
BI			33	C13	High PR. Increase Prevention Restricted Control		
BI			34	C14	Inverter Module Temp Increase Prevention Restricted Control		
BI			35	C15	Td Increase Prevention Restricted Control		
BI			36	C16	TdSH Reduction Prevention Restricted Control		
BI			37	C17	Overcurrent Prevention Restricted Control		
BI			38	YFAN3	Relay for FAN 3		
BI			39	YFAN4	Relay for FAN 4		
BI			40	YCH	Relay for Crank Case Heater 1		
BI			41	Y211	Relay for 4Way-Valve 1		
BI			42	Y212	Relay for 4Way-Valve 2		
BI			43	Y20A1	Relay for Gass Bypass 1		
BI			44	Y20A2	Relay for Gass Bypass 2		
BI			45	Y20B	Relay for Liquid Bypass		
BI			46	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass		
BI			47	Y20F1	Solenoid valve F1/Relay for Oil Back 1		
BI			48	Y20G	Solenoid valve G/Relay for Refrigerant Recovery		
BI			49	YCHG	Automatic charge solenoid valve CHG		
BI			50	Y52C1	Relay for Inverter Compressor		
BI			51	Y52C2	Relay for Compressor2		
BI			52	Y52C3	Relay for Compressor3		
BI			53	Y52C4	Relay for Compressor4		
BI			54	Y52C5	Relay for Compressor5		
PIV			55	Comp2RunTm	Comp2 Run Time [Hr]		
PIV			56	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]		
PIV			57	H2	Total Frequency [Hz]		
PIV			58	Td2	Compressor 2 Top Temperature [°C]		
PIV			59	Td	Operating Comp. Top Temperature [°C]		
AI			60	A2	Compressor2 Current [A]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			61	Comp3RunTm	Comp3 Run Time [Hr]		
PIV			62	Comp3MntTm	Comp3 Run Time Since Maintenance [Hr]		
PIV			63	Comp4RunTm	Comp4 Run Time [Hr]		
PIV			64	Comp4MntTm	Comp4 Run Time Since Maintenance [Hr]		
PIV			65	Comp5RunTm	Comp5 Run Time [Hr]		
PIV			66	Comp5MntTm	Comp5 Run Time Since Maintenance [Hr]		
AI			67	A3	Compressor3 Current [A]		
AI			68	A4	Compressor4 Current [A]		
AI			69	A5	Compressor5 Current [A]		
IV			70	Te2	Heat Exchanger Liquid Temperature 2 [°C]		
IV			71	Te3	Heat Exchanger Liquid Temperature 3 [°C]		
IV			72	Te4	Heat Exchanger Liquid Temperature 4 [°C]		
PIV			73	Td3	Compressor 3 Top Temperature [°C]		
PIV			74	Td4	Compressor 4 Top Temperature [°C]		
PIV			75	Td5	Compressor 5 Top Temperature [°C]		
PIV			76	oE2	Expansion Valve 2 Opening [%]		
PIV			77	oE3	Expansion Valve 3 Opening [%]		
PIV			78	oE4	Expansion Valve 4 Opening [%]		
BI			79	Y20A3	Relay for Gass Bypass 3		
BI			80	Y20A4	Relay for Gass Bypass 4		
BI			81	Y20A5	Relay for Gass Bypass 5		
PIV			82	Tm2	Compressor 2 side thermistor [°C]		
PIV			83	Tm3	Compressor 3 side thermistor [°C]		
PIV			84	Tm4	Compressor 4 side thermistor [°C]		
PIV			85	Tm5	Compressor 5 side thermistor [°C]		
PIV			86	FAN2Cd	FANCON 2 Stop Reason Code		
PIV			87	FAN2St	Fan 2 control run state		
PIV			88	FAN3Cd	Fan 3 control stop reason code		
PIV			89	FAN3St	Fan 3 control run state		
PIV			90	FAN4Cd	Fan 4 control stop reason code		
PIV			91	FAN4St	Fan 4 control run state		

• Type Code = 2

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	ROMno	Outdoor Control PCB ROM number		
BI			02	ForDfrst	For Defrost		
BI			03	EmergRun	Emergency Run		
BI			04	TstRun	Test Run		
PIV			05	HEXSt	Heat Exchange State		
PIV			06	RunSt	Run State		
PIV			07	CycSt	Cycle State		
PIV			08	ProtLvl	Protection Level		
PIV			09	ProtCd	Protection Code		
PIV			10	INVCD	Inverter Stop Reason Code		
PIV			11	INVSt	Inverter run state		
PIV			12	FANCD1	FANCD1		
PIV			13	FAN1St	FAN1 run state		
PIV			14	Comp1RunTm	Comp1 Run Time [Hr]		
PIV			15	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]		
PIV			16	H1	Inverter Comp Frequency [Hz]		
PIV			17	Fo	Air Flow Fan Tap		
PIV			18	oE1	Expansion Valve 1 Opening [%]		
PIV			19	EVB	Bypass Exp.V Opening [%]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			20		Pd	Discharge (high) Pressure [MPa]	
AI			21		Ps	Suction (low) Pressure [MPa]	
PIV			22		Td1	Inverter Compressor 1 Top Temperature [°C]	
IV			23		Te1	Heat Exchanger Liquid Temperature 1 [°C]	
IV			24		Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]	
IV			25		Ta	Outdoor Temperature [°C]	
IV			26		Tfin	Inv Fin Temperature [°C]	
AI			27		A12	Inv Comp1 2nd Current x2 [A]	
AI			28		A1	Inverter Compressor Current [A]	
PIV			29		Info1	Control Information 1	
PIV			30		Info2	Control Information 2	
BI			31		C11	Compression Ratio Reduction Prevention Restricted Control	
BI			32		C13	High PR. Increase Prevention Restricted Control	
BI			33		C14	Inverter Module Temp Increase Prevention Restricted Control	
BI			34		C15	Td Increase Prevention Restricted Control	
BI			35		C16	TdSH Reduction Prevention Restricted Control	
BI			36		C17	Overcurrent Prevention Restricted Control	
BI			37		CH1	Relay for Crank Case Heater 1	
BI			38		CH2	Relay for Crank Case Heater 2	
BI			39		Y211	Relay for 4Way-Valve 1	
BI			40		Y212	Relay for 4Way-Valve 2	
BI			41		Y20A1	Relay for Gass Bypass 1	
BI			42		Y20A2	Relay for Gass Bypass 2	
BI			43		Y20B	Relay for Liquid Bypass	
BI			44		Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass	
BI			45		Y20F1	Solenoid valve F1/Relay for Oil Back 1	
BI			46		Y20F2	Relay for Oil Back 2	
BI			47		YCHG	Automatic charge solenoid valve CHG	
BI			48		Y52C1	Relay for Inverter Compressor	
BI			49		Y52C2	Relay for Compressor2	
BI			50		X1	Relay for Inverter Cooling Fan	
BI			51		X2	Relay for Water Pump	
PIV			52		Comp2RunTm	Comp2 Run Time [Hr]	
PIV			53		Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]	
PIV			54		H2	Total Frequency [Hz]	
PIV			55		Td2	Compressor 2 Top Temperature [°C]	
PIV			56		Td	Operating Comp. Top Temperature [°C]	
IV			57		TBg	Relay Status [°C]	
IV			58		Tg1	Heat Exchanger 1 Gas Side Temp. [°C]	
AI			59		A2	Compressor2 Current [A]	

• Type Code = 4

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor Unit Type Name
PIV				01		ROMno	Outdoor Control PCB ROM number
BI				02		ForDfrst	For Defrost
BI				03		EmergRun	Emergency Run
BI				04		TstRun	Test Run
PIV				05		HEXSt	Heat Exchange State
PIV				06		RunSt	Run State
PIV				07		CycSt	Cycle State
PIV				08		ProtLvl	Protection Level
PIV				09		ProtCd	Protection Code
PIV				10		INV1Cd	Inverter 1 Stop Reason Code



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			11		INV1St	Inverter 1 run state	
PIV			12		INV2Cd	Inverter 2 Stop Reason Code	
PIV			13		INV2St	Inverter 2 run state	
PIV			14		FAN1Cd	FANCON 1 Stop Reason Code	
PIV			15		FAN1St	FANCON 1 Run State	
PIV			16		FAN2Cd	FANCON 2 Stop Reason Code	
PIV			17		FAN2St	FANCON 2 Run State	
PIV			18		Comp1RunTm	Comp1 Run Time [Hr]	
PIV			19		Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]	
PIV			20		Comp2RunTm	Comp2 Run Time [Hr]	
PIV			21		Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]	
AI			22		H1	Inverter 1 Comp Frequency [Hz]	
AI			23		H2	Inverter 2 Comp Frequency [Hz]	
PIV			24		Fo	Air Flow Fan Tap	
PIV			25		oE1	Expansion Valve 1 Opening [%]	
PIV			26		oE2	Expansion Valve 2 Opening [%]	
PIV			27		EVB	Bypass Exp.V Opening [%]	
PIV			28		EVD1	Exp.V 1 Opening for Outdoor Hot Gas Defrost [%]	
PIV			29		EVD2	Exp.V 2 Opening for Outdoor Hot Gas Defrost [%]	
AI			30		Pd	High Pressure [MPa]	
AI			31		Ps	Suction (low) Pressure [MPa]	
PIV			32		Td1	Inverter Compressor 1 Top Temperature [°C]	
PIV			33		Td2	Compressor 2 Top Temperature [°C]	
PIV			34		Td	Operating Comp. Top Temperature [°C]	
IV			35		Tsc	Subcooler Temp [°C]	
IV			36		Te1	Heat Exchanger Liquid Temperature 1 [°C]	
IV			37		Te2	Heat Exchanger Liquid Temperature 2 [°C]	
IV			38		Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]	
IV			39		Ta	Outdoor Temperature [°C]	
IV			40		Tfin1	Inverter 1 Fin Temperature [°C]	
IV			41		Tfin2	Inverter 2 Fin Temperature [°C]	
IV			42		Tg1	Heat Exchanger 1 Gas Side Temp. [°C]	
IV			43		Tg2	Heat Exchanger 2 Gas Side Temp. [°C]	
IV			44		Ts	Suction Gas Temp [°C]	
AI			45		INV1A2	Inverter Comp 1 2nd Current [A]	
AI			46		INV1A1	Inverter Compressor 1 Primary Current [A]	
AI			47		INV2A2	Inverter Comp 2 2nd Current [A]	
AI			48		INV2A1	Inverter Compressor 2 Primary Current [A]	
AI			49		Info1	Control Information 1 [Hz]	
PIV			50		Info2	Control Information 2 [°C]	
AI			51		Info3	Control Information 3 [A]	
AI			52		Info4	Control Information 4 [A]	
BI			53		C11	Compression Ratio Reduction Prevention Restricted Control	
BI			54		C13	High PR. Increase Prevention Restricted Control	
BI			55		C14	Inverter Module Temp Increase Prevention Restricted Control	
BI			56		C15	Td Increase Prevention Restricted Control	
BI			57		C16	TdSH Reduction Prevention Restricted Control	
BI			58		C17	Overcurrent Prevention Restricted Control	
BI			59		CH1	Relay for Crank Case Heater 1	
BI			60		CH2	Relay for Crank Case Heater 2	
BI			61		Y211	Relay for 4Way-Valve 1	
BI			62		Y212	Relay for 4Way-Valve 2	
BI			63		Y20A1	Relay for Gass Bypass 1	
BI			64		Y20B	Relay for Liquid Bypass	
BI			65		Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass	
BI			66		Y20F	Relay for Oil Back	
BI			67		YCHG	Automatic charge solenoid valve CHG	
BI			68		RY1	Relay for Inverter Compressor	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI				69	RY2	Relay for Compressor 2	
BI				70	20X1	Relay for X1	
BI				71	20X2	Relay for X2	
PIV				72	Fan1VldPwr	Outdoor FAN 1 Valid Power [W]	
PIV				73	Fan2VldPwr	Outdoor FAN 2 Valid Power [W]	
PIV				74	i1ROM	Inverter 1 Control PCB ROM No.	
PIV				75	i2ROM	Inverter 2 Control PCB ROM No.	

• Type Code = 7

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	ROMno	Outdoor Control PCB ROM number		
BI			02	ForDfrst	For Defrost		
BI			03	EmergRun	Emergency Run		
BI			04	TstRun	Test Run		
PIV			05	HEXSt	Heat Exchange State		
PIV			06	RunSt	Run State		
PIV			07	CycSt	Cycle State		
PIV			08	ProtLvl	Protection Level		
PIV			09	ProtCd	Protection Code		
PIV			10	INV1Cd	Inverter 1 Stop Reason Code		
PIV			11	INV1St	Inverter 1 run state		
PIV			12	INV2Cd	Inverter 2 Stop Reason Code		
PIV			13	INV2St	Inverter 2 run state		
PIV			14	FAN1Cd	FANCON 1 Stop Reason Code		
PIV			15	FAN1St	FANCON 1 Run State		
PIV			16	FAN2Cd	FANCON 2 Stop Reason Code		
PIV			17	FAN2St	FANCON 2 Run State		
PIV			18	Comp1RunTm	Comp1 Run Time [Hr]		
PIV			19	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]		
PIV			20	Comp2RunTm	Comp2 Run Time [Hr]		
PIV			21	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]		
AI			22	H1	Inverter 1 Comp Frequency [Hz]		
AI			23	H2	Inverter 2 Comp Frequency [Hz]		
PIV			24	Fo	Air Flow Fan Tap		
PIV			25	oE1	Expansion Valve 1 Opening [%]		
PIV			26	oE2	Expansion Valve 2 Opening [%]		
PIV			27	EVB	Bypass Exp.V Opening [%]		
PIV			28	EVD1	Exp.V 1 Opening for Outdoor Hot Gas Defrost [%]		
PIV			29	EVD2	Exp.V 2 Opening for Outdoor Hot Gas Defrost [%]		
AI			30	Pd	High Pressure [MPa]		
AI			31	Ps	Suction (low) Pressure [MPa]		
PIV			32	Td1	Inverter Compressor 1 Top Temperature [°C]		
PIV			33	Td2	Compressor 2 Top Temperature [°C]		
PIV			34	Td	Operating Comp. Top Temperature [°C]		
IV			35	Tsc	Subcooler Temp [°C]		
IV			36	Te1	Heat Exchanger Liquid Temperature 1 [°C]		
IV			37	Te2	Heat Exchanger Liquid Temperature 2 [°C]		
IV			38	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]		
IV			39	Ta	Outdoor Temperature [°C]		
IV			40	Tfin1	Inverter 1 Fin Temperature [°C]		
IV			41	Tfin2	Inverter 2 Fin Temperature [°C]		
IV			42	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]		
IV			43	Tpf	Subcooler Side Flow Inlet Temp [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		VA	Index			
IV			44		Tpb	Subcooler Side Flow Outlet Temp [°C]	
AI			45		INV1A2	Inverter Comp 1 2nd Current [A]	
AI			46		INV1A1	Inverter Compressor 1 Primary Current [A]	
AI			47		INV2A2	Inverter Comp 2 2nd Current [A]	
AI			48		INV2A1	Inverter Compressor 2 Primary Current [A]	
AI			49		Info1	Control Information 1 [Hz]	
PIV			50		Info2	Control Information 2 [°C]	
AI			51		Info3	Control Information 3 [A]	
AI			52		Info4	Control Information 4 [A]	
BI			53		C11	Compression Ratio Reduction Prevention Restricted Control	
BI			54		C13	High PR. Increase Prevention Restricted Control	
BI			55		C14	Inverter Module Temp Increase Prevention Restricted Control	
BI			56		C15	Td Increase Prevention Restricted Control	
BI			57		C16	TdSH Reduction Prevention Restricted Control	
BI			58		C17	Overcurrent Prevention Restricted Control	
BI			59		CH1	Relay for Crank Case Heater 1	
BI			60		CH2	Relay for Crank Case Heater 2	
BI			61		Y211	Relay for 4Way-Valve 1	
BI			62		Y212	Relay for 4Way-Valve 2	
BI			63		Y20A1	Relay for Gass Bypass 1	
BI			64		Y20B	Relay for Inverter Compressor 1 Gas Injection	
BI			65		Y20C	Relay for Inverter Compressor 2 Gas Injection	
BI			66		Y20F1	Relay for Inverter Compressor 1 High and Low Pressure Bypass	
BI			67		Y20F2	Relay for Inverter Compressor 2 High and Low Pressure Bypass	
BI			68		YCHG	Automatic charge solenoid valve CHG	
BI			69		RY1	Relay for Inverter Compressor	
BI			70		RY2	Relay for Compressor 2	
BI			71		20X1	Relay for X1	
BI			72		20X2	Relay for X2	
PIV			73		Fan1VldPwr	Outdoor FAN 1 Valid Power [W]	
PIV			74		Fan2VldPwr	Outdoor FAN 2 Valid Power [W]	
PIV			75		i1ROM	Inverter 1 Control PCB ROM No.	
PIV			76		i2ROM	Inverter 2 Control PCB ROM No.	

• Type Code = 10

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	ROMno	Outdoor Control PCB ROM number		
BI			02	ForDfrst	For Defrost		
BI			03	EmergRun	Emergency Run		
BI			04	TstRun	Test Run		
PIV			05	HEXSt	Heat Exchange State		
PIV			06	RunSt	Run State		
PIV			07	CycSt	Cycle State		
PIV			08	ProtLvl	Protection Level		
PIV			09	ProtCd	Protection Code		
PIV			10	INV1Cd	Inverter 1 Stop Reason Code		
PIV			11	INV1St	Inverter 1 run state		
PIV			12	INV2Cd	Inverter 2 Stop Reason Code		
PIV			13	INV2St	Inverter 2 run state		
PIV			14	Comp1RunTm	Comp1 Run Time [Hr]		
PIV			15	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]		
PIV			16	Comp2RunTm	Comp2 Run Time [Hr]		
PIV			17	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
AI			18			H1	Inverter 1 Comp Frequency [Hz]
AI			19			H2	Inverter 2 Comp Frequency [Hz]
PIV			20			oE1	Expansion Valve 1 Opening [%]
PIV			21			oE2	Expansion Valve 2 Opening [%]
PIV			22			EVB	Bypass Exp.V Opening [%]
PIV			23			MV3	Inverter Cooling Circuit Exp.Valve Opening (%) [%]
PIV			24			MV4	Plate-type Heat Exchanger Exp.Valve Opening (%) [%]
AI			25			Pd	High Pressure [MPa]
AI			26			Ps	Suction (low) Pressure [MPa]
PIV			27			Td1	Inverter Compressor 1 Top Temperature [°C]
PIV			28			Td2	Compressor 2 Top Temperature [°C]
PIV			29			Td	Operating Comp. Top Temperature [°C]
IV			30			TdSH	Discharge Gas Superheat [°C]
IV			31			Tsc	Subcooler Temp [°C]
IV			32			Te1	Heat Exchanger Liquid Temperature 1 [°C]
IV			33			Te2	Heat Exchanger Liquid Temperature 2 [°C]
IV			34			Tchg	Liquid Stop Valve Temp [°C]
IV			35			Ta	Inlet Water Temperature [°C]
IV			36			Tfin1	Inverter 1 Fin Temperature [°C]
IV			37			Tfin2	Inverter 2 Fin Temperature [°C]
IV			38			Tg1	Heat Exchanger 1 Gas Side Temp. [°C]
IV			39			Tg2	Heat Exchanger 2 Gas Side Temp. [°C]
IV			40			Ts	Electrical Box Inside Temperature [°C]
AI			41			INV1A2	Inverter Comp 1 2nd Current [A]
AI			42			INV1A1	Inverter Compressor 1 Primary Current [A]
AI			43			INV2A2	Inverter Comp 2 2nd Current [A]
AI			44			INV2A1	Inverter Compressor 2 Primary Current [A]
AI			45			Info1	Control Information 1 [Hz]
PIV			46			Info2	Control Information 2 [°C]
PIV			47			Info3	Control Information 3
PIV			48			Info4	Control Information 4
PIV			49			Info5	Control Information 5
PIV			50			Info6	Control Information 6
BI			51			C11	Compression Ratio Reduction Prevention Restricted Control
BI			52			C13	High PR. Increase Prevention Restricted Control
BI			53			C14	Inverter Module Temp Increase Prevention Restricted Control
BI			54			C15	Td Increase Prevention Restricted Control
BI			55			C16	TdSH Reduction Prevention Restricted Control
BI			56			C17	Overcurrent Prevention Restricted Control
BI			57			CH1	Relay for Crank Case Heater 1
BI			58			CH2	Relay for Crank Case Heater 2
BI			59			Y211	Relay for 4Way-Valve 1
BI			60			Y212	Relay for 4Way-Valve 2
BI			61			Y20A1	Relay for Gass Bypass 1
BI			62			20B	Relay for Plate Heat Exchanger Bypass Valve
BI			63			20C	Relay for Gas-Liquid Bypass
BI			64			20F	Relay for E-Box Cooling Fan
BI			65			20CHG	Automatic charge solenoid valve CHG
BI			66			Y52C1	Relay for Inverter Compressor
BI			67			Y52C2	Relay for Compressor2
BI			68			20X1	Relay for X1
BI			69			X2	Relay for Water Pump
BI			70			i1	Input Signal 1 (Flow Switch)
PIV			71			i1ROM	Inverter 1 Control PCB ROM No.
PIV			72			i2ROM	Inverter 2 Control PCB ROM No.

- Type Code = 11



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	ROMno	Outdoor Control PCB ROM number		
BI			02	ForDfrst	For Defrost		
BI			03	EmergRun	Emergency Run		
BI			04	TstRun	Test Run		
PIV			05	HEXSt	Heat Exchange State		
PIV			06	RunSt	Run State		
PIV			07	CycSt	Cycle State		
PIV			08	ProtLvl	Protection Level		
PIV			09	ProtCd	Protection Code		
PIV			10	INV1Cd	Inverter 1 Stop Reason Code		
PIV			11	INV1St	Inverter 1 run state		
PIV			12	INV2Cd	Inverter 2 Stop Reason Code		
PIV			13	INV2St	Inverter 2 run state		
PIV			14	FAN1Cd	FANCON 1 Stop Reason Code		
PIV			15	FAN1St	FANCON 1 Run State		
PIV			16	FAN2Cd	FANCON 2 Stop Reason Code		
PIV			17	FAN2St	FANCON 2 Run State		
PIV			18	Comp1RunTm	Comp1 Run Time [Hr]		
PIV			19	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]		
PIV			20	Comp2RunTm	Comp2 Run Time [Hr]		
PIV			21	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]		
AI			22	H1	Inverter 1 Comp Frequency [Hz]		
AI			23	H2	Inverter 2 Comp Frequency [Hz]		
PIV			24	Fo	Fan Rotation Speed [rpm]		
PIV			25	oE1	Expansion Valve 1 Opening [%]		
PIV			26	oE2	Expansion Valve 2 Opening [%]		
PIV			27	EVB	Bypass Exp.V Opening [%]		
PIV			28	EVD1	Exp.V 1 Opening for Outdoor Hot Gas Defrost [%]		
PIV			29	EVD2	Exp.V 2 Opening for Outdoor Hot Gas Defrost [%]		
AI			30	Pd	High Pressure [MPa]		
AI			31	Ps	Suction (low) Pressure [MPa]		
PIV			32	Td1	Inverter Compressor 1 Top Temperature [°C]		
PIV			33	Td2	Compressor 2 Top Temperature [°C]		
PIV			34	Td	Operating Comp. Top Temperature [°C]		
IV			35	TdSH	Discharge Gas Superheat [°C]		
IV			36	Tsc	Subcooling heat exchanger Temp [°C]		
IV			37	Te1	Heat Exchanger Liquid Temperature 1 [°C]		
IV			38	Te2	Heat Exchanger Liquid Temperature 2 [°C]		
IV			39	Tchg	Liquid Stop Valve Temp [°C]		
IV			40	Ta	Outdoor Temperature [°C]		
IV			41	Tfin1	Inverter 1 Fin Temperature [°C]		
IV			42	Tfin2	Inverter 2 Fin Temperature [°C]		
IV			43	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]		
IV			44	Tg2	Heat Exchanger 2 Gas Side Temp. [°C]		
IV			45	Ts	Suction Gas Temp [°C]		
AI			46	INV1A2	Inverter Comp 1 2nd Current [A]		
AI			47	INV1A1	Inverter Compressor 1 Primary Current [A]		
AI			48	INV2A2	Inverter Comp 2 2nd Current [A]		
AI			49	INV2A1	Inverter Compressor 2 Primary Current [A]		
AI			50	Info1	Control Information 1 [Hz]		
PIV			51	Info2	Control Information 2 [°C]		
AI			52	Info3	Control Information 3 [A]		
AI			53	Info4	Control Information 4 [A]		
BI			54	C11	Compression Ratio Reduction Prevention Restricted Control		
BI			55	C13	High PR. Increase Prevention Restricted Control		
BI			56	C14	Inverter Module Temp Increase Prevention Restricted Control		
BI			57	C15	Td Increase Prevention Restricted Control		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI				58	C16	TdSH Reduction Prevention Restricted Control	
BI				59	C17	Overcurrent Prevention Restricted Control	
BI				60	CH1	Relay for Crank Case Heater 1	
BI				61	CH2	Relay for Crank Case Heater 2	
BI				62	Y211	Relay for 4Way-Valve 1	
BI				63	Y212	Relay for 4Way-Valve 2	
BI				64	Y20A1	Relay for Gass Bypass 1	
BI				65	Y20B	Relay for Liquid Bypass	
BI				66	20C	Relay for Gas-Liquid Bypass	
BI				67	Y20F	Relay for Oil Back	
BI				68	20CHG	Automatic charge solenoid valve CHG	
BI				69	RY1	Relay for Inverter Compressor	
BI				70	RY2	Relay for Compressor 2	
BI				71	20X1	Relay for X1	
BI				72	20X2	Relay for X2	
PIV				73	Fan1VldPwr	Outdoor FAN 1 Valid Power [W]	
PIV				74	Fan2VldPwr	Outdoor FAN 2 Valid Power [W]	
PIV				75	i1ROM	Inverter 1 Control PCB ROM No.	
PIV				76	i2ROM	Inverter 2 Control PCB ROM No.	

- **Type Code = 12**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	ROMno	Outdoor Control PCB ROM number	
BI				02	ForDfrst	For Defrost	
BI				03	EmergRun	Emergency Run	
BI				04	TstRun	Test Run	
PIV				05	HEXSt	Heat Exchange State	
PIV				06	RunSt	Run State	
PIV				07	CycSt	Cycle State	
PIV				08	ProtLvl	Protection Level	
PIV				09	ProtCd	Protection Code	
PIV				10	INV1Cd	Inverter 1 Stop Reason Code	
PIV				11	INV1St	Inverter 1 run state	
PIV				12	INV2Cd	Inverter 2 Stop Reason Code	
PIV				13	INV2St	Inverter 2 run state	
PIV				14	FAN1Cd	FANCON 1 Stop Reason Code	
PIV				15	FAN1St	FANCON 1 Run State	
PIV				16	FAN2Cd	FANCON 2 Stop Reason Code	
PIV				17	FAN2St	FANCON 2 Run State	
PIV				18	Comp1RunTm	Comp1 Run Time [Hr]	
PIV				19	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]	
PIV				20	Comp2RunTm	Comp2 Run Time [Hr]	
PIV				21	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]	
AI				22	H1	Inverter 1 Comp Frequency [Hz]	
AI				23	H2	Inverter 2 Comp Frequency [Hz]	
PIV				24	Fo	Fan Rotation Speed [rpm]	
PIV				25	oE1	Expansion Valve 1 Opening [%]	
PIV				26	oE2	Expansion Valve 2 Opening [%]	
PIV				27	EVB	Bypass Exp.V Opening [%]	
PIV				28	EVD1	Exp.V 1 Opening for Outdoor Hot Gas Defrost [%]	
PIV				29	EVD2	Exp.V 2 Opening for Outdoor Hot Gas Defrost [%]	
AI				30	Pd	High Pressure [MPa]	
AI				31	Ps	Suction (low) Pressure [MPa]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			32	Td1	Inverter Compressor 1 Top Temperature [°C]		
PIV			33	Td2	Compressor 2 Top Temperature [°C]		
PIV			34	Td	Operating Comp. Top Temperature [°C]		
IV			35	TdSH	Discharge Gas Superheat [°C]		
IV			36	Tsc	Subcooling heat exchanger Temp [°C]		
IV			37	Te1	Heat Exchanger Liquid Temperature 1 [°C]		
IV			38	Te2	Heat Exchanger Liquid Temperature 2 [°C]		
IV			39	Tchg	Liquid Stop Valve Temp [°C]		
IV			40	Ta	Outdoor Temperature [°C]		
IV			41	Tfin1	Inverter 1 Fin Temperature [°C]		
IV			42	Tfin2	Inverter 2 Fin Temperature [°C]		
IV			43	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]		
IV			44	Tg2	Heat Exchanger 2 Gas Side Temp. [°C]		
IV			45	Tpf	Subcooler Side Flow Inlet Temp [°C]		
IV			46	Tpb	Subcooler Side Flow Outlet Temp [°C]		
AI			47	INV1A2	Inverter Comp 1 2nd Current [A]		
AI			48	INV1A1	Inverter Compressor 1 Primary Current [A]		
AI			49	INV2A2	Inverter Comp 2 2nd Current [A]		
AI			50	INV2A1	Inverter Compressor 2 Primary Current [A]		
AI			51	Info1	Control Information 1 [Hz]		
PIV			52	Info2	Control Information 2 [°C]		
AI			53	Info3	Control Information 3 [A]		
AI			54	Info4	Control Information 4 [A]		
AI			55	Info5	Control Information 5 [kW]		
AI			56	Info6	Control Information 6 [kW]		
BI			57	C11	Compression Ratio Reduction Prevention Restricted Control		
BI			58	C13	High PR. Increase Prevention Restricted Control		
BI			59	C14	Inverter Module Temp Increase Prevention Restricted Control		
BI			60	C15	Td Increase Prevention Restricted Control		
BI			61	C16	TdSH Reduction Prevention Restricted Control		
BI			62	C17	Overcurrent Prevention Restricted Control		
BI			63	CH1	Relay for Crank Case Heater 1		
BI			64	CH2	Relay for Crank Case Heater 2		
BI			65	Y211	Relay for 4Way-Valve 1		
BI			66	Y212	Relay for 4Way-Valve 2		
BI			67	Y20A1	Relay for Gass Bypass 1		
BI			68	20B	Relay for Inverter 1 Compressor Vapor INJ		
BI			69	20C	Relay for Inverter 2 Compressor Vapor INJ		
BI			70	Y20F1	Relay for Inverter Compressor 1 High and Low Pressure Bypass		
BI			71	Y20F2	Relay for Inverter Compressor 2 High and Low Pressure Bypass		
BI			72	20CHG	Automatic charge solenoid valve CHG		
BI			73	RY1	Relay for Inverter Compressor		
BI			74	RY2	Relay for Compressor 2		
BI			75	20X1	Relay for X1		
BI			76	20X2	Relay for X2		
PIV			77	Fan1VldPwr	Outdoor FAN 1 Valid Power [W]		
PIV			78	Fan2VldPwr	Outdoor FAN 2 Valid Power [W]		
PIV			79	i1ROM	Inverter 1 Control PCB ROM No.		
PIV			80	i2ROM	Inverter 2 Control PCB ROM No.		

3.2.3.3 HT PRO Enumerated Parameters

- Run State (RunSt)

Value	Description
0	SW Off



Value	Description
1	Th. Off
2	Pump Down
3	SW On
4	StartCmp
5	Start After def
6	StartRun1
7	StartRun2
8	Normal
9	Oil Return
10	Def1Strby
11	Def2Strby
12	P Diff Cntrl
13	Defrost

- **Cycle State (CycSt)**

Value	Description
0	Stop
1	Heat
2	Cool
3	C&H
4	Def
5	Def
6	Def
7	Def

- **Protection Level (ProtLvl)**

Value	Description
0	--
1	Enf. Decre.
2	Ban Incre.
3	Ban Decre.
4	Enf. Incre.

- **Inverter run state (INVSt)**

Value	Description
0	Usual
4	IPM Error, Over Current
9	Moment Over Current
10	Usually accelerating
13	High Fin Temperature
14	Usually slowing down
17	Electron Thermal Activation
18	Usually steadying
21	Insufficient Voltage
22	After the over-load during the acceleration
25	Excessive Voltage
26	After the over-load during the slowdown
29	Transmitting Abnormal
30	After the over-load during the steady
33	Current Sensor Abnormal
34	Unbalance of Voltage
37	Instantaneous Picking
38	Lost of Voltage
45	Micro-Computer Reset
49	Ground Short Detection
53	Lost of phase Abnormality
61	Stop of INV



- **FAN1 run state (FAN1St)**

Value	Description
0	Usual
4	Driver IC Error, Over Current
9	Moment Over Current
10	Usually accelerating
13	High Fin Temperature
14	Usually slowing down
17	Electron Thermal Activation
18	Usually steadying
21	Insufficient Voltage
25	Excessive Voltage
26	Slowdown by Overcurrent
29	Transmitting Abnormal
37	Instantaneous Picking
45	Micro-Computer Reset
49	Start Error
53	Abnormal Speed
57	Abnormal Position Sensing
61	Drive Prohibition Area
65	FAN-Control Retry
69	Control Abnormality

- **Heat Exchange State (HEXSt)**

Value	Description
1	Heat Main(Lo)
2	Cool Main(Lo)
8	Cool Main(Hi)
10	Heat Main(Hi)

- **Run State (RunSt)**

Value	Description
0	SW Off
1	Th. Off
2	SW On
3	StartCmp
4	StartRun
5	Normal
6	Defrost1
7	Defrost2

- **Cycle Condition (Cyc)**

Value	Description
1	Cool
2	Stop
3	Stop
4	Heat
5	Heat
6	Heat
7	Heat

- **Fan Con State (FANSt)**

Value	Description
0	Usual
4	Driver IC Error, Over Current
9	Moment Over Current
10	Usually accelerating
13	High Fin Temperature
14	Usually slowing down



Value	Description
17	Electron Thermal Activation
18	Usually stading
21	Insufficient Voltage
25	Excessive Voltage
26	Slowdown by Overcurrent
29	Transmitting Abnormal
37	Instantaneous Picking
45	Micro-Computer Reset
49	Start Error
53	Abnormal Speed
57	Abnormal Position Sensing
61	Drive Prohibition Area

- **Heat Exchange State (HEXSt)**

Value	Description
1	Heat Main(Lo)
2	Cool Main(Lo)
4	Heat Main(Hi)
8	Cool Main(Hi)

- **Inverter 1 run state (INV1St)**

Value	Description
0	Usual Stop
1	Constant Speed
4	IPM Error, Over Current
6	Usually accelerating
9	Moment Over Current
10	Usually slowing down
13	High Fin Temperature
14	After the over-load during the acceleration
17	Electron Thermal Activation
18	After the over-load during the slowdown
21	Insufficient Voltage
22	After the over-load during the constant speed
25	Excessive Voltage
29	Transmitting Abnormal
33	Current Sensor Abnormal
34	Unbalance of Voltage
37	Instantaneous Picking
42	Forced deceleration at voltage phase limiter activation
45	Micro-Computer Reset
49	Ground Short Detection
53	Lost of phase Abnormality
61	Stop of INV
65	Stop of INV
69	Com. Abnormal
73	Pro. Activation
77	Pro. Abnormal
81	63H Early Return
85	Step-out Detection
89	PCB Setting Abnormality

- **Inverter 2 run state (INV2St)**

Value	Description
0	Usual Stop
1	Constant Speed
4	IPM Error, Over Current
6	Usually accelerating
9	Moment Over Current



Value	Description
10	Usually slowing down
13	High Fin Temperature
14	After the over-load during the acceleration
17	Electron Thermal Activation
18	After the over-load during the slowdown
21	Insufficient Voltage
22	After the over-load during the constant speed
25	Excessive Voltage
29	Transmitting Abnormal
33	Current Sensor Abnormal
34	Unbalance of Voltage
37	Instantaneous Picking
42	Forced deceleration at voltage phase limiter activation
45	Micro-Computer Reset
49	Ground Short Detection
53	Lost of phase Abnormality
61	Stop of INV
65	Stop of INV
69	Com. Abnormal
73	Pro. Activation
77	Pro. Abnormal
81	63H Early Return
85	Step-out Detection
89	PCB Setting Abnormality

- **FANCON 1 Run State (FAN1St)**

Value	Description
0	Usual
1	Constant Speed
4	Driver IC Error, Over Current
6	Usually accelerating
9	Moment Over Current
10	Usually slowing down
13	High Fin Temperature
14	After the over-load during the acceleration
17	Electron Thermal Activation
18	After the over-load during the slowdown
21	Insufficient Voltage
22	After the over-load during the constant speed
25	Excessive Voltage
29	Transmitting Abnormal
34	Unbalance of Voltage
37	Instantaneous Picking
45	Micro-Computer Reset
46	Rise prohibit 1
49	Start Error
50	Driving reverse rotation
53	Abnormal Speed
57	Abnormal Position Sensing
61	Drive Prohibition Area
65	FAN-Control Retry
69	Control Abnormality
85	Step-out Detection

- **FANCON 2 Run State (FAN2St)**

Value	Description
0	Usual
1	Constant Speed
4	Driver IC Error, Over Current



Value	Description
6	Usually accelerating
9	Moment Over Current
10	Usually slowing down
13	High Fin Temperature
14	After the over-load during the acceleration
17	Electron Thermal Activation
18	After the over-load during the slowdown
21	Insufficient Voltage
22	After the over-load during the constant speed
25	Excessive Voltage
29	Transmitting Abnormal
34	Unbalance of Voltage
37	Instantaneous Picking
45	Micro-Computer Reset
46	Rise prohibit 1
49	Start Error
50	Driving reverse rotation
53	Abnormal Speed
57	Abnormal Position Sensing
61	Drive Prohibition Area
65	FAN-Control Retry
69	Control Abnormality
85	Step-out Detection

- **Heat Exchange State (HEXSt)**

Value	Description
1	Heat Main(Lo)
2	Cool Main(Lo)
4	Heat Main(Hi)
8	Cool Main(Hi)

- **Inverter run state (INVSt)**

Value	Description
0	Usual Stop
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Inverter Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Inverter Overcurrent)
17	Usually steading
20	Inverter Voltage Decrease
21	After the over-load during the acceleration
24	Inverter Voltage Increase
25	After the over-load during the slowdown
28	Abnormal Inverter Transmission
29	After the over-load during the steady
32	Abnormal Current Sensor
33	Unbalance of Voltage
36	Instantaneous Power Failure Detection
37	Lost of Voltage
44	Micro-Computer Reset
48	Ground Fault Detection
52	Open-Phase Detection
60	Stop of Inverter
64	Inverter Malfunction
68	Abnormal Control
72	Forced Stoppage by High Pressure Detection
76	Abnormality of Picking up Circuit for Protection



Value	Description
80	63H Early Return
84	Abnormal Compressor Motor (Step-Out)
88	Abnormal Combination of PCB
100	Abnormal Instruction Frequency

- **FAN1 run state (FAN1St)**

Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)
17	Usually steadying
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving
64	Fan Controller Malfunction
68	Abnormal Control
84	Abnormal Fan Motor (Step-Out)
100	Abnormal Instruction Frequency

- **Fan 2 control run state (FAN2St)**

Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)
17	Usually steadying
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving
64	Fan Controller Malfunction
68	Abnormal Control
84	Abnormal Fan Motor (Step-Out)
100	Abnormal Instruction Frequency

- **Fan 3 control run state (FAN3St)**



Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)
17	Usually steadying
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving
64	Fan Controller Malfunction
68	Abnormal Control
84	Abnormal Fan Motor (Step-Out)
100	Abnormal Instruction Frequency

- **Fan 4 control run state (FAN4St)**

Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)
17	Usually steadying
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving
64	Fan Controller Malfunction
68	Abnormal Control
84	Abnormal Fan Motor (Step-Out)
100	Abnormal Instruction Frequency

- **Fan Con State (FANSt)**

Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)



Value	Description
17	Usually stading
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving

3.2.4 LG

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3.2.4.1 LG PRO Indoor Units

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance					
VA	Index					
PIV				01	Capa	Capacity [BTU/h]
PIV				02	EEV	Electronic Expansion Valve [pls]
AI				03	PipeIn	Pipe In [°C]
AI				04	PipeOut	Pipe Out [°C]

3.2.4.2 LG PRO Outdoor Units

• SUPER3 Master

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance					
VA	Index					
CSV				00	Type	Outdoor Unit Type Name
CSV				01	Mode	Operation Mode
PIV				02	Err	Error Code
PIV				03	HiPrsTrc	Current high pressure [KPa]
PIV				04	LoPrsTrc	Current low pressure [KPa]
AI				05	ComprRatio	Compression ratio
PIV				06	InvTrcFrq	Inverter current frequency [Hz]
PIV				07	Fan1Trc	Fan1 current frequency [Hz]
PIV				08	Fan2Trc	Fan2 current frequency [Hz]
PIV				09	MainEEV	Main EEV [pls]
PIV				10	SubEEV	Sub EEV [pls]
PIV				11	ScEEV	Subcooling EEV [pls]
AI				12	AirT	Outdoor air temperature [°C]
AI				13	SuctT	Compressor suction temperature [°C]
AI				14	BubT	Condenser temperature [°C]
AI				15	DewT	Evaporator temperature [°C]
AI				16	InvDisT	Inverter discharge temperature [°C]
AI				17	Comp1DisT	Constant compressor1 discharge temperature [°C]
AI				18	Comp2DisT	Constant compressor2 discharge temperature [°C]
AI				19	HexT	Heat exchanger pipe temperature [°C]
AI				20	UpHexT	Top/Upper heat exchanger pipe temperature [°C]
AI				21	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]
AI				22	ScInT	Subcooling inlet temperature [°C]
AI				23	ScOutT	Subcooling outlet temperature [°C]



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			24			LiqT	Liquid pipe temperature [°C]
AI			25			SHTrc	Current degree of super heat [°C]
AI			26			SCTrc	Current degree of subcooling [°C]
AI			27			SCSCTrc	Current degree of subcooling and super heat [°C]
BI			28			4way	4 WAY valve
BI			29			CComp	Constant compressor
BI			30			HotGas	Hot gas
BI			31			InvLiqVlv	Inverter liquid pipe valve
BI			32			CCompLiqVlv	Constant/Fixed speed compressor liquid valve
PIV			33			MICOM	MICOM version

• SUPER3 Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
PIV			04	InvTrcFrq	Inverter current frequency [Hz]		
PIV			05	Fan1Trc	Fan1 current frequency [Hz]		
PIV			06	Fan2Trc	Fan2 current frequency [Hz]		
PIV			07	MainEEV	Main EEV [pls]		
PIV			08	SubEEV	Sub EEV [pls]		
PIV			09	ScEEV	Subcooling EEV [pls]		
AI			10	AirT	Outdoor air temperature [°C]		
AI			11	SuctT	Compressor suction temperature [°C]		
AI			12	BubT	Condenser temperature [°C]		
AI			13	DewT	Evaporator temperature [°C]		
AI			14	InvDisT	Inverter discharge temperature [°C]		
AI			15	Comp1DisT	Constant compressor1 discharge temperature [°C]		
AI			16	Comp2DisT	Constant compressor2 discharge temperature [°C]		
AI			17	HexT	Heat exchanger pipe temperature [°C]		
AI			18	UpHexT	Top/Upper heat exchanger pipe temperature [°C]		
AI			19	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]		
AI			20	ScInT	Subcooling inlet temperature [°C]		
AI			21	ScOutT	Subcooling outlet temperature [°C]		
AI			22	LiqT	Liquid pipe temperature [°C]		
AI			23	SHTrc	Current degree of super heat [°C]		
AI			24	SCTrc	Current degree of subcooling [°C]		
AI			25	SCSCTrc	Current degree of subcooling and super heat [°C]		
BI			26	4way	4 WAY valve		
BI			27	CComp	Constant compressor		
BI			28	HotGas	Hot gas		
BI			29	InvLiqVlv	Inverter liquid pipe valve		
BI			30	CCompLiqVlv	Constant/Fixed speed compressor liquid valve		
PIV			31	MICOM	MICOM version		

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Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00			Type	Outdoor Unit Type Name
CSV			01			Mode	Operation Mode
PIV			02			Err	Error Code



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV				03	HiPrsTrq	Target high pressure [KPa]	
PIV				04	LoPrsTrq	Target low pressure [KPa]	
AI				05	SCSHTrq	Target degree of subcooling and super heat [°C]	
PIV				06	HiPrsTrc	Current high pressure [KPa]	
PIV				07	LoPrsTrc	Current low pressure [KPa]	
AI				08	ComprRatio	Compression ratio	
PIV				09	Inv1TrgFrq	Inverter 1 target frequency [Hz]	
PIV				10	Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV				11	Inv2TrgFrq	Inverter 2 target frequency [Hz]	
PIV				12	Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV				13	Fan1Trc	FAN1 current RPM [rpm]	
PIV				14	Fan2Trc	FAN2 current RPM [rpm]	
PIV				15	MainEEV	Main EEV [pls]	
PIV				16	SubEEV	Sub EEV [pls]	
PIV				17	ScEEV	Subcooling EEV [pls]	
PIV				18	EqEEV	Oil supply EEV [pls]	
PIV				19	ViEEV1	Vapor injection EEV1 [pls]	
PIV				20	ViEEV2	Vapor injection EEV2 [pls]	
AI				21	AirT	Outdoor air temperature [°C]	
AI				22	SuctT	Compressor suction temperature [°C]	
AI				23	BubT	Condenser temperature [°C]	
AI				24	DewT	Evaporator temperature [°C]	
AI				25	Inv1DisT	Inverter 1 discharge temperature [°C]	
AI				26	Inv2DisT	Inverter 2 discharge temperature [°C]	
AI				27	HexT	Heat exchanger pipe temperature [°C]	
AI				28	UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI				29	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI				30	ScInT	Subcooling inlet temperature [°C]	
AI				31	ScOutT	Subcooling outlet temperature [°C]	
AI				32	LiqT	Liquid pipe temperature [°C]	
AI				33	SHTrc	Current degree of super heat [°C]	
AI				34	SCTrc	Current degree of subcooling [°C]	
AI				35	SCSCTrc	Current degree of subcooling and super heat [°C]	
AI				36	Inv1InCT	Inverter 1 input current [A]	
AI				37	Inv2InCT	Inverter 2 input current [A]	
PIV				38	Inv1InVT	Inverter 1 input voltage [V]	
PIV				39	Inv2InVT	Inverter 2 input voltage [V]	
AI				40	Inv1PhsCT	Inverter 1 phase current [A]	
AI				41	Inv2PhsCT	Inverter 2 phase current [A]	
PIV				42	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV				43	Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV				44	Inv1IpmT	Inverter 1 IPM temperature [°C]	
PIV				45	Inv2IpmT	Inverter 2 IPM temperature [°C]	
BI				46	4way	4 WAY valve	
BI				47	RcvIn	Normal close valve	
BI				48	RcvOut	Normal open valve	
BI				49	Inv1HtVlv	Inverter1 heater	
BI				50	Inv2HtVlv	Inverter2 heater	
BI				51	OilLv1	Oil level 1	
BI				52	OilLv2	Oil level 2	
BI				53	CompOper	Compressor operation	
BI				54	Inv1Bkp	Inverter1 backup	
BI				55	Inv2Bkp	Inverter2 backup	
PIV				56	MICOM	MICOM version	
PIV				57	CompQty	Compressor quantity	
PIV				58	Inv1Cap	Inverter 1 capacity [HP]	
PIV				59	Inv2Cap	Inverter 2 capacity [HP]	



• SUPER4 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	HiPrsTrc	Current high pressure [KPa]	
PIV				02	LoPrsTrc	Current low pressure [KPa]	
AI				03	ComprRatio	Compression ratio	
PIV				04	Inv1TrgFrq	Inverter 1 target frequency [Hz]	
PIV				05	Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV				06	Inv2TrgFrq	Inverter 2 target frequency [Hz]	
PIV				07	Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV				08	Fan1Trc	FAN1 current RPM [rpm]	
PIV				09	Fan2Trc	FAN2 current RPM [rpm]	
PIV				10	MainEEV	Main EEV [pls]	
PIV				11	SubEEV	Sub EEV [pls]	
PIV				12	ScEEV	Subcooling EEV [pls]	
PIV				13	EqEEV	Oil supply EEV [pls]	
PIV				14	ViEEV1	Vapor injection EEV1 [pls]	
PIV				15	ViEEV2	Vapor injection EEV2 [pls]	
AI				16	AirT	Outdoor air temperature [°C]	
AI				17	SuctT	Compressor suction temperature [°C]	
AI				18	BubT	Condenser temperature [°C]	
AI				19	DewT	Evaporator temperature [°C]	
AI				20	Inv1DisT	Inverter 1 discharge temperature [°C]	
AI				21	Inv2DisT	Inverter 2 discharge temperature [°C]	
AI				22	HexT	Heat exchanger pipe temperature [°C]	
AI				23	UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI				24	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI				25	ScInT	Subcooling inlet temperature [°C]	
AI				26	ScOutT	Subcooling outlet temperature [°C]	
AI				27	LiqT	Liquid pipe temperature [°C]	
AI				28	SHTrc	Current degree of super heat [°C]	
AI				29	SCTrc	Current degree of subcooling [°C]	
AI				30	SCSCTrc	Current degree of subcooling and super heat [°C]	
AI				31	Inv1InCT	Inverter 1 input current [A]	
AI				32	Inv2InCT	Inverter 2 input current [A]	
PIV				33	Inv1InVT	Inverter 1 input voltage [V]	
PIV				34	Inv2InVT	Inverter 2 input voltage [V]	
AI				35	Inv1PhsCT	Inverter 1 phase current [A]	
AI				36	Inv2PhsCT	Inverter 2 phase current [A]	
PIV				37	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV				38	Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV				39	Inv1IpmT	Inverter 1 IPM temperature [°C]	
PIV				40	Inv2IpmT	Inverter 2 IPM temperature [°C]	
BI				41	4way	4 WAY valve	
BI				42	RcvIn	Normal close valve	
BI				43	RcvOut	Normal open valve	
BI				44	Inv1HtVlv	Inverter1 heater	
BI				45	Inv2HtVlv	Inverter2 heater	
BI				46	OilLvl1	Oil level 1	
BI				47	OilLvl2	Oil level 2	
BI				48	CompOper	Compressor operation	
BI				49	Inv1Bkp	Inverter1 backup	
BI				50	Inv2Bkp	Inverter2 backup	
PIV				51	MICOM	MICOM version	
PIV				52	CompQty	Compressor quantity	
PIV				53	Inv1Cap	Inverter 1 capacity [HP]	
PIV				54	Inv2Cap	Inverter 2 capacity [HP]	



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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
PIV			03	HiPrsTrg	Target high pressure [KPa]		
PIV			04	LoPrsTrg	Target low pressure [KPa]		
AI			05	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			06	HiPrsTrc	Current high pressure [KPa]		
PIV			07	LoPrsTrc	Current low pressure [KPa]		
AI			08	ComprRatio	Compression ratio		
PIV			09	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			10	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			11	MainEEV	Main EEV [pls]		
PIV			12	ScEEV	Subcooling EEV [pls]		
AI			13	AirT	Outdoor air temperature [°C]		
AI			14	SuctT	Compressor suction temperature [°C]		
AI			15	BubT	Condenser temperature [°C]		
AI			16	DewT	Evaporator temperature [°C]		
AI			17	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			18	HexT	Heat exchanger pipe temperature [°C]		
AI			19	ScOutT	Subcooling outlet temperature [°C]		
AI			20	LiqT	Liquid pipe temperature [°C]		
AI			21	SHTrc	Current degree of super heat [°C]		
AI			22	SCTrc	Current degree of subcooling [°C]		
AI			23	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			24	Inv1InCT	Inverter 1 input current [A]		
PIV			25	Inv1InVT	Inverter 1 input voltage [V]		
AI			26	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			27	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			28	Inv1IpmT	Inverter 1 IPM temperature [°C]		
BI			29	4way	4 WAY valve		
BI			30	Inv1HtVlv	Inverter1 heater		
BI			31	OilLv1	Oil level 1		
BI			32	CompOper	Compressor operation		
BI			33	HotGas	Hot gas		
BI			34	Inv1Bkp	Inverter1 backup		
BI			35	DDC	DDC		
PIV			36	MICOM	MICOM version		
PIV			37	CompQty	Compressor quantity		

• WATER4 Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
PIV			04	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			05	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			06	MainEEV	Main EEV [pls]		
PIV			07	ScEEV	Subcooling EEV [pls]		
AI			08	AirT	Outdoor air temperature [°C]		
AI			09	SuctT	Compressor suction temperature [°C]		
AI			10	BubT	Condenser temperature [°C]		
AI			11	DewT	Evaporator temperature [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			12	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			13	HexT	Heat exchanger pipe temperature [°C]		
AI			14	ScOutT	Subcooling outlet temperature [°C]		
AI			15	LiqT	Liquid pipe temperature [°C]		
AI			16	SHTrc	Current degree of super heat [°C]		
AI			17	SCTrc	Current degree of subcooling [°C]		
AI			18	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			19	Inv1InCT	Inverter 1 input current [A]		
PIV			20	Inv1InVT	Inverter 1 input voltage [V]		
AI			21	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			22	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			23	Inv1IpMT	Inverter 1 IPM temperature [°C]		
BI			24	4way	4 WAY valve		
BI			25	Inv1HtVlv	Inverter1 heater		
BI			26	OilLvl1	Oil level 1		
BI			27	CompOper	Compressor operation		
BI			28	HotGas	Hot gas		
BI			29	Inv1Bkp	Inverter1 backup		
BI			30	DDC	DDC		
PIV			31	MICOM	MICOM version		
PIV			32	CompQty	Compressor quantity		

• MULTIV_S Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
CSV				01	Mode	Operation Mode	
PIV				02	Err	Error Code	
PIV				03	HiPrsTrq	Target high pressure [KPa]	
PIV				04	LoPrsTrq	Target low pressure [KPa]	
AI				05	SCSHTrq	Target degree of subcooling and super heat [°C]	
PIV				06	HiPrsTrc	Current high pressure [KPa]	
PIV				07	LoPrsTrc	Current low pressure [KPa]	
AI				08	ComprRatio	Compression ratio	
PIV				09	Inv1TrqFrq	Inverter 1 target frequency [Hz]	
PIV				10	Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV				11	Fan1Trc	FAN1 current RPM [rpm]	
PIV				12	MainEEV	Main EEV [pls]	
PIV				13	ScEEV	Subcooling EEV [pls]	
AI				14	AirT	Outdoor air temperature [°C]	
AI				15	SuctT	Compressor suction temperature [°C]	
AI				16	BubT	Condenser temperature [°C]	
AI				17	DewT	Evaporator temperature [°C]	
AI				18	Inv1DisT	Inverter 1 discharge temperature [°C]	
AI				19	HexT	Heat exchanger pipe temperature [°C]	
AI				20	ScInT	Subcooling inlet temperature [°C]	
AI				21	ScOutT	Subcooling outlet temperature [°C]	
AI				22	LiqT	Liquid pipe temperature [°C]	
AI				23	SHTrc	Current degree of super heat [°C]	
AI				24	SCTrc	Current degree of subcooling [°C]	
AI				25	SCSCTrc	Current degree of subcooling and super heat [°C]	
AI				26	Inv1InCT	Inverter 1 input current [A]	
PIV				27	Inv1InVT	Inverter 1 input voltage [V]	
AI				28	Inv1PhsCT	Inverter 1 phase current [A]	
PIV				29	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	30					Inv1IpmT	Inverter 1 IPM temperature [°C]
BI	31					Inv1HtVlv	Inverter1 heater
BI	32					CompOper	Compressor operation
PIV	33					MICOM	MICOM version
PIV	34					CompQty	Compressor quantity

• MULTIV_S Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					HiPrsTrc	Current high pressure [KPa]
PIV	02					LoPrsTrc	Current low pressure [KPa]
AI	03					ComprRatio	Compression ratio
PIV	04					Inv1TrgFrq	Inverter 1 target frequency [Hz]
PIV	05					Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV	06					Fan1Trc	FAN1 current RPM [rpm]
PIV	07					MainEEV	Main EEV [pls]
PIV	08					ScEEV	Subcooling EEV [pls]
AI	09					AirT	Outdoor air temperature [°C]
AI	10					SuctT	Compressor suction temperature [°C]
AI	11					BubT	Condenser temperature [°C]
AI	12					DewT	Evaporator temperature [°C]
AI	13					Inv1DisT	Inverter 1 discharge temperature [°C]
AI	14					HexT	Heat exchanger pipe temperature [°C]
AI	15					ScInT	Subcooling inlet temperature [°C]
AI	16					ScOutT	Subcooling outlet temperature [°C]
AI	17					LiqT	Liquid pipe temperature [°C]
AI	18					SHTrc	Current degree of super heat [°C]
AI	19					SCTrc	Current degree of subcooling [°C]
AI	20					SCSCTrc	Current degree of subcooling and super heat [°C]
AI	21					Inv1InCT	Inverter 1 input current [A]
PIV	22					Inv1InVT	Inverter 1 input voltage [V]
AI	23					Inv1PhsCT	Inverter 1 phase current [A]
PIV	24					Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV	25					Inv1IpmT	Inverter 1 IPM temperature [°C]
BI	26					Inv1HtVlv	Inverter1 heater
BI	27					CompOper	Compressor operation
PIV	28					MICOM	MICOM version
PIV	29					CompQty	Compressor quantity

• SUPER5 Master

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
CSV	01					Mode	Operation Mode
PIV	02					Err	Error Code
PIV	03					HiPrsTrg	Target high pressure [KPa]
PIV	04					LoPrsTrg	Target low pressure [KPa]
AI	05					SCSHTrg	Target degree of subcooling and super heat [°C]
PIV	06					HiPrsTrc	Current high pressure [KPa]
PIV	07					LoPrsTrc	Current low pressure [KPa]
AI	08					ComprRatio	Compression ratio
PIV	09					Inv1TrgFrq	Inverter 1 target frequency [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			10		Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV			11		Inv2TrgFrq	Inverter 2 target frequency [Hz]	
PIV			12		Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV			13		Fan1Trc	FAN1 current RPM [rpm]	
PIV			14		Fan2Trc	FAN2 current RPM [rpm]	
PIV			15		MainEEV	Main EEV [pls]	
PIV			16		SubEEV	Sub EEV [pls]	
PIV			17		ScEEV	Subcooling EEV [pls]	
PIV			18		ViEEV1	Vapor injection EEV1 [pls]	
PIV			19		ViEEV2	Vapor injection EEV2 [pls]	
AI			20		AirT	Outdoor air temperature [°C]	
AI			21		SuctT	Compressor suction temperature [°C]	
AI			22		BubT	Condenser temperature [°C]	
AI			23		DewT	Evaporator temperature [°C]	
AI			24		Inv1DisT	Inverter 1 discharge temperature [°C]	
AI			25		Inv2DisT	Inverter 2 discharge temperature [°C]	
AI			26		HexT	Heat exchanger pipe temperature [°C]	
AI			27		UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI			28		LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI			29		ScInT	Subcooling inlet temperature [°C]	
AI			30		ScOutT	Subcooling outlet temperature [°C]	
AI			31		LiqT	Liquid pipe temperature [°C]	
AI			32		SHTrc	Current degree of super heat [°C]	
AI			33		SCTrc	Current degree of subcooling [°C]	
AI			34		SCSCTrc	Current degree of subcooling and super heat [°C]	
AI			35		Inv1InCT	Inverter 1 input current [A]	
AI			36		Inv2InCT	Inverter 2 input current [A]	
PIV			37		Inv1InVT	Inverter 1 input voltage [V]	
PIV			38		Inv2InVT	Inverter 2 input voltage [V]	
AI			39		Inv1PhsCT	Inverter 1 phase current [A]	
AI			40		Inv2PhsCT	Inverter 2 phase current [A]	
PIV			41		Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV			42		Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV			43		Inv1IpMT	Inverter 1 IPM temperature [°C]	
PIV			44		Inv2IpMT	Inverter 2 IPM temperature [°C]	
BI			45		4way	4 WAY valve	
BI			46		RcvIn	Normal close valve	
BI			47		RcvOut	Normal open valve	
BI			48		Inv1HtVlv	Inverter1 heater	
BI			49		Inv2HtVlv	Inverter2 heater	
BI			50		OilLv1	Oil level 1	
BI			51		OilLv2	Oil level 2	
BI			52		CompOper	Compressor operation	
BI			53		Inv1Bkp	Inverter1 backup	
BI			54		Inv2Bkp	Inverter2 backup	
PIV			55		MICOM	MICOM version	
PIV			56		CompQty	Compressor quantity	
PIV			57		Inv1Cap	Inverter 1 capacity [HP]	
PIV			58		Inv2Cap	Inverter 2 capacity [HP]	

• SUPER5 Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	HiPrsTrc	Current high pressure [KPa]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
PIV			04	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			05	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			06	Inv2TrgFrq	Inverter 2 target frequency [Hz]		
PIV			07	Inv2TrcFrq	Inverter 2 current frequency [Hz]		
PIV			08	Fan1Trc	FAN1 current RPM [rpm]		
PIV			09	Fan2Trc	FAN2 current RPM [rpm]		
PIV			10	MainEEV	Main EEV [pls]		
PIV			11	SubEEV	Sub EEV [pls]		
PIV			12	ScEEV	Subcooling EEV [pls]		
PIV			13	ViEEV1	Vapor injection EEV1 [pls]		
PIV			14	ViEEV2	Vapor injection EEV2 [pls]		
AI			15	AirT	Outdoor air temperature [°C]		
AI			16	SuctT	Compressor suction temperature [°C]		
AI			17	BubT	Condenser temperature [°C]		
AI			18	DewT	Evaporator temperature [°C]		
AI			19	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			20	Inv2DisT	Inverter 2 discharge temperature [°C]		
AI			21	HexT	Heat exchanger pipe temperature [°C]		
AI			22	UpHexT	Top/Upper heat exchanger pipe temperature [°C]		
AI			23	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]		
AI			24	ScInT	Subcooling inlet temperature [°C]		
AI			25	ScOutT	Subcooling outlet temperature [°C]		
AI			26	LiqT	Liquid pipe temperature [°C]		
AI			27	SHTrc	Current degree of super heat [°C]		
AI			28	SCTrc	Current degree of subcooling [°C]		
AI			29	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			30	Inv1InCT	Inverter 1 input current [A]		
AI			31	Inv2InCT	Inverter 2 input current [A]		
PIV			32	Inv1InVT	Inverter 1 input voltage [V]		
PIV			33	Inv2InVT	Inverter 2 input voltage [V]		
AI			34	Inv1PhsCT	Inverter 1 phase current [A]		
AI			35	Inv2PhsCT	Inverter 2 phase current [A]		
PIV			36	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			37	Inv2DcLnk	Inverter 2 DC LINK voltage [V]		
PIV			38	Inv1IpmT	Inverter 1 IPM temperature [°C]		
PIV			39	Inv2IpmT	Inverter 2 IPM temperature [°C]		
BI			40	4way	4 WAY valve		
BI			41	RcvIn	Normal close valve		
BI			42	RcvOut	Normal open valve		
BI			43	Inv1HtVlv	Inverter1 heater		
BI			44	Inv2HtVlv	Inverter2 heater		
BI			45	OilLv1	Oil level 1		
BI			46	OilLv2	Oil level 2		
BI			47	CompOper	Compressor operation		
BI			48	Inv1Bkp	Inverter1 backup		
BI			49	Inv2Bkp	Inverter2 backup		
PIV			50	MICOM	MICOM version		
PIV			51	CompQty	Compressor quantity		
PIV			52	Inv1Cap	Inverter 1 capacity [HP]		
PIV			53	Inv2Cap	Inverter 2 capacity [HP]		

- WATER5 Master



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
PIV			03	HiPrsTrg	Target high pressure [KPa]		
PIV			04	LoPrsTrg	Target low pressure [KPa]		
AI			05	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			06	HiPrsTrc	Current high pressure [KPa]		
PIV			07	LoPrsTrc	Current low pressure [KPa]		
AI			08	ComprRatio	Compression ratio		
PIV			09	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			10	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			11	MainEEV	Main EEV [pls]		
PIV			12	ScEEV	Subcooling EEV [pls]		
AI			13	AirT	Outdoor air temperature [°C]		
AI			14	SuctT	Compressor suction temperature [°C]		
AI			15	BubT	Condenser temperature [°C]		
AI			16	DewT	Evaporator temperature [°C]		
AI			17	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			18	HtCncIEEVT	Heat cancel EEV temperature [°C]		
AI			19	ScOutT	Subcooling outlet temperature [°C]		
AI			20	LiqT	Liquid pipe temperature [°C]		
AI			21	HtSrcWtrOuT	Heat source water out [°C]		
AI			22	HtSrcWtrInT	Heat source water in [°C]		
AI			23	SHTrc	Current degree of super heat [°C]		
AI			24	SCTrc	Current degree of subcooling [°C]		
AI			25	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			26	HtCncIEEV	Heat cancel EEV [pls]		
AI			27	Inv1InCT	Inverter 1 input current [A]		
PIV			28	Inv1InVT	Inverter 1 input voltage [V]		
AI			29	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			30	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			31	Inv1IpmT	Inverter 1 IPM temperature [°C]		
BI			32	4way	4 WAY valve		
BI			33	Inv1HtVlv	Inverter1 heater		
BI			34	OilLv1	Oil level 1		
BI			35	CompOper	Compressor operation		
BI			36	HotGas	Hot gas		
BI			37	Inv1Bkp	Inverter1 backup		
BI			38	DDC	DDC		
PIV			39	MICOM	MICOM version		
PIV			40	CompQty	Compressor quantity		

• WATER5 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				HiPrsTrc	Current high pressure [KPa]	
PIV	02				LoPrsTrc	Current low pressure [KPa]	
AI	03				ComprRatio	Compression ratio	
PIV	04				Inv1TrgFrq	Inverter 1 target frequency [Hz]	
PIV	05				Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV	06				MainEEV	Main EEV [pls]	
PIV	07				ScEEV	Subcooling EEV [pls]	
AI	08				AirT	Outdoor air temperature [°C]	
AI	09				SuctT	Compressor suction temperature [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			10	BubT	Condenser temperature [°C]		
AI			11	DewT	Evaporator temperature [°C]		
AI			12	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			13	HtCncIEEV	Heat cancel EEV temperature [°C]		
AI			14	ScOutT	Subcooling outlet temperature [°C]		
AI			15	LiqT	Liquid pipe temperature [°C]		
AI			16	HtSrcWtrOuT	Heat source water out [°C]		
AI			17	HtSrcWtrInT	Heat source water in [°C]		
AI			18	SHTrc	Current degree of super heat [°C]		
AI			19	SCTrc	Current degree of subcooling [°C]		
AI			20	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			21	HtCncIEEV	Heat cancel EEV [pls]		
AI			22	Inv1InCT	Inverter 1 input current [A]		
PIV			23	Inv1InVT	Inverter 1 input voltage [V]		
AI			24	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			25	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			26	Inv1IpMT	Inverter 1 IPM temperature [°C]		
BI			27	4way	4 WAY valve		
BI			28	Inv1HtVlv	Inverter1 heater		
BI			29	OilLv1	Oil level 1		
BI			30	CompOper	Compressor operation		
BI			31	HotGas	Hot gas		
BI			32	Inv1Bkp	Inverter1 backup		
BI			33	DDC	DDC		
PIV			34	MICOM	MICOM version		
PIV			35	CompQty	Compressor quantity		

3.2.4.3 LG PRO Enumerated Parameters

- Operation Mode (Mode)

Value	Description
0	OFF
1	COOL
2	HEAT
3	OFF

- Inverter 1 capacity [HP] (Inv1Cap)

Value	Description
0	0
1	4.4
2	4.8
3	6.8
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0



- Inverter 2 capacity [HP] (Inv2Cap)

Value	Description
0	0
1	4.4
2	4.8
3	6.8
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0

3.2.5 LGMV

3.2.5.1 LGMV PRO Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	00					Capa	Capacity [kBtu/h]
PIV	01					EEV	Electronic Expansion Valve [pls]
AI	02					PipeIn	Pipe In x 0.1 [°C]
AI	03					PipeOut	Pipe Out x 0.1 [°C]
AI	04					SC/SH	Super Cool/Super Heat

3.2.5.2 LGMV PRO Outdoor Units

- MultiV IV Master

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor Unit Type Name
CSV				01		Mode	Operation Mode
PIV				02		Err	Error Code
AI				03		AvgT	Average indoor temperature [°C]
PIV				04		HiPrsTrg	Target high pressure [KPa]
PIV				05		LoPrsTrg	Target low pressure [KPa]
AI				06		SCSHTrg	Target degree of subcooling and super heat [°C]
PIV				07		HiPrsTrc	Current high pressure [KPa]
PIV				08		LoPrsTrc	Current low pressure [KPa]
AI				09		ComprRatio	Compression ratio
AI				10		SHTrg	Target degree of super heat [°C]
AI				11		SHTrc	Current degree of super heat [°C]
AI				12		SCTrc	Current degree of subcooling [°C]
AI				13		SCSCTrc	Current degree of subcooling and super heat [°C]
PIV				14		Inv1TrgFrq	Inverter 1 target frequency [Hz]
PIV				15		Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV				16		Inv2TrgFrq	Inverter 2 target frequency [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			17		Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV			18		Fan1Trg	FAN1 target RPM [rpm]	
PIV			19		Fan1Trc	FAN1 current RPM [rpm]	
PIV			20		Fan2Trc	FAN2 current RPM [rpm]	
PIV			21		MainEEV	Main EEV [pls]	
PIV			22		SubEEV	Sub EEV [pls]	
PIV			23		ScEEV	Subcooling EEV [pls]	
PIV			24		EqEEV	Oil supply EEV [pls]	
PIV			25		ViEEV1	Vapor injection EEV1 [pls]	
PIV			26		ViEEV2	Vapor injection EEV2 [pls]	
AI			27		AirT	Outdoor air temperature [°C]	
AI			28		SuctT	Compressor suction temperature [°C]	
AI			29		BubT	Condenser temperature [°C]	
AI			30		DewT	Evaporator temperature [°C]	
AI			31		Inv1DisT	Inverter 1 discharge temperature [°C]	
AI			32		Inv2DisT	Inverter 2 discharge temperature [°C]	
AI			33		HexT	Heat exchanger pipe temperature [°C]	
AI			34		UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI			35		LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI			36		ScInT	Subcooling inlet temperature [°C]	
AI			37		ScOutT	Subcooling outlet temperature [°C]	
AI			38		LiqT	Liquid pipe temperature [°C]	
AI			39		Inv1InCT	Inverter 1 input current [A]	
AI			40		Inv2InCT	Inverter 2 input current [A]	
PIV			41		Inv1InVT	Inverter 1 input voltage [V]	
PIV			42		Inv2InVT	Inverter 2 input voltage [V]	
PIV			43		Inv1PwrFrq	Inverter 1 power frequency [Hz]	
PIV			44		Inv2PwrFrq	Inverter 2 power frequency [Hz]	
AI			45		Inv1PhsCT	Inverter 1 phase current [A]	
AI			46		Inv2PhsCT	Inverter 2 phase current [A]	
AI			47		Fan1PhsCT	Fan1 phase current [A]	
AI			48		Fan2PhsCT	Fan2 phase current [A]	
PIV			49		FanDcLnk	Fan DC LINK voltage [V]	
PIV			50		Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV			51		Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV			52		Inv1IpmT	Inverter 1 IPM temperature [°C]	
PIV			53		Inv2IpmT	Inverter 2 IPM temperature [°C]	
AI			54		FanHtSnkT	Outdoor fan heat sink temperature [°C]	
PIV			55		DrifSnow	Drifted snow	
BI			56		Accum	Oil return valve	
BI			57		4way	4 WAY valve	
BI			58		HexVlv	Heat exchanger valve	
BI			59		HexUpVlv	Heat exchanger top valve	
BI			60		HexDnVlv	Heat exchanger bottom valve	
BI			61		RcvIn	Normal close valve	
BI			62		RcvOut	Normal open valve	
BI			63		SuctVlv	Suction valve	
BI			64		Inv1HtVlv	Inverter1 heater	
BI			65		Inv2HtVlv	Inverter2 heater	
BI			66		OilLv1	Oil level 1	
BI			67		OilLv2	Oil level 2	

- MultiV IV Slave



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
AI			04	SHTrg	Target degree of super heat [°C]		
AI			05	SHTrc	Current degree of super heat [°C]		
AI			06	SCTrc	Current degree of subcooling [°C]		
AI			07	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			08	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			09	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			10	Inv2TrgFrq	Inverter 2 target frequency [Hz]		
PIV			11	Inv2TrcFrq	Inverter 2 current frequency [Hz]		
PIV			12	Fan1Trg	FAN1 target RPM [rpm]		
PIV			13	Fan1Trc	FAN1 current RPM [rpm]		
PIV			14	Fan2Trc	FAN2 current RPM [rpm]		
PIV			15	MainEEV	Main EEV [pls]		
PIV			16	SubEEV	Sub EEV [pls]		
PIV			17	ScEEV	Subcooling EEV [pls]		
PIV			18	EqEEV	Oil supply EEV [pls]		
PIV			19	ViEEV1	Vapor injection EEV1 [pls]		
PIV			20	ViEEV2	Vapor injection EEV2 [pls]		
AI			21	AirT	Outdoor air temperature [°C]		
AI			22	SuctT	Compressor suction temperature [°C]		
AI			23	BubT	Condenser temperature [°C]		
AI			24	DewT	Evaporator temperature [°C]		
AI			25	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			26	Inv2DisT	Inverter 2 discharge temperature [°C]		
AI			27	HexT	Heat exchanger pipe temperature [°C]		
AI			28	UpHexT	Top/Upper heat exchanger pipe temperature [°C]		
AI			29	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]		
AI			30	ScInT	Subcooling inlet temperature [°C]		
AI			31	ScOutT	Subcooling outlet temperature [°C]		
AI			32	LiqT	Liquid pipe temperature [°C]		
AI			33	Inv1InCT	Inverter 1 input current [A]		
AI			34	Inv2InCT	Inverter 2 input current [A]		
PIV			35	Inv1InVT	Inverter 1 input voltage [V]		
PIV			36	Inv2InVT	Inverter 2 input voltage [V]		
PIV			37	Inv1PwrFrq	Inverter 1 power frequency [Hz]		
PIV			38	Inv2PwrFrq	Inverter 2 power frequency [Hz]		
AI			39	Inv1PhsCT	Inverter 1 phase current [A]		
AI			40	Inv2PhsCT	Inverter 2 phase current [A]		
AI			41	Fan1PhsCT	Fan1 phase current [A]		
AI			42	Fan2PhsCT	Fan2 phase current [A]		
PIV			43	FanDcLnk	Fan DC LINK voltage [V]		
PIV			44	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			45	Inv2DcLnk	Inverter 2 DC LINK voltage [V]		
PIV			46	Inv1IpmT	Inverter 1 IPM temperature [°C]		
PIV			47	Inv2IpmT	Inverter 2 IPM temperature [°C]		
AI			48	FanHtSnkT	Outdoor fan heat sink temperature [°C]		
PIV			49	DrifSnow	Drifted snow		
BI			50	Accum	Oil return valve		
BI			51	4way	4 WAY valve		
BI			52	HexVlv	Heat exchanger valve		
BI			53	HexUpVlv	Heat exchanger top valve		
BI			54	HexDnVlv	Heat exchanger bottom valve		
BI			55	RcvIn	Normal close valve		
BI			56	RcvOut	Normal open valve		
BI			57	SuctVlv	Suction valve		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	58				Inv1HtVlv	Inverter1 heater	
BI	59				Inv2HtVlv	Inverter2 heater	
BI	60				OilLv1	Oil level 1	
BI	61				OilLv2	Oil level 2	

• MultiV Plus II Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
CSV					01	Mode	Operation Mode
PIV					02	Err	Error Code
AI					03	AvqT	Average indoor temperature [°C]
PIV					04	HiPrsTrg	Target high pressure [KPa]
PIV					05	LoPrsTrg	Target low pressure [KPa]
AI					06	SHTrg	Target degree of super heat [°C]
AI					07	SCSHTrg	Target degree of subcooling and super heat [°C]
AI					08	SCSCTrc	Current degree of subcooling and super heat [°C]
PIV					09	HiPrsTrc	Current high pressure [KPa]
PIV					10	LoPrsTrc	Current low pressure [KPa]
AI					11	SHTrc	Current degree of super heat [°C]
PIV					12	InvTrgFrq	Inverter target frequency [Hz]
PIV					13	InvTrcFrq	Inverter current frequency [Hz]
PIV					14	Fan1Trg	Fan1 target frequency [Hz]
PIV					15	Fan1Trc	Fan1 current frequency [Hz]
PIV					16	Fan2Trc	Fan2 current frequency [Hz]
PIV					17	MainEEV	Main EEV [pls]
PIV					18	ScEEV	Subcooling EEV [pls]
AI					19	AirT	Outdoor air temperature [°C]
AI					20	SuctT	Compressor suction temperature [°C]
AI					21	BubT	Condenser temperature [°C]
AI					22	DewT	Evaporator temperature [°C]
AI					23	InvDisT	Inverter discharge temperature [°C]
AI					24	CompDisT	Constant compressor discharge temperature [°C]
AI					25	HexTF	Heat exchanger pipe temperature (front) [°C]
AI					26	HexTB	Heat exchanger pipe temperature (back/rear) [°C]
AI					27	ScInT	Subcooling inlet temperature [°C]
AI					28	ScOutT	Subcooling outlet temperature [°C]
AI					29	LiqT	Liquid pipe temperature [°C]
AI					30	InvCT	Inverter current value [A]
AI					31	CompCT	Compressor current value [A]
PIV					32	InvV	Inverter voltage [V]
PIV					33	CompV	Compressor voltage [V]
PIV					34	PwrFrq	Power frequency [Hz]
AI					35	InvI	Inverter current [A]
AI					36	Fan1I	Fan1 current [A]
AI					37	Fan2I	Fan2 current [A]
PIV					38	Fan1V	Fan1 voltage [V]
PIV					39	Fan2V	Fan2 voltage [V]
PIV					40	DcLnk	DC Link voltage [V]
AI					41	CompHtSnkT	Compressor heat sink temperature [°C]
BI					42	4way	4 WAY valve
BI					43	PCBFan	PCB fan
BI					44	CComp	Constant compressor
BI					45	HotGas	Hot gas
BI					46	LiqIjtInv	Liquid injection valve (inverter)



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	47					LiqIjtStd	Liquid injection valve (standard)
PIV	48					PCBVer	PCB version
PIV	49					EEPVer	EEP version

• MultiV Plus II Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					HiPrsTrc	Current high pressure [KPa]
PIV	02					LoPrsTrc	Current low pressure [KPa]
AI	03					SHTrc	Current degree of super heat [°C]
PIV	04					InvTrgFrq	Inverter target frequency [Hz]
PIV	05					InvTrcFrq	Inverter current frequency [Hz]
PIV	06					Fan1Trg	Fan1 target frequency [Hz]
PIV	07					Fan1Trc	Fan1 current frequency [Hz]
PIV	08					Fan2Trc	Fan2 current frequency [Hz]
PIV	09					MainEEV	Main EEV [pls]
PIV	10					ScEEV	Subcooling EEV [pls]
AI	11					AirT	Outdoor air temperature [°C]
AI	12					SuctT	Compressor suction temperature [°C]
AI	13					BubT	Condenser temperature [°C]
AI	14					DewT	Evaporator temperature [°C]
AI	15					InvDisT	Inverter discharge temperature [°C]
AI	16					CompDisT	Constant compressor discharge temperature [°C]
AI	17					HexTF	Heat exchanger pipe temperature (front) [°C]
AI	18					HexTB	Heat exchanger pipe temperature (back/rear) [°C]
AI	19					ScInT	Subcooling inlet temperature [°C]
AI	20					ScOutT	Subcooling outlet temperature [°C]
AI	21					LiqT	Liquid pipe temperature [°C]
AI	22					InvCT	Inverter current value [A]
AI	23					CompCT	Compressor current value [A]
PIV	24					InvV	Inverter voltage [V]
PIV	25					CompV	Compressor voltage [V]
PIV	26					PwrFrq	Power frequency [Hz]
AI	27					InvI	Inverter current [A]
AI	28					Fan1I	Fan1 current [A]
AI	29					Fan2I	Fan2 current [A]
PIV	30					Fan1V	Fan1 voltage [V]
PIV	31					Fan2V	Fan2 voltage [V]
PIV	32					DcLnk	DC Link voltage [V]
AI	33					CompHtSnkT	Compressor heat sink temperature [°C]
BI	34					4way	4 WAY valve
BI	35					PCBFan	PCB fan
BI	36					CComp	Constant compressor
BI	37					HotGas	Hot gas
BI	38					LiqIjtInv	Liquid injection valve (inverter)
BI	39					LiqIjtStd	Liquid injection valve (standard)
PIV	40					PCBVer	PCB version
PIV	41					EEPVer	EEP version

• MultiV III Master



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
AI			03	AvgT	Average indoor temperature [°C]		
PIV			04	HiPrsTrg	Target high pressure [KPa]		
PIV			05	LoPrsTrg	Target low pressure [KPa]		
AI			06	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			07	HiPrsTrc	Current high pressure [KPa]		
PIV			08	LoPrsTrc	Current low pressure [KPa]		
AI			09	ComprRatio	Compression ratio		
AI			10	SHTrg	Target degree of super heat [°C]		
AI			11	SHTrc	Current degree of super heat [°C]		
AI			12	SCTrc	Current degree of subcooling [°C]		
AI			13	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			14	InvTrgFrq	Inverter target frequency [Hz]		
PIV			15	InvTrcFrq	Inverter current frequency [Hz]		
PIV			16	Fan1Trg	FAN1 target RPM [rpm]		
PIV			17	Fan1Trc	FAN1 current RPM [rpm]		
PIV			18	Fan2Trg	FAN2 target RPM [rpm]		
PIV			19	Fan2Trc	FAN2 current RPM [rpm]		
PIV			20	MainEEV	Main EEV [pls]		
PIV			21	SubEEV	Sub EEV [pls]		
PIV			22	ScEEV	Subcooling EEV [pls]		
PIV			23	EqEEV	Oil supply EEV [pls]		
AI			24	AirT	Outdoor air temperature [°C]		
AI			25	SuctT	Compressor suction temperature [°C]		
AI			26	BubT	Condenser temperature [°C]		
AI			27	DewT	Evaporator temperature [°C]		
AI			28	InvDisT	Inverter discharge temperature [°C]		
AI			29	Comp1DisT	Constant compressor1 discharge temperature [°C]		
AI			30	Comp2DisT	Constant compressor2 discharge temperature [°C]		
AI			31	HexT	Heat exchanger pipe temperature [°C]		
AI			32	UpHexT	Top/Upper heat exchanger pipe temperature [°C]		
AI			33	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]		
AI			34	ScInT	Subcooling inlet temperature [°C]		
AI			35	ScOutT	Subcooling outlet temperature [°C]		
AI			36	LiqT	Liquid pipe temperature [°C]		
AI			37	InvOilT	Inverter oil supply temperature [°C]		
AI			38	Comp1OilT	Compressor1 oil supply temperature [°C]		
AI			39	Comp2OilT	Compressor2 oil supply temperature [°C]		
AI			40	InvCT	Inverter current value [A]		
AI			41	Comp1CT	Compressor1 current value [A]		
AI			42	Comp2CT	Compressor2 current value [A]		
PIV			43	InvV	Inverter voltage [V]		
PIV			44	InvPwrFrq	Inverter power frequency [Hz]		
AI			45	InvPhsCT	Inverter phase current [A]		
AI			46	Fan1PhsCT	Fan1 phase current [A]		
AI			47	Fan2PhsCT	Fan2 phase current [A]		
PIV			48	InvDcLnk	Inverter DC LINK voltage [V]		
AI			49	InvIpmT	Inverter IPM temperature [°C]		
AI			50	FanHtSnkT	Outdoor fan heat sink temperature [°C]		
PIV			51	Fan1V	Fan1 voltage [V]		
PIV			52	Fan2V	Fan2 voltage [V]		
BI			53	Accum	Oil return valve		
BI			54	4way	4 WAY valve		
BI			55	Comp1	Compressor1		
BI			56	Comp2	Compressor2		
BI			57	HotGas	Hot gas		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	58				InvHtVlv	Inverter heater valve	
BI	59				Comp1HtVlv	Compressor1 heater valve	
BI	60				Comp2HtVlv	Compressor2 heater valve	
BI	61				HexUpVlv	Heat exchanger top valve	
BI	62				HexDnVlv	Heat exchanger bottom valve	
BI	63				InvIjt	Inverter injection valve	
BI	64				Comp1Ijt	Compressor1 injection valve	
BI	65				Comp2Ijt	Compressor2 injection valve	
BI	66				ScIjt	SC injection valve	
PIV	67				EEPVer	EEP version	

• MultiV III Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
AI			04	SHTrg	Target degree of super heat [°C]		
AI			05	SHTrc	Current degree of super heat [°C]		
AI			06	SCTrc	Current degree of subcooling [°C]		
AI			07	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			08	InvTrqFrq	Inverter target frequency [Hz]		
PIV			09	InvTrcFrq	Inverter current frequency [Hz]		
PIV			10	Fan1Trg	FAN1 target RPM [rpm]		
PIV			11	Fan1Trc	FAN1 current RPM [rpm]		
PIV			12	Fan2Trg	FAN2 target RPM [rpm]		
PIV			13	Fan2Trc	FAN2 current RPM [rpm]		
PIV			14	MainEEV	Main EEV [pls]		
PIV			15	SubEEV	Sub EEV [pls]		
PIV			16	ScEEV	Subcooling EEV [pls]		
PIV			17	EqEEV	Oil supply EEV [pls]		
AI			18	AirT	Outdoor air temperature [°C]		
AI			19	SuctT	Compressor suction temperature [°C]		
AI			20	BubT	Condenser temperature [°C]		
AI			21	DewT	Evaporator temperature [°C]		
AI			22	InvDisT	Inverter discharge temperature [°C]		
AI			23	Comp1DisT	Constant compressor1 discharge temperature [°C]		
AI			24	Comp2DisT	Constant compressor2 discharge temperature [°C]		
AI			25	HexT	Heat exchanger pipe temperature [°C]		
AI			26	UpHexT	Top/Upper heat exchanger pipe temperature [°C]		
AI			27	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]		
AI			28	ScInT	Subcooling inlet temperature [°C]		
AI			29	ScOutT	Subcooling outlet temperature [°C]		
AI			30	LiqT	Liquid pipe temperature [°C]		
AI			31	InvOilT	Inverter oil supply temperature [°C]		
AI			32	Comp1OilT	Compressor1 oil supply temperature [°C]		
AI			33	Comp2OilT	Compressor2 oil supply temperature [°C]		
AI			34	InvCT	Inverter current value [A]		
AI			35	Comp1CT	Compressor1 current value [A]		
AI			36	Comp2CT	Compressor2 current value [A]		
PIV			37	InvV	Inverter voltage [V]		
PIV			38	InvPwrFrq	Inverter power frequency [Hz]		
AI			39	InvPhsCT	Inverter phase current [A]		
AI			40	Fan1PhsCT	Fan1 phase current [A]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			41	Fan2PhsCT	Fan2 phase current [A]		
PIV			42	InvDcLnk	Inverter DC LINK voltage [V]		
AI			43	InvIpmT	Inverter IPM temperature [°C]		
AI			44	FanHtSnkT	Outdoor fan heat sink temperature [°C]		
PIV			45	Fan1V	Fan1 voltage [V]		
PIV			46	Fan2V	Fan2 voltage [V]		
BI			47	Accum	Oil return valve		
BI			48	4way	4 WAY valve		
BI			49	Comp1	Compressor1		
BI			50	Comp2	Compressor2		
BI			51	HotGas	Hot gas		
BI			52	InvHtVlv	Inverter heater valve		
BI			53	Comp1HtVlv	Compressor1 heater valve		
BI			54	Comp2HtVlv	Compressor2 heater valve		
BI			55	HexUpVlv	Heat exchanger top valve		
BI			56	HexDnVlv	Heat exchanger bottom valve		
BI			57	InvIjt	Inverter injection valve		
BI			58	Comp1Ijt	Compressor1 injection valve		
BI			59	Comp2Ijt	Compressor2 injection valve		
BI			60	ScIjt	SC injection valve		
PIV			61	EEPVer	EEP version		

• MultiV III HR Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
AI			03	AvgT	Average indoor temperature [°C]		
PIV			04	HiPrsTrq	Target high pressure [KPa]		
PIV			05	LoPrsTrq	Target low pressure [KPa]		
AI			06	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			07	HiPrsTrc	Current high pressure [KPa]		
PIV			08	LoPrsTrc	Current low pressure [KPa]		
AI			09	ComprRatio	Compression ratio		
AI			10	SHTrg	Target degree of super heat [°C]		
AI			11	SHTrc	Current degree of super heat [°C]		
AI			12	SCTrc	Current degree of subcooling [°C]		
AI			13	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			14	InvTrgFrq	Inverter target frequency [Hz]		
PIV			15	InvTrcFrq	Inverter current frequency [Hz]		
PIV			16	Fan1Trg	FAN1 target RPM [rpm]		
PIV			17	Fan1Trc	FAN1 current RPM [rpm]		
PIV			18	Fan2Trg	FAN2 target RPM [rpm]		
PIV			19	Fan2Trc	FAN2 current RPM [rpm]		
PIV			20	MainEEV	Main EEV [pls]		
PIV			21	SubEEV	Sub EEV [pls]		
PIV			22	ScEEV	Subcooling EEV [pls]		
PIV			23	EqEEV	Oil supply EEV [pls]		
AI			24	AirT	Outdoor air temperature [°C]		
AI			25	SuctT	Compressor suction temperature [°C]		
AI			26	BubT	Condenser temperature [°C]		
AI			27	DewT	Evaporator temperature [°C]		
AI			28	InvDisT	Inverter discharge temperature [°C]		
AI			29	Comp1DisT	Constant compressor1 discharge temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				30	Comp2DisT	Constant compressor2 discharge temperature [°C]	
AI				31	HexT	Heat exchanger pipe temperature [°C]	
AI				32	UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI				33	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI				34	ScInT	Subcooling inlet temperature [°C]	
AI				35	ScOutT	Subcooling outlet temperature [°C]	
AI				36	LiqT	Liquid pipe temperature [°C]	
AI				37	InvOilT	Inverter oil supply temperature [°C]	
AI				38	Comp1OilT	Compressor1 oil supply temperature [°C]	
AI				39	Comp2OilT	Compressor2 oil supply temperature [°C]	
AI				40	InvCT	Inverter current value [A]	
AI				41	Comp1CT	Compressor1 current value [A]	
AI				42	Comp2CT	Compressor2 current value [A]	
PIV				43	InvV	Inverter voltage [V]	
PIV				44	InvPwrFrq	Inverter power frequency [Hz]	
AI				45	InvPhsCT	Inverter phase current [A]	
AI				46	Fan1PhsCT	Fan1 phase current [A]	
AI				47	Fan2PhsCT	Fan2 phase current [A]	
PIV				48	InvDcLnk	Inverter DC LINK voltage [V]	
AI				49	InvIpmT	Inverter IPM temperature [°C]	
AI				50	FanHtSnkT	Outdoor fan heat sink temperature [°C]	
PIV				51	Fan1V	Fan1 voltage [V]	
PIV				52	Fan2V	Fan2 voltage [V]	
BI				53	Accum	Oil return valve	
BI				54	4wayUp	4 WAY up valve	
BI				55	4wayDn	4 WAY down valve	
BI				56	Comp1	Compressor1	
BI				57	Comp2	Compressor2	
BI				58	HotGas	Hot gas	
BI				59	InvHtVlv	Inverter heater valve	
BI				60	Comp1HtVlv	Compressor1 heater valve	
BI				61	Comp2HtVlv	Compressor2 heater valve	
BI				62	HexUpVlv	Heat exchanger top valve	
BI				63	HexDnVlv	Heat exchanger bottom valve	
BI				64	InvIjt	Inverter injection valve	
BI				65	Comp1Ijt	Compressor1 injection valve	
BI				66	Comp2Ijt	Compressor2 injection valve	
BI				67	ScIjt	SC injection valve	
PIV				68	EEPVer	EEP version	

• MultiV III HR Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
AI			04	SHTrg	Target degree of super heat [°C]		
AI			05	SHTrc	Current degree of super heat [°C]		
AI			06	SCTrc	Current degree of subcooling [°C]		
AI			07	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			08	InvTrgFrq	Inverter target frequency [Hz]		
PIV			09	InvTrcFrq	Inverter current frequency [Hz]		
PIV			10	Fan1Trg	FAN1 target RPM [rpm]		
PIV			11	Fan1Trc	FAN1 current RPM [rpm]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			12		Fan2Trq	FAN2 target RPM [rpm]	
PIV			13		Fan2Trc	FAN2 current RPM [rpm]	
PIV			14		MainEEV	Main EEV [pls]	
PIV			15		SubEEV	Sub EEV [pls]	
PIV			16		ScEEV	Subcooling EEV [pls]	
PIV			17		EqEEV	Oil supply EEV [pls]	
AI			18		AirT	Outdoor air temperature [°C]	
AI			19		SuctT	Compressor suction temperature [°C]	
AI			20		BubT	Condenser temperature [°C]	
AI			21		DewT	Evaporator temperature [°C]	
AI			22		InvDisT	Inverter discharge temperature [°C]	
AI			23		Comp1DisT	Constant compressor1 discharge temperature [°C]	
AI			24		Comp2DisT	Constant compressor2 discharge temperature [°C]	
AI			25		HexT	Heat exchanger pipe temperature [°C]	
AI			26		UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI			27		LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI			28		ScInT	Subcooling inlet temperature [°C]	
AI			29		ScOutT	Subcooling outlet temperature [°C]	
AI			30		LiqT	Liquid pipe temperature [°C]	
AI			31		InvOilT	Inverter oil supply temperature [°C]	
AI			32		Comp1OilT	Compressor1 oil supply temperature [°C]	
AI			33		Comp2OilT	Compressor2 oil supply temperature [°C]	
AI			34		InvCT	Inverter current value [A]	
AI			35		Comp1CT	Compressor1 current value [A]	
AI			36		Comp2CT	Compressor2 current value [A]	
PIV			37		InvV	Inverter voltage [V]	
PIV			38		InvPwrFrq	Inverter power frequency [Hz]	
AI			39		InvPhsCT	Inverter phase current [A]	
AI			40		Fan1PhsCT	Fan1 phase current [A]	
AI			41		Fan2PhsCT	Fan2 phase current [A]	
PIV			42		InvDcLnk	Inverter DC LINK voltage [V]	
AI			43		InvIpmT	Inverter IPM temperature [°C]	
AI			44		FanHtSnkT	Outdoor fan heat sink temperature [°C]	
PIV			45		Fan1V	Fan1 voltage [V]	
PIV			46		Fan2V	Fan2 voltage [V]	
BI			47		Accum	Oil return valve	
BI			48		4wayUp	4 WAY up valve	
BI			49		4wayDn	4 WAY down valve	
BI			50		Comp1	Compressor1	
BI			51		Comp2	Compressor2	
BI			52		HotGas	Hot gas	
BI			53		InvHtVlv	Inverter heater valve	
BI			54		Comp1HtVlv	Compressor1 heater valve	
BI			55		Comp2HtVlv	Compressor2 heater valve	
BI			56		HexUpVlv	Heat exchanger top valve	
BI			57		HexDnVlv	Heat exchanger bottom valve	
BI			58		InvIjt	Inverter injection valve	
BI			59		Comp1Ijt	Compressor1 injection valve	
BI			60		Comp2Ijt	Compressor2 injection valve	
BI			61		ScIjt	SC injection valve	
PIV			62		EEPVer	EEP version	

- HRU Master



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				P1Md	Pipe 1 mode	
PIV	02				P2Md	Pipe 2 mode	
PIV	03				P3Md	Pipe 3 mode	
PIV	04				P4Md	Pipe 4 mode	
PIV	05				EEV	EEV [pls]	
AI	06				LiqT	Liquid temperature [°C]	
AI	07				InT	Pipe inlet temperature [°C]	
AI	08				OutT	Pipe outlet temperature [°C]	
PIV	09				NumIDU	Number of IDU	
PIV	10				SetP	Set pipe	

• MultiV S Mini Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV		00	Type	Outdoor Unit Type Name			
CSV		01	Mode	Operation Mode			
PIV		02	Err	Error Code			
AI		03	AvgT	Average indoor temperature [°C]			
PIV		04	HiPrsTrg	Target high pressure [KPa]			
PIV		05	LoPrsTrg	Target low pressure [KPa]			
AI		06	SHTrg	Target degree of super heat [°C]			
PIV		07	HiPrsTrc	Current high pressure [KPa]			
PIV		08	LoPrsTrc	Current low pressure [KPa]			
AI		09	ComprRatio	Compression ratio			
AI		10	SCSHTrg	Target degree of subcooling and super heat [°C]			
AI		11	SCSCTrc	Current degree of subcooling and super heat [°C]			
AI		12	SHTrc	Current degree of super heat [°C]			
AI		13	SCTrc	Current degree of subcooling [°C]			
PIV		14	InvTrgFrq	Inverter target frequency [Hz]			
PIV		15	InvTrcFrq	Inverter current frequency [Hz]			
PIV		16	Fan1Trg	FAN1 target RPM [rpm]			
PIV		17	Fan1Trc	FAN1 current RPM [rpm]			
PIV		18	Fan2Trg	FAN2 target RPM [rpm]			
PIV		19	Fan2Trc	FAN2 current RPM [rpm]			
PIV		20	MainEEV	Main EEV [pls]			
PIV		21	ScEEV	Subcooling EEV [pls]			
AI		22	AirT	Outdoor air temperature [°C]			
AI		23	SuctT	Compressor suction temperature [°C]			
AI		24	CondT	Condenser temperature [°C]			
AI		25	EvapT	Evaporator temperature [°C]			
AI		26	InvDisT	Inverter discharge temperature [°C]			
AI		27	HexT	Heat exchanger pipe temperature [°C]			
AI		28	ScOutT	Subcooling outlet temperature [°C]			
AI		29	LiqT	Liquid pipe temperature [°C]			
AI		30	InvInCT	Inverter input current [A]			
PIV		31	InvPwrFrq	Inverter power frequency [Hz]			
AI		32	InvPhsCT	Inverter phase current [A]			
PIV		33	InvDcLnk	Inverter DC LINK voltage [V]			
PIV		34	InPhsVT	Input phase voltage [V]			
AI		35	CompHtSnkT	Compressor heat sink temperature [°C]			
BI		36	4way	4 WAY valve			
BI		37	InvHtVlv	Inverter heater valve			
BI		38	CoolFan	Cooling fan			
BI		39	HotGas	Hot gas			



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	40					InvOvld	Inverter overload
BI	41					HtSnkLim	Heatsink limit
PIV	42					MainVer	Main version
PIV	43					EEPVer	EEP version

• SUPER3 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
CSV					01	Mode	Operation Mode
PIV					02	Err	Error Code
PIV					03	HiPrsTrc	Current high pressure [KPa]
PIV					04	LoPrsTrc	Current low pressure [KPa]
AI					05	ComprRatio	Compression ratio
PIV					06	InvTrcFrq	Inverter current frequency [Hz]
PIV					07	Fan1Trc	Fan1 current frequency [Hz]
PIV					08	Fan2Trc	Fan2 current frequency [Hz]
PIV					09	MainEEV	Main EEV [pls]
PIV					10	SubEEV	Sub EEV [pls]
PIV					11	ScEEV	Subcooling EEV [pls]
AI					12	AirT	Outdoor air temperature [°C]
AI					13	SuctT	Compressor suction temperature [°C]
AI					14	BubT	Condenser temperature [°C]
AI					15	DewT	Evaporator temperature [°C]
AI					16	InvDisT	Inverter discharge temperature [°C]
AI					17	Comp1DisT	Constant compressor1 discharge temperature [°C]
AI					18	Comp2DisT	Constant compressor2 discharge temperature [°C]
AI					19	HexT	Heat exchanger pipe temperature [°C]
AI					20	UpHexT	Top/Upper heat exchanger pipe temperature [°C]
AI					21	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]
AI					22	ScInT	Subcooling inlet temperature [°C]
AI					23	ScOutT	Subcooling outlet temperature [°C]
AI					24	LiqT	Liquid pipe temperature [°C]
AI					25	SHTrc	Current degree of super heat [°C]
AI					26	SCTrc	Current degree of subcooling [°C]
AI					27	SCSCTrc	Current degree of subcooling and super heat [°C]
BI					28	4way	4 WAY valve
BI					29	CComp	Constant compressor
BI					30	HotGas	Hot gas
BI					31	InvLiqVlv	Inverter liquid pipe valve
BI					32	CCompLiqVlv	Constant/Fixed speed compressor liquid valve
PIV					33	MICOM	MICOM version

• SUPER3 Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					HiPrsTrc	Current high pressure [KPa]
PIV	02					LoPrsTrc	Current low pressure [KPa]
AI	03					ComprRatio	Compression ratio
PIV	04					InvTrcFrq	Inverter current frequency [Hz]
PIV	05					Fan1Trc	Fan1 current frequency [Hz]
PIV	06					Fan2Trc	Fan2 current frequency [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			07	MainEEV	Main EEV [pls]		
PIV			08	SubEEV	Sub EEV [pls]		
PIV			09	ScEEV	Subcooling EEV [pls]		
AI			10	AirT	Outdoor air temperature [°C]		
AI			11	SuctT	Compressor suction temperature [°C]		
AI			12	BubT	Condenser temperature [°C]		
AI			13	DewT	Evaporator temperature [°C]		
AI			14	InvDisT	Inverter discharge temperature [°C]		
AI			15	Comp1DisT	Constant compressor1 discharge temperature [°C]		
AI			16	Comp2DisT	Constant compressor2 discharge temperature [°C]		
AI			17	HexT	Heat exchanger pipe temperature [°C]		
AI			18	UpHexT	Top/Upper heat exchanger pipe temperature [°C]		
AI			19	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]		
AI			20	ScInT	Subcooling inlet temperature [°C]		
AI			21	ScOutT	Subcooling outlet temperature [°C]		
AI			22	LiqT	Liquid pipe temperature [°C]		
AI			23	SHTrc	Current degree of super heat [°C]		
AI			24	SCTrc	Current degree of subcooling [°C]		
AI			25	SCSCTrc	Current degree of subcooling and super heat [°C]		
BI			26	4way	4 WAY valve		
BI			27	CComp	Constant compressor		
BI			28	HotGas	Hot gas		
BI			29	InvLiqVlv	Inverter liquid pipe valve		
BI			30	CCompLiqVlv	Constant/Fixed speed compressor liquid valve		
PIV			31	MICOM	MICOM version		

• SUPER4 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
PIV			03	HiPrsTrg	Target high pressure [KPa]		
PIV			04	LoPrsTrg	Target low pressure [KPa]		
AI			05	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			06	HiPrsTrc	Current high pressure [KPa]		
PIV			07	LoPrsTrc	Current low pressure [KPa]		
AI			08	ComprRatio	Compression ratio		
PIV			09	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			10	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			11	Inv2TrgFrq	Inverter 2 target frequency [Hz]		
PIV			12	Inv2TrcFrq	Inverter 2 current frequency [Hz]		
PIV			13	Fan1Trc	FAN1 current RPM [rpm]		
PIV			14	Fan2Trc	FAN2 current RPM [rpm]		
PIV			15	MainEEV	Main EEV [pls]		
PIV			16	SubEEV	Sub EEV [pls]		
PIV			17	ScEEV	Subcooling EEV [pls]		
PIV			18	EqEEV	Oil supply EEV [pls]		
PIV			19	ViEEV1	Vapor injection EEV1 [pls]		
PIV			20	ViEEV2	Vapor injection EEV2 [pls]		
AI			21	AirT	Outdoor air temperature [°C]		
AI			22	SuctT	Compressor suction temperature [°C]		
AI			23	BubT	Condenser temperature [°C]		
AI			24	DewT	Evaporator temperature [°C]		
AI			25	Inv1DisT	Inverter 1 discharge temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			26	Inv2DisT	Inverter 2 discharge temperature [°C]		
AI			27	HexT	Heat exchanger pipe temperature [°C]		
AI			28	UpHexT	Top/Upper heat exchanger pipe temperature [°C]		
AI			29	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]		
AI			30	ScInT	Subcooling inlet temperature [°C]		
AI			31	ScOutT	Subcooling outlet temperature [°C]		
AI			32	LiqT	Liquid pipe temperature [°C]		
AI			33	SHTrc	Current degree of super heat [°C]		
AI			34	SCTrc	Current degree of subcooling [°C]		
AI			35	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			36	Inv1InCT	Inverter 1 input current [A]		
AI			37	Inv2InCT	Inverter 2 input current [A]		
PIV			38	Inv1InVT	Inverter 1 input voltage [V]		
PIV			39	Inv2InVT	Inverter 2 input voltage [V]		
AI			40	Inv1PhsCT	Inverter 1 phase current [A]		
AI			41	Inv2PhsCT	Inverter 2 phase current [A]		
PIV			42	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			43	Inv2DcLnk	Inverter 2 DC LINK voltage [V]		
PIV			44	Inv1IpmT	Inverter 1 IPM temperature [°C]		
PIV			45	Inv2IpmT	Inverter 2 IPM temperature [°C]		
BI			46	4way	4 WAY valve		
BI			47	RcvIn	Normal close valve		
BI			48	RcvOut	Normal open valve		
BI			49	Inv1HtVlv	Inverter1 heater		
BI			50	Inv2HtVlv	Inverter2 heater		
BI			51	OilLv1	Oil level 1		
BI			52	OilLv2	Oil level 2		
BI			53	CompOper	Compressor operation		
BI			54	Inv1Bkp	Inverter1 backup		
BI			55	Inv2Bkp	Inverter2 backup		
PIV			56	MICOM	MICOM version		
PIV			57	CompQty	Compressor quantity		
PIV			58	Inv1Cap	Inverter 1 capacity [HP]		
PIV			59	Inv2Cap	Inverter 2 capacity [HP]		

• SUPER4 Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
PIV			04	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			05	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			06	Inv2TrgFrq	Inverter 2 target frequency [Hz]		
PIV			07	Inv2TrcFrq	Inverter 2 current frequency [Hz]		
PIV			08	Fan1Trc	FAN1 current RPM [rpm]		
PIV			09	Fan2Trc	FAN2 current RPM [rpm]		
PIV			10	MainEEV	Main EEV [pls]		
PIV			11	SubEEV	Sub EEV [pls]		
PIV			12	ScEEV	Subcooling EEV [pls]		
PIV			13	EqEEV	Oil supply EEV [pls]		
PIV			14	ViEEV1	Vapor injection EEV1 [pls]		
PIV			15	ViEEV2	Vapor injection EEV2 [pls]		
AI			16	AirT	Outdoor air temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				17	SuctT	Compressor suction temperature [°C]	
AI				18	BubT	Condenser temperature [°C]	
AI				19	DewT	Evaporator temperature [°C]	
AI				20	Inv1DisT	Inverter 1 discharge temperature [°C]	
AI				21	Inv2DisT	Inverter 2 discharge temperature [°C]	
AI				22	HexT	Heat exchanger pipe temperature [°C]	
AI				23	UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI				24	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI				25	ScInT	Subcooling inlet temperature [°C]	
AI				26	ScOutT	Subcooling outlet temperature [°C]	
AI				27	LiqT	Liquid pipe temperature [°C]	
AI				28	SHTrc	Current degree of super heat [°C]	
AI				29	SCTrc	Current degree of subcooling [°C]	
AI				30	SCSCTrc	Current degree of subcooling and super heat [°C]	
AI				31	Inv1InCT	Inverter 1 input current [A]	
AI				32	Inv2InCT	Inverter 2 input current [A]	
PIV				33	Inv1InVT	Inverter 1 input voltage [V]	
PIV				34	Inv2InVT	Inverter 2 input voltage [V]	
AI				35	Inv1PhsCT	Inverter 1 phase current [A]	
AI				36	Inv2PhsCT	Inverter 2 phase current [A]	
PIV				37	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV				38	Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV				39	Inv1IpmT	Inverter 1 IPM temperature [°C]	
PIV				40	Inv2IpmT	Inverter 2 IPM temperature [°C]	
BI				41	4way	4 WAY valve	
BI				42	RcvIn	Normal close valve	
BI				43	RcvOut	Normal open valve	
BI				44	Inv1HtVlv	Inverter1 heater	
BI				45	Inv2HtVlv	Inverter2 heater	
BI				46	OilLv1	Oil level 1	
BI				47	OilLv2	Oil level 2	
BI				48	CompOper	Compressor operation	
BI				49	Inv1Bkp	Inverter1 backup	
BI				50	Inv2Bkp	Inverter2 backup	
PIV				51	MICOM	MICOM version	
PIV				52	CompQty	Compressor quantity	
PIV				53	Inv1Cap	Inverter 1 capacity [HP]	
PIV				54	Inv2Cap	Inverter 2 capacity [HP]	

• WATER4 Master

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
PIV			03	HiPrsTrg	Target high pressure [KPa]		
PIV			04	LoPrsTrg	Target low pressure [KPa]		
AI			05	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			06	HiPrsTrc	Current high pressure [KPa]		
PIV			07	LoPrsTrc	Current low pressure [KPa]		
AI			08	ComprRatio	Compression ratio		
PIV			09	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			10	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			11	MainEEV	Main EEV [pls]		
PIV			12	ScEEV	Subcooling EEV [pls]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			13	AirT	Outdoor air temperature [°C]		
AI			14	SuctT	Compressor suction temperature [°C]		
AI			15	BubT	Condenser temperature [°C]		
AI			16	DewT	Evaporator temperature [°C]		
AI			17	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			18	HexT	Heat exchanger pipe temperature [°C]		
AI			19	ScOutT	Subcooling outlet temperature [°C]		
AI			20	LiqT	Liquid pipe temperature [°C]		
AI			21	SHTrc	Current degree of super heat [°C]		
AI			22	SCTrc	Current degree of subcooling [°C]		
AI			23	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			24	Inv1InCT	Inverter 1 input current [A]		
PIV			25	Inv1InVT	Inverter 1 input voltage [V]		
AI			26	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			27	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			28	Inv1IpmT	Inverter 1 IPM temperature [°C]		
BI			29	4way	4 WAY valve		
BI			30	Inv1HtVlv	Inverter1 heater		
BI			31	OilLv1	Oil level 1		
BI			32	CompOper	Compressor operation		
BI			33	HotGas	Hot gas		
BI			34	Inv1Bkp	Inverter1 backup		
BI			35	DDC	DDC		
PIV			36	MICOM	MICOM version		
PIV			37	CompQty	Compressor quantity		

• WATER4 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
PIV			04	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			05	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			06	MainEEV	Main EEV [pls]		
PIV			07	ScEEV	Subcooling EEV [pls]		
AI			08	AirT	Outdoor air temperature [°C]		
AI			09	SuctT	Compressor suction temperature [°C]		
AI			10	BubT	Condenser temperature [°C]		
AI			11	DewT	Evaporator temperature [°C]		
AI			12	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			13	HexT	Heat exchanger pipe temperature [°C]		
AI			14	ScOutT	Subcooling outlet temperature [°C]		
AI			15	LiqT	Liquid pipe temperature [°C]		
AI			16	SHTrc	Current degree of super heat [°C]		
AI			17	SCTrc	Current degree of subcooling [°C]		
AI			18	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			19	Inv1InCT	Inverter 1 input current [A]		
PIV			20	Inv1InVT	Inverter 1 input voltage [V]		
AI			21	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			22	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			23	Inv1IpmT	Inverter 1 IPM temperature [°C]		
BI			24	4way	4 WAY valve		
BI			25	Inv1HtVlv	Inverter1 heater		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	26					OilLvl1	Oil level 1
BI	27					CompOper	Compressor operation
BI	28					HotGas	Hot gas
BI	29					Inv1Bkp	Inverter1 backup
BI	30					DDC	DDC
PIV	31					MICOM	MICOM version
PIV	32					CompQty	Compressor quantity

• MULTIV_S Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
PIV			03	HiPrsTrg	Target high pressure [KPa]		
PIV			04	LoPrsTrg	Target low pressure [KPa]		
AI			05	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			06	HiPrsTrc	Current high pressure [KPa]		
PIV			07	LoPrsTrc	Current low pressure [KPa]		
AI			08	ComprRatio	Compression ratio		
PIV			09	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			10	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			11	Fan1Trc	FAN1 current RPM [rpm]		
PIV			12	MainEEV	Main EEV [pls]		
PIV			13	ScEEV	Subcooling EEV [pls]		
AI			14	AirT	Outdoor air temperature [°C]		
AI			15	SuctT	Compressor suction temperature [°C]		
AI			16	BubT	Condenser temperature [°C]		
AI			17	DewT	Evaporator temperature [°C]		
AI			18	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			19	HexT	Heat exchanger pipe temperature [°C]		
AI			20	ScInT	Subcooling inlet temperature [°C]		
AI			21	ScOutT	Subcooling outlet temperature [°C]		
AI			22	LiqT	Liquid pipe temperature [°C]		
AI			23	SHTrc	Current degree of super heat [°C]		
AI			24	SCTrc	Current degree of subcooling [°C]		
AI			25	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			26	Inv1InCT	Inverter 1 input current [A]		
PIV			27	Inv1InVT	Inverter 1 input voltage [V]		
AI			28	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			29	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			30	Inv1IpmT	Inverter 1 IPM temperature [°C]		
BI			31	Inv1HtVlv	Inverter1 heater		
BI			32	CompOper	Compressor operation		
PIV			33	MICOM	MICOM version		
PIV			34	CompQty	Compressor quantity		

• MULTIV_S Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			03	ComprRatio	Compression ratio		
PIV			04	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			05	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			06	Fan1Trc	FAN1 current RPM [rpm]		
PIV			07	MainEEV	Main EEV [pls]		
PIV			08	ScEEV	Subcooling EEV [pls]		
AI			09	AirT	Outdoor air temperature [°C]		
AI			10	SuctT	Compressor suction temperature [°C]		
AI			11	BubT	Condenser temperature [°C]		
AI			12	DewT	Evaporator temperature [°C]		
AI			13	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			14	HexT	Heat exchanger pipe temperature [°C]		
AI			15	ScInT	Subcooling inlet temperature [°C]		
AI			16	ScOutT	Subcooling outlet temperature [°C]		
AI			17	LiqT	Liquid pipe temperature [°C]		
AI			18	SHTrc	Current degree of super heat [°C]		
AI			19	SCTrc	Current degree of subcooling [°C]		
AI			20	SCSCTrc	Current degree of subcooling and super heat [°C]		
AI			21	Inv1InCT	Inverter 1 input current [A]		
PIV			22	Inv1InVT	Inverter 1 input voltage [V]		
AI			23	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			24	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			25	Inv1IpmT	Inverter 1 IPM temperature [°C]		
BI			26	Inv1HtVlv	Inverter1 heater		
BI			27	CompOper	Compressor operation		
PIV			28	MICOM	MICOM version		
PIV			29	CompQty	Compressor quantity		

• SUPER5 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
PIV			03	HiPrsTrq	Target high pressure [KPa]		
PIV			04	LoPrsTrq	Target low pressure [KPa]		
AI			05	SCSHTrq	Target degree of subcooling and super heat [°C]		
PIV			06	HiPrsTrc	Current high pressure [KPa]		
PIV			07	LoPrsTrc	Current low pressure [KPa]		
AI			08	ComprRatio	Compression ratio		
PIV			09	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			10	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			11	Inv2TrgFrq	Inverter 2 target frequency [Hz]		
PIV			12	Inv2TrcFrq	Inverter 2 current frequency [Hz]		
PIV			13	Fan1Trc	FAN1 current RPM [rpm]		
PIV			14	Fan2Trc	FAN2 current RPM [rpm]		
PIV			15	MainEEV	Main EEV [pls]		
PIV			16	SubEEV	Sub EEV [pls]		
PIV			17	ScEEV	Subcooling EEV [pls]		
PIV			18	ViEEV1	Vapor injection EEV1 [pls]		
PIV			19	ViEEV2	Vapor injection EEV2 [pls]		
AI			20	AirT	Outdoor air temperature [°C]		
AI			21	SuctT	Compressor suction temperature [°C]		
AI			22	BubT	Condenser temperature [°C]		
AI			23	DewT	Evaporator temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			24		Inv1DisT	Inverter 1 discharge temperature [°C]	
AI			25		Inv2DisT	Inverter 2 discharge temperature [°C]	
AI			26		HexT	Heat exchanger pipe temperature [°C]	
AI			27		UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI			28		LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI			29		ScInT	Subcooling inlet temperature [°C]	
AI			30		ScOutT	Subcooling outlet temperature [°C]	
AI			31		LiqT	Liquid pipe temperature [°C]	
AI			32		SHTrc	Current degree of super heat [°C]	
AI			33		SCTrc	Current degree of subcooling [°C]	
AI			34		SCSCTrc	Current degree of subcooling and super heat [°C]	
AI			35		Inv1InCT	Inverter 1 input current [A]	
AI			36		Inv2InCT	Inverter 2 input current [A]	
PIV			37		Inv1InVT	Inverter 1 input voltage [V]	
PIV			38		Inv2InVT	Inverter 2 input voltage [V]	
AI			39		Inv1PhsCT	Inverter 1 phase current [A]	
AI			40		Inv2PhsCT	Inverter 2 phase current [A]	
PIV			41		Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV			42		Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV			43		Inv1IpMT	Inverter 1 IPM temperature [°C]	
PIV			44		Inv2IpMT	Inverter 2 IPM temperature [°C]	
BI			45		4way	4 WAY valve	
BI			46		RcvIn	Normal close valve	
BI			47		RcvOut	Normal open valve	
BI			48		Inv1HtVlv	Inverter1 heater	
BI			49		Inv2HtVlv	Inverter2 heater	
BI			50		OilLv1	Oil level 1	
BI			51		OilLv2	Oil level 2	
BI			52		CompOper	Compressor operation	
BI			53		Inv1Bkp	Inverter1 backup	
BI			54		Inv2Bkp	Inverter2 backup	
PIV			55		MICOM	MICOM version	
PIV			56		CompQty	Compressor quantity	
PIV			57		Inv1Cap	Inverter 1 capacity [HP]	
PIV			58		Inv2Cap	Inverter 2 capacity [HP]	

• SUPER5 Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HiPrsTrc	Current high pressure [KPa]		
PIV			02	LoPrsTrc	Current low pressure [KPa]		
AI			03	ComprRatio	Compression ratio		
PIV			04	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			05	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			06	Inv2TrgFrq	Inverter 2 target frequency [Hz]		
PIV			07	Inv2TrcFrq	Inverter 2 current frequency [Hz]		
PIV			08	Fan1Trc	FAN1 current RPM [rpm]		
PIV			09	Fan2Trc	FAN2 current RPM [rpm]		
PIV			10	MainEEV	Main EEV [pls]		
PIV			11	SubEEV	Sub EEV [pls]		
PIV			12	ScEEV	Subcooling EEV [pls]		
PIV			13	ViEEV1	Vapor injection EEV1 [pls]		
PIV			14	ViEEV2	Vapor injection EEV2 [pls]		
AI			15	AirT	Outdoor air temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			16		SuctT	Compressor suction temperature [°C]	
AI			17		BubT	Condenser temperature [°C]	
AI			18		DewT	Evaporator temperature [°C]	
AI			19		Inv1DisT	Inverter 1 discharge temperature [°C]	
AI			20		Inv2DisT	Inverter 2 discharge temperature [°C]	
AI			21		HexT	Heat exchanger pipe temperature [°C]	
AI			22		UpHexT	Top/Upper heat exchanger pipe temperature [°C]	
AI			23		LoHexT	Bottom/Down/Lower heat exchanger pipe temperature [°C]	
AI			24		ScInT	Subcooling inlet temperature [°C]	
AI			25		ScOutT	Subcooling outlet temperature [°C]	
AI			26		LiqT	Liquid pipe temperature [°C]	
AI			27		SHTrc	Current degree of super heat [°C]	
AI			28		SCTrc	Current degree of subcooling [°C]	
AI			29		SCSCTrc	Current degree of subcooling and super heat [°C]	
AI			30		Inv1InCT	Inverter 1 input current [A]	
AI			31		Inv2InCT	Inverter 2 input current [A]	
PIV			32		Inv1InVT	Inverter 1 input voltage [V]	
PIV			33		Inv2InVT	Inverter 2 input voltage [V]	
AI			34		Inv1PhsCT	Inverter 1 phase current [A]	
AI			35		Inv2PhsCT	Inverter 2 phase current [A]	
PIV			36		Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV			37		Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV			38		Inv1IpmT	Inverter 1 IPM temperature [°C]	
PIV			39		Inv2IpmT	Inverter 2 IPM temperature [°C]	
BI			40		4way	4 WAY valve	
BI			41		RcvIn	Normal close valve	
BI			42		RcvOut	Normal open valve	
BI			43		Inv1HtVlv	Inverter1 heater	
BI			44		Inv2HtVlv	Inverter2 heater	
BI			45		OilLv1	Oil level 1	
BI			46		OilLv2	Oil level 2	
BI			47		CompOper	Compressor operation	
BI			48		Inv1Bkp	Inverter1 backup	
BI			49		Inv2Bkp	Inverter2 backup	
PIV			50		MICOM	MICOM version	
PIV			51		CompQty	Compressor quantity	
PIV			52		Inv1Cap	Inverter 1 capacity [HP]	
PIV			53		Inv2Cap	Inverter 2 capacity [HP]	

• WATER5 Master

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Mode	Operation Mode		
PIV			02	Err	Error Code		
PIV			03	HiPrsTrg	Target high pressure [KPa]		
PIV			04	LoPrsTrg	Target low pressure [KPa]		
AI			05	SCSHTrg	Target degree of subcooling and super heat [°C]		
PIV			06	HiPrsTrc	Current high pressure [KPa]		
PIV			07	LoPrsTrc	Current low pressure [KPa]		
AI			08	ComprRatio	Compression ratio		
PIV			09	Inv1TrgFrq	Inverter 1 target frequency [Hz]		
PIV			10	Inv1TrcFrq	Inverter 1 current frequency [Hz]		
PIV			11	MainEEV	Main EEV [pls]		
PIV			12	ScEEV	Subcooling EEV [pls]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			13	AirT	Outdoor air temperature [°C]		
AI			14	SuctT	Compressor suction temperature [°C]		
AI			15	BubT	Condenser temperature [°C]		
AI			16	DewT	Evaporator temperature [°C]		
AI			17	Inv1DisT	Inverter 1 discharge temperature [°C]		
AI			18	HtCncIEEV	Heat cancel EEV temperature [°C]		
AI			19	ScOutT	Subcooling outlet temperature [°C]		
AI			20	LiqT	Liquid pipe temperature [°C]		
AI			21	HtSrcWtrOuT	Heat source water out [°C]		
AI			22	HtSrcWtrInT	Heat source water in [°C]		
AI			23	SHTrc	Current degree of super heat [°C]		
AI			24	SCTrc	Current degree of subcooling [°C]		
AI			25	SCSCTrc	Current degree of subcooling and super heat [°C]		
PIV			26	HtCncIEEV	Heat cancel EEV [pls]		
AI			27	Inv1InCT	Inverter 1 input current [A]		
PIV			28	Inv1InVT	Inverter 1 input voltage [V]		
AI			29	Inv1PhsCT	Inverter 1 phase current [A]		
PIV			30	Inv1DcLnk	Inverter 1 DC LINK voltage [V]		
PIV			31	Inv1IpMT	Inverter 1 IPM temperature [°C]		
BI			32	4way	4 WAY valve		
BI			33	Inv1HtVlv	Inverter1 heater		
BI			34	OilLv1	Oil level 1		
BI			35	CompOper	Compressor operation		
BI			36	HotGas	Hot gas		
BI			37	Inv1Bkp	Inverter1 backup		
BI			38	DDC	DDC		
PIV			39	MICOM	MICOM version		
PIV			40	CompQty	Compressor quantity		

• WATER5 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	HiPrsTrc	Current high pressure [KPa]	
PIV				02	LoPrsTrc	Current low pressure [KPa]	
AI				03	ComprRatio	Compression ratio	
PIV				04	Inv1TrgFrq	Inverter 1 target frequency [Hz]	
PIV				05	Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV				06	MainEEV	Main EEV [pls]	
PIV				07	ScEEV	Subcooling EEV [pls]	
AI				08	AirT	Outdoor air temperature [°C]	
AI				09	SuctT	Compressor suction temperature [°C]	
AI				10	BubT	Condenser temperature [°C]	
AI				11	DewT	Evaporator temperature [°C]	
AI				12	Inv1DisT	Inverter 1 discharge temperature [°C]	
AI				13	HtCncIEEVT	Heat cancel EEV temperature [°C]	
AI				14	ScOutT	Subcooling outlet temperature [°C]	
AI				15	LiqT	Liquid pipe temperature [°C]	
AI				16	HtSrcWtrOuT	Heat source water out [°C]	
AI				17	HtSrcWtrInT	Heat source water in [°C]	
AI				18	SHTrc	Current degree of super heat [°C]	
AI				19	SCTrc	Current degree of subcooling [°C]	
AI				20	SCSCTrc	Current degree of subcooling and super heat [°C]	
PIV				21	HtCncIEEV	Heat cancel EEV [pls]	
AI				22	Inv1InCT	Inverter 1 input current [A]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	23				Inv1InVT	Inverter 1 input voltage [V]	
AI	24				Inv1PhsCT	Inverter 1 phase current [A]	
PIV	25				Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV	26				Inv1IpmT	Inverter 1 IPM temperature [°C]	
BI	27				4way	4 WAY valve	
BI	28				Inv1HtVlv	Inverter1 heater	
BI	29				OilLvl1	Oil level 1	
BI	30				CompOper	Compressor operation	
BI	31				HotGas	Hot gas	
BI	32				Inv1Bkp	Inverter1 backup	
BI	33				DDC	DDC	
PIV	34				MICOM	MICOM version	
PIV	35				CompQty	Compressor quantity	

3.2.5.3 LGMV PRO Enumerated Parameters

- **Pipe 1 mode (P1Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

- **Pipe 2 mode (P2Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

- **Pipe 3 mode (P3Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

- **Pipe 4 mode (P4Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

3.2.6 ME (Mitsubishi Electric)

3.2.6.1 ME PRO Indoor Units

- **F/P, IC**



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH1	Room Thermistor [°C]		
AI			02	TH2	Liquid Pipe Thermistor [°C]		
AI			03	TH3	Gas Pipe Thermistor [°C]		
AI			04	TH4	Return Air Thermistor [°C]		
AI			05	SH	SuperHeat [°C]		
AI			06	SC	SubCooling [°C]		
PIV			07	Li	LEV opening pulse [pls]		
AI			08	TO	Set temperature [°C]		
PIV			09	Save	Capacity save [%]		
PIV			10	O/F	Operation ON/OFF		
PIV			11	Mode	Running mode		
PIV			12	State	Operating condition		
PIV			13	IC S	Operation control of the outdoor unit		
BI			14	TH ON	Indoor therm ON status		
BI			15	InEn	Free contact input enable		
BI			16	CN32-P2	Input 1: CN32-P2		
BI			17	CN32-P3	Input 2: CN32-P3		
BI			18	CN51-P2	Input 3: CN51-P2		
BI			19	CN52-P4	Input 4: CN52-P4		
BI			20	OutEn	Free contact output enable		
BI			21	CN52-P1	Output 1: CN52-P1		
BI			22	CN52-P2	Output 2: CN52-P2		
BI			23	CN52-P3	Output 3: CN52-P3		

• F/P, ConnKIT, PAC-MK*BC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH1	Room Thermistor [°C]		
AI			02	TH2	Liquid Pipe Thermistor [°C]		
AI			03	TH3	Gas Pipe Thermistor [°C]		
AI			04	TH4	Return Air Thermistor [°C]		
AI			05	SH	SuperHeat [°C]		
AI			06	SC	SubCooling [°C]		
PIV			07	Li	LEV opening pulse [pls]		
AI			08	TO	Set temperature [°C]		
PIV			09	Save	Capacity save [%]		
PIV			10	O/F	Operation ON/OFF		
PIV			11	Mode	Running mode		
PIV			12	State	Operating condition		
PIV			13	IC S	Operation control of the outdoor unit		
PIV			14	Fan	Fan speed		
BI			15	TH ON	Indoor therm ON status		
BI			16	InEn	Free contact input enable		
BI			17	CN32-P2	Input 1: CN32-P2		
BI			18	CN32-P3	Input 2: CN32-P3		
BI			19	CN51-P2	Input 3: CN51-P2		
BI			20	CN52-P4	Input 4: CN52-P4		
BI			21	OutEn	Free contact output enable		
BI			22	CN52-P1	Output 1: CN52-P1		
BI			23	CN52-P2	Output 2: CN52-P2		
BI			24	CN52-P3	Output 3: CN52-P3		

• F/P



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH1	Room Thermistor [°C]		
AI			02	TH2	Liquid Pipe Thermistor [°C]		
AI			03	TH3	Gas Pipe Thermistor [°C]		
AI			04	TH4	Return Air Thermistor [°C]		
AI			05	SH	SuperHeat [°C]		
AI			06	SC	SubCooling [°C]		
PIV			07	Li	LEV opening pulse [pls]		
AI			08	TO	Set temperature [°C]		
PIV			09	Save	Capacity save [%]		
PIV			10	O/F	Operation ON/OFF		
PIV			11	Mode	Running mode		
PIV			12	State	Operating condition		
PIV			13	IC S	Operation control of the outdoor unit		
PIV			14	HA	Humidity [%]		
PIV			15	HO	HO		
BI			16	TH ON	Indoor therm ON status		
BI			17	InEn	Free contact input enable		
BI			18	CN32-P2	Input 1: CN32-P2		
BI			19	CN32-P3	Input 2: CN32-P3		
BI			20	CN51-P2	Input 3: CN51-P2		
BI			21	CN52-P4	Input 4: CN52-P4		
BI			22	OutEn	Free contact output enable		
BI			23	CN52-P1	Output 1: CN52-P1		
BI			24	CN52-P2	Output 2: CN52-P2		
BI			25	CN52-P3	Output 3: CN52-P3		

• A-INV

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH1	Room Thermistor [°C]		
AI			02	TH2	Liquid Pipe Thermistor [°C]		
AI			03	TH5	Gas pipe temperature [°C]		
AI			04	TO	Set temperature [°C]		
PIV			05	Save	Capacity save [%]		
PIV			06	O/F	Operation ON/OFF		
PIV			07	Mode	Running mode		
PIV			08	ErrAddr	Last error address		
PIV			09	Err	Last error code		
BI			10	Comp	Outdoor compressor		
BI			11	21S4	Outdoor 4-way valve		
BI			12	SV	Outdoor solenoid valve		
PIV			13	Fan	Outdoor fan output step		
PIV			14	Hz	Outdoor compressor frequency [Hz]		
BI			15	49C	Outdoor inner thermostat (compressor)		
BI			16	63H	Outdoor high pressure sensor		
BI			17	63L	Outdoor low pressure sensor		
AI			18	TH3	Outdoor liquid pipe temperature [°C]		
AI			19	TH4	Outdoor discharge temperature [°C]		
AI			20	TH6	Outdoor saturated evaporation temperature [°C]		
AI			21	TH7	Outdoor ambient air temperature [°C]		
AI			22	TH8	Outdoor radiator plate temperature [°C]		
AI			23	TH32	Outdoor suction pipe temperature [°C]		
AI			24	TH33	Outdoor compressor surface temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI					25	63HS	Outdoor pressure saturation temperature [°C]
AI					26	SHd	Outdoor discharge superheat [°C]
AI					27	SH	Outdoor superheat [°C]
AI					28	SC	Outdoor subcool [°C]
PIV					29	LevA	Outdoor LEV opening (A) [pls]
PIV					30	LevB	Outdoor LEV opening (B) [pls]
AI					31	LevC	Outdoor LEV opening (C) [pls]
AI					32	CompA	Outdoor secondary current [A]

• LC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV			00		Type	Outdoor Unit Type Name	
AI			01		OA T	Outdoor air temperature [°C]	
AI			02		RA T	Room air temperature [°C]	
PIV			03		SA SetIU	SA fan speed ordered from interlocked IC	
PIV			04		EA SetIU	EA fan speed ordered from interlocked IC	
AI			05		TO	Target temperature [°C]	
PIV			06		O/F	Operation ON/OFF	
PIV			07		VentMd2	Ventilation Mode 2	
PIV			08		SA Op	Supply fan status	
PIV			09		EA Op	Exhaust fan status	
PIV			10		Dmp	Damper	
PIV			11		SW2	Setting of dip-switch 2	
PIV			12		SW5	Setting of dip-switch 5	

• LC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	OA T	Outdoor air temperature [°C]		
AI			02	RA T	Room air temperature [°C]		
AI			03	SA T	Supply air temperature [°C]		
PIV			04	SA SetIU	SA fan speed ordered from interlocked IC		
PIV			05	EA SetIU	EA fan speed ordered from interlocked IC		
PIV			06	SA SetRC	SA fan speed ordered from RC		
PIV			07	EA SetRC	EA fan speed ordered from RC		
AI			08	TO	Target temperature [°C]		
PIV			09	O/F	Operation ON/OFF		
PIV			10	VentMd1	Ventilation Mode 1		
PIV			11	VentMd2	Ventilation Mode 2		
PIV			12	SA Op	Supply fan status		
PIV			13	EA Op	Exhaust fan status		
PIV			14	Dmp	Damper		
PIV			15	HumVlv	Humidifier Valve		
PIV			16	Hum	Humidifying (humidifier ordered from RC)		
PIV			17	Vent	Ventilation (damper ordered from RC)		
PIV			18	SW2	Setting of dip-switch 2		
PIV			19	SW5	Setting of dip-switch 5		
PIV			20	SW6	Setting of dip-switch 6		
PIV			21	SW7	Setting of dip-switch 7		
PIV			22	MonOut	Monitor output status for TM3		
AI			23	OA Hum	Outdoor air relative humidity		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	24					CO2	CO2 concentration [x10ppm]
PIV	25					SA1 RPM	Actual RPM SA1
IV	26					SA1 PWM	Motor PWM SA1
PIV	27					EA1 RPM	Actual RPM EA1
IV	28					EA1 PWM	Motor PWM EA1
PIV	29					SA2 RPM	Actual RPM SA2
IV	30					SA2 PWM	Motor PWM SA2
PIV	31					EA2 RPM	Actual RPM EA2
IV	32					EA2 PWM	Motor PWM EA2

• LC

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00			Type	Outdoor Unit Type Name
AI			01			OA T	Outdoor air temperature [°C]
AI			02			RA T	Room air temperature [°C]
PIV			03			SA SetU	SA fan speed ordered from interlocked IC
PIV			04			EA SetU	EA fan speed ordered from interlocked IC
AI			05			TO	Target temperature [°C]
PIV			06			O/F	Operation ON/OFF
PIV			07			SA Op	Supply fan status
PIV			08			EA Op	Exhaust fan status
PIV			09			Dmp	Damper

• PWFY

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH6	Water inlet temperature [°C]		
AI			02	TH8	Water outlet temperature [°C]		
AI			03	TH22	Liquid side temperature [°C]		
AI			04	TH23	Gas side temperature [°C]		
AI			05	To	Set temperature [°C]		
AI			06	SC	SubCooling [°C]		
AI			07	SH	SuperHeat [°C]		
PIV			08	LEV1W	Opening pulse [pls]		
PIV			09	CtrlM	Control Mode		
PIV			10	OpeM	Operation Mode		
PIV			11	O/F	Operation ON/OFF		
PIV			12	State	Operating condition		
PIV			13	AU S	Operation control of the outdoor unit		
BI			14	SV1	Solenoid valve: bypass between gas pipe and liquid pipe		
BI			15	I/O	Water temperature sensor position		
BI			16	Dmnd	Demand		

• PWFY

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
AI	01					TH6	Water inlet temperature [°C]



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			02	TH8	Water outlet temperature [°C]		
AI			03	TH22	Liquid side temperature [°C]		
AI			04	TH13	Evaporator outlet temperature [°C]		
AI			05	To	Set temperature [°C]		
AI			06	TH11	Discharge temperature [°C]		
AI			07	THHS	Heat sink temperature [°C]		
PIV			08	LEV1W	Opening pulse [pls]		
PIV			09	CtrlM	Control Mode		
PIV			10	OpeM	Operation Mode		
PIV			11	O/F	Operation ON/OFF		
PIV			12	State	Operating condition		
PIV			13	BU_S	Operation control of the outdoor unit		
BI			14	I/O	Water temperature sensor position		
BI			15	Dmnd	Demand		
AI			16	Te	Te [°C]		
PIV			17	LEV2W	Opening pulse [pls]		
AI			18	63HSW	High pressure [kg/cm2]		
AI			19	63LSW	Low pressure [kg/cm2]		
PIV			20	Vdc	Comp bus voltage [V]		
AI			21	Iu	Current effective value [A]		
IV			22	F(Hz)	Temporary compressor frequency for calculation [Hz]		

• CAHV

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
BI			01	OnOffLev	On/Off Level		
BI			02	OnOffSet	On/Off setting		
PIV			03	OnOffCtrl	On/Off Ctrl		
BI			04	WtrTCtrl	Water temp Ctrl		
BI			05	MnWtrTCtrl	Main water temp Ctrl		
BI			06	TSet	Temp setting		
BI			07	FnMd	Fan Mode		
PIV			08	FnMdSt	Fan Mode Status		
BI			09	HtWtr	Hot Water		
PIV			10	Md	Mode		
BI			11	HtEc	Heating Eco		
BI			12	AnFr	Anti Freeze		
BI			13	CopCap	COP/Capacity		
BI			14	MulCtrl	Multi Ctrl		
PIV			15	DfrMd	Defrost mode		
BI			16	Dmnd	Demand		
BI			17	63H1	63H1		
BI			18	CN142-B3	CN142-B3		
BI			19	CN142-C3	CN142-C3		
BI			20	CN142-C4	CN142-C4		
BI			21	CN142-D3	CN142-D3		
BI			22	CN142-D4	CN142-D4		
BI			23	CN142-D6	CN142-D6		
AI			24	TH1	TH1 [°C]		
AI			25	TH2	TH2 [°C]		
AI			26	TH3	TH3 [°C]		
AI			27	TH4	TH4 [°C]		
AI			28	TH5	TH5 [°C]		
AI			29	TH6	TH6 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			30	TH7	TH7 [°C]		
AI			31	TH8	TH8 [°C]		
AI			32	TH9	TH9 [°C]		
AI			33	TH10	TH10 [°C]		
AI			34	TH11	TH11 [°C]		
AI			35	TH12	TH12 [°C]		
AI			36	TH13	TH13 [°C]		
AI			37	TH14	TH14 [°C]		
AI			38	TH15	TH15 [°C]		
AI			39	TH16	TH16 [°C]		
AI			40	THHS	THHS [°C]		
AI			41	HP1	HP1		
AI			42	LP1	LP1		
AI			43	Idc	Idc [A]		
AI			44	Iu	Iu [A]		
AI			45	Iw	Iw [A]		
AI			46	Vdc	Vdc [V]		
AI			47	Ts	Ts [°C]		
AI			48	Twi	Twi [°C]		
AI			49	Two	Two [°C]		
AI			50	Twg	Twg [°C]		
AI			51	Tout	Tout [°C]		
AI			52	SHs	SHs [°C]		
AI			53	SH	SH [°C]		
AI			54	THc10	THc10 [°C]		
AI			55	THc11	THc11 [°C]		
AI			56	THc12	THc12 [°C]		
AI			57	THc13	THc13 [°C]		
AI			58	THc14	THc14 [°C]		
AI			59	THc15	THc15 [°C]		
PIV			60	LEV1	LEV1 [pls]		
PIV			61	LEV2	LEV2 [pls]		
PIV			62	COMP1	COMP1 [Hz]		
PIV			63	COMP2	COMP2 [Hz]		
PIV			64	FAN	FAN		
BI			65	X01	X01		
BI			66	X02	X02		
BI			67	X03	X03		
BI			68	X04	X04		
BI			69	X05	X05		
BI			70	X06	X06		
BI			71	X07	X07		
BI			72	X08	X08		
BI			73	X09	X09		
BI			74	X72	X72		
BI			75	CN52-2	CN52-2		
BI			76	CN52-3	CN52-3		
BI			77	CN52-4	CN52-4		
BI			78	CNOUT	CNOUT		
BI			79	CN52C	CN52C		
PIV			80	L-n	L-noise [%]		
PIV			81	DmndM	Demand(max) [%]		
PIV			82	Err	Last error code		
PIV			83	TotHr	Total hour [hr]		



3.2.6.2 ME PRO Outdoor Units

• PUMY-P100-140Y/VHM/36-48NHMU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
AI					01	TH3	Thermistor 3 [°C]
AI					02	TH4	Thermistor 4 [°C]
AI					03	TH6	Thermistor 6 [°C]
AI					04	TH7	Thermistor 7 [°C]
AI					05	TH8	Thermistor 8 [°C]
AI					06	63HS	High pressure sensor [kg/cm2]
AI					07	Vdc	COMP bus voltage [V]
AI					08	Ii	Input Current [A]
AI					09	Ic	Compressor Current [A]
PIV					10	F(Hz)	All temporary frequencies [Hz]
PIV					11	FAN	Fan output [Hz]
AI					12	Pdm	Target high pressure
AI					13	ETm	Target Evaporation Temperature [°C]
AI					14	SC	Sub Cool
AI					15	SCm	Target Sub Cool
IV					16	LEV1	LEV1 Linear expansion valve [pls]
IV					17	LEV2	LEV2 Linear expansion valve [pls]
IV					18	LEV3	LEV3 Pulse [pls]
IV					19	LEV4	Linear expansion valve [pls]
BI					20	Dmnd	Demand
BI					21	52C	52C
BI					22	21S4	21S4
BI					23	SV1a	SV1(A)/SV1a
BI					24	SV1b	SV1(B)/SV1b
BI					25	SV1c	SV1(C)/SV1c

• PUMY series

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	OpeM	OPERATION MODE
PIV					02	State	State
PIV					03	F(Hz)	All temporary frequencies [Hz]
PIV					04	FAN	Fan output [Hz]
PIV					05	LEV A	LEV A [pls]
PIV					06	LEV B	LEV B [pls]
AI					07	Vdc	VDC [V]
AI					08	Ii	I(input) [A]
AI					09	Ic	I(comp) [A]
PIV					10	Wc	W(comp)
PIV					11	GR	GR
AI					12	63HS	High pressure sensor [kg/cm2]
AI					13	63LS	63LS Pressure sensor [kg/cm2]
AI					14	TH2	Thermistor 2 [°C]
AI					15	TH3	Thermistor 3 [°C]
AI					16	TH4	Thermistor 4 [°C]
AI					17	TH6	Inlet pipe temperature of the heat exchanger [°C]
AI					18	TH7	Thermistor 7 [°C]
AI					19	TH8	Thermistor 8 [°C]
PIV					20	Dmnd(%)	Demand(%) [%]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			21		SC	SC [°C]	
AI			22		SCm	SCm [°C]	
AI			23		HicSC	HIC SC [°C]	
AI			24		HicSCm	HIC SCm [°C]	
BI			25		Dmnd	Demand	
BI			26		52C	52C	
BI			27		21S4	21S4	
BI			28		SV1	SV1	
BI			29		SV2	SV2	
BI			30		SV3	SV3	
BI			31		SS/BH	SS/BH	
BI			32		CN3D-2	CN3D-2	
BI			33		CN3S-2	CN3S-2	
BI			34		CN3N-2	CN3N-2	
BI			35		CN3N-3	CN3N-3	
BI			36		CN3D-3	CN3D-3	
AI			37		Pdm	Pdm [kg/cm2]	
AI			38		ETm	ETm [°C]	
AI			39		SC1	SC1 [°C]	
AI			40		SC2	SC2 [°C]	
AI			41		SC3	SC3 [°C]	
AI			42		SC4	SC4 [°C]	
AI			43		SC5	SC5 [°C]	
AI			44		SC6	SC6 [°C]	
AI			45		SC7	SC7 [°C]	
AI			46		SC8	SC8 [°C]	
AI			47		SC9	SC9 [°C]	
AI			48		SC10	SC10 [°C]	
AI			49		SC11	SC11 [°C]	
AI			50		SC12	SC12 [°C]	
AI			51		SCm1	SCm1 [°C]	
AI			52		SCm2	SCm2 [°C]	
AI			53		SCm3	SCm3 [°C]	
AI			54		SCm4	SCm4 [°C]	
AI			55		SCm5	SCm5 [°C]	
AI			56		SCm6	SCm6 [°C]	
AI			57		SCm7	SCm7 [°C]	
AI			58		SCm8	SCm8 [°C]	
AI			59		SCm9	SCm9 [°C]	
AI			60		SCm10	SCm10 [°C]	
AI			61		SCm11	SCm11 [°C]	
AI			62		SCm12	SCm12 [°C]	
PIV			63		LEV1	LEV1 Linear expansion valve [pls]	
PIV			64		LEV2	LEV2 Linear expansion valve [pls]	
PIV			65		LEV3	LEV3 Pulse [pls]	
PIV			66		LEV4	Linear expansion valve [pls]	
PIV			67		LEV5	LEV5 [pls]	
PIV			68		LEV6	LEV6 [pls]	
PIV			69		LEV7	LEV7 [pls]	
PIV			70		LEV8	LEV8 [pls]	
PIV			71		LEV9	LEV9 [pls]	
PIV			72		LEV10	LEV10 [pls]	
PIV			73		LEV11	LEV11 [pls]	
PIV			74		LEV12	LEV12 [pls]	

- PUMY-P*V/Y/NH/KM(BR4/UR4/SR1/C-CI-A)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH6	Thermistor 6 [°C]		
AI			05	TH7	Thermistor 7 [°C]		
AI			06	TH8	Thermistor 8 [°C]		
AI			07	63HS	High pressure sensor [kg/cm2]		
AI			08	63LS	63LS Pressure sensor [kg/cm2]		
AI			09	Vdc	COMP bus voltage [V]		
AI			10	Ii	Input Current [A]		
AI			11	Ic	Compressor Current [A]		
PIV			12	F(Hz)	All temporary frequencies [Hz]		
PIV			13	FAN	Fan output [Hz]		
AI			14	Pdm	Target high pressure		
AI			15	ETm	Target Evaporation Temperature [°C]		
AI			16	SC	Sub Cool		
AI			17	SCm	Target Sub Cool		
IV			18	LEV1	LEV1 Linear expansion valve [pls]		
IV			19	LEV2	LEV2 Linear expansion valve [pls]		
IV			20	LEV3	LEV3 Pulse [pls]		
IV			21	LEV4	Linear expansion valve [pls]		

• MXZ series

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpeM	OPERATION MODE		
PIV			02	State	State		
PIV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	FAN	Fan output [Hz]		
PIV			05	LEV A	LEV A [pls]		
PIV			06	LEV B	LEV B [pls]		
AI			07	Vdc	VDC [V]		
AI			08	Ii	I(input) [A]		
AI			09	Ic	I(comp) [A]		
PIV			10	Wc	W(comp)		
PIV			11	GR	GR		
AI			12	63HS	High pressure sensor [kg/cm2]		
AI			13	63LS	63LS Pressure sensor [kg/cm2]		
AI			14	TH2	Thermistor 2 [°C]		
AI			15	TH3	Thermistor 3 [°C]		
AI			16	TH4	Thermistor 4 [°C]		
AI			17	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			18	TH7	Thermistor 7 [°C]		
AI			19	TH8	Thermistor 8 [°C]		
PIV			20	Dmnd(%)	Demand(%) [%]		
AI			21	SC	SC [°C]		
AI			22	SCm	SCm [°C]		
AI			23	HicSC	HIC SC [°C]		
AI			24	HicSCm	HIC SCm [°C]		
BI			25	Dmnd	Demand		
BI			26	52C	52C		
BI			27	21S4	21S4		
BI			28	SV1	SV1		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI				29	SV2	SV2	
BI				30	SV3	SV3	
BI				31	SS/BH	SS/BH	
BI				32	CN3D-2	CN3D-2	
BI				33	CN3S-2	CN3S-2	
BI				34	CN3N-2	CN3N-2	
BI				35	CN3N-3	CN3N-3	
BI				36	CN3D-3	CN3D-3	
AI				37	Pdm	Pdm [kg/cm2]	
AI				38	ETm	ETm [°C]	
AI				39	SC1	SC1 [°C]	
AI				40	SC2	SC2 [°C]	
AI				41	SC3	SC3 [°C]	
AI				42	SC4	SC4 [°C]	
AI				43	SC5	SC5 [°C]	
AI				44	SC6	SC6 [°C]	
AI				45	SC7	SC7 [°C]	
AI				46	SC8	SC8 [°C]	
AI				47	SC9	SC9 [°C]	
AI				48	SC10	SC10 [°C]	
AI				49	SC11	SC11 [°C]	
AI				50	SC12	SC12 [°C]	
AI				51	SCm1	SCm1 [°C]	
AI				52	SCm2	SCm2 [°C]	
AI				53	SCm3	SCm3 [°C]	
AI				54	SCm4	SCm4 [°C]	
AI				55	SCm5	SCm5 [°C]	
AI				56	SCm6	SCm6 [°C]	
AI				57	SCm7	SCm7 [°C]	
AI				58	SCm8	SCm8 [°C]	
AI				59	SCm9	SCm9 [°C]	
AI				60	SCm10	SCm10 [°C]	
AI				61	SCm11	SCm11 [°C]	
AI				62	SCm12	SCm12 [°C]	
PIV				63	LEV1	LEV1 Linear expansion valve [pls]	
PIV				64	LEV2	LEV2 Linear expansion valve [pls]	
PIV				65	LEV3	LEV3 Pulse [pls]	
PIV				66	LEV4	Linear expansion valve [pls]	
PIV				67	LEV5	LEV5 [pls]	
PIV				68	LEV6	LEV6 [pls]	
PIV				69	LEV7	LEV7 [pls]	
PIV				70	LEV8	LEV8 [pls]	
PIV				71	LEV9	LEV9 [pls]	
PIV				72	LEV10	LEV10 [pls]	
PIV				73	LEV11	LEV11 [pls]	
PIV				74	LEV12	LEV12 [pls]	

• PUMY

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpeM	OPERATION MODE		
PIV			02	F(Hz)	All temporary frequencies [Hz]		
PIV			03	FAN	Fan output [Hz]		
PIV			04	LEV_A	LEV_A [pls]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			05	LEV B	LEV B [pls]		
AI			06	Vdc	COMP bus voltage [V]		
AI			07	Ii	Input Current [A]		
AI			08	Ic	Compressor Current [A]		
AI			09	63HS	High pressure sensor [kg/cm2]		
AI			10	63LS	63LS Pressure sensor [kg/cm2]		
AI			11	TH2	Thermistor 2 [°C]		
AI			12	TH3	Thermistor 3 [°C]		
AI			13	TH4	Thermistor 4 [°C]		
AI			14	TH6	Thermistor 6 [°C]		
AI			15	TH7	Thermistor 7 [°C]		
AI			16	TH8	Thermistor 8 [°C]		
AI			17	SC	Sub Cool		
AI			18	SCm	Target Sub Cool		
BI			19	52C	52C		
BI			20	21S4	21S4		
BI			21	SV1	SV1		
BI			22	SV2	SV2		
BI			23	SV3	SV3		
PIV			24	Dmnd	Demand		
AI			25	Pdm	Target high pressure		
AI			26	ETm	Target Evaporation Temperature [°C]		
AI			27	SC1	SC1 [°C]		
AI			28	SC2	SC2 [°C]		
AI			29	SC3	SC3 [°C]		
AI			30	SC4	SC4 [°C]		
AI			31	SC5	SC5 [°C]		
AI			32	SC6	SC6 [°C]		
AI			33	SC7	SC7 [°C]		
AI			34	SC8	SC8 [°C]		
AI			35	SC9	SC9 [°C]		
AI			36	SC10	SC10 [°C]		
AI			37	SC11	SC11 [°C]		
AI			38	SC12	SC12 [°C]		
AI			39	SCm1	SCm1 [°C]		
AI			40	SCm2	SCm2 [°C]		
AI			41	SCm3	SCm3 [°C]		
AI			42	SCm4	SCm4 [°C]		
AI			43	SCm5	SCm5 [°C]		
AI			44	SCm6	SCm6 [°C]		
AI			45	SCm7	SCm7 [°C]		
AI			46	SCm8	SCm8 [°C]		
AI			47	SCm9	SCm9 [°C]		
AI			48	SCm10	SCm10 [°C]		
AI			49	SCm11	SCm11 [°C]		
AI			50	SCm12	SCm12 [°C]		
IV			51	LEV1	LEV1 Linear expansion valve [pls]		
IV			52	LEV2	LEV2 Linear expansion valve [pls]		
IV			53	LEV3	LEV3 Pulse [pls]		
IV			54	LEV4	Linear expansion valve [pls]		
IV			55	LEV5	LEV5 [pls]		
IV			56	LEV6	LEV6 [pls]		
IV			57	LEV7	LEV7 [pls]		
IV			58	LEV8	LEV8 [pls]		
IV			59	LEV9	LEV9 [pls]		
IV			60	LEV10	LEV10 [pls]		
IV			61	LEV11	LEV11 [pls]		
IV			62	LEV12	LEV12 [pls]		



• PUMY

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpeM	OPERATION MODE		
PIV			02	State	State		
PIV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	FAN	Fan output [Hz]		
PIV			05	LEV A	LEV A [pls]		
PIV			06	LEV B	LEV B [pls]		
AI			07	Vdc	VDC [V]		
AI			08	Ii	I(input) [A]		
AI			09	Ic	I(comp) [A]		
PIV			10	Wc	W(comp)		
PIV			11	GR	GR		
AI			12	63HS	High pressure sensor [kg/cm2]		
AI			13	63LS	63LS Pressure sensor [kg/cm2]		
AI			14	TH2	Thermistor 2 [°C]		
AI			15	TH3	Thermistor 3 [°C]		
AI			16	TH4	Thermistor 4 [°C]		
AI			17	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			18	TH7	Thermistor 7 [°C]		
AI			19	TH8	Thermistor 8 [°C]		
PIV			20	Dmnd(%)	Demand(%) [%]		
AI			21	SC	SC [°C]		
AI			22	SCm	SCm [°C]		
AI			23	HicSC	HIC SC [°C]		
AI			24	HicSCm	HIC SCm [°C]		
BI			25	Dmnd	Demand		
BI			26	52C	52C		
BI			27	21S4	21S4		
BI			28	SV1	SV1		
BI			29	SV2	SV2		
BI			30	SV3	SV3		
BI			31	SS/BH	SS/BH		
BI			32	CN3D-2	CN3D-2		
BI			33	CN3S-2	CN3S-2		
BI			34	CN3N-2	CN3N-2		
BI			35	CN3N-3	CN3N-3		
BI			36	CN3D-3	CN3D-3		
AI			37	Pdm	Pdm [kg/cm2]		
AI			38	ETm	ETm [°C]		
AI			39	SC1	SC1 [°C]		
AI			40	SC2	SC2 [°C]		
AI			41	SC3	SC3 [°C]		
AI			42	SC4	SC4 [°C]		
AI			43	SC5	SC5 [°C]		
AI			44	SC6	SC6 [°C]		
AI			45	SC7	SC7 [°C]		
AI			46	SC8	SC8 [°C]		
AI			47	SC9	SC9 [°C]		
AI			48	SC10	SC10 [°C]		
AI			49	SC11	SC11 [°C]		
AI			50	SC12	SC12 [°C]		
AI			51	SC13	SC13 [°C]		
AI			52	SC14	SC14 [°C]		
AI			53	SC15	SC15 [°C]		
AI			54	SC16	SC16 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI		55	SC17	SC17 [°C]			
AI		56	SC18	SC18 [°C]			
AI		57	SC19	SC19 [°C]			
AI		58	SC20	SC20 [°C]			
AI		59	SC21	SC21			
AI		60	SC22	SC22			
AI		61	SC23	SC23			
AI		62	SC24	SC24			
AI		63	SC25	SC25			
AI		64	SC26	SC26			
AI		65	SC27	SC27			
AI		66	SC28	SC28			
AI		67	SC29	SC29			
AI		68	SC30	SC30			
AI		69	SCm1	SCm1 [°C]			
AI		70	SCm2	SCm2 [°C]			
AI		71	SCm3	SCm3 [°C]			
AI		72	SCm4	SCm4 [°C]			
AI		73	SCm5	SCm5 [°C]			
AI		74	SCm6	SCm6 [°C]			
AI		75	SCm7	SCm7 [°C]			
AI		76	SCm8	SCm8 [°C]			
AI		77	SCm9	SCm9 [°C]			
AI		78	SCm10	SCm10 [°C]			
AI		79	SCm11	SCm11 [°C]			
AI		80	SCm12	SCm12 [°C]			
AI		81	SCm13	SCm13 [°C]			
AI		82	SCm14	SCm14 [°C]			
AI		83	SCm15	SCm15 [°C]			
AI		84	SCm16	SCm16 [°C]			
AI		85	SCm17	SCm17 [°C]			
AI		86	SCm18	SCm18 [°C]			
AI		87	SCm19	SCm19 [°C]			
AI		88	SCm20	SCm20 [°C]			
AI		89	SCm21	SCm21			
AI		90	SCm22	SCm22			
AI		91	SCm23	SCm23			
AI		92	SCm24	SCm24			
AI		93	SCm25	SCm25			
AI		94	SC2m6	SC2m6			
AI		95	SC2m7	SC2m7			
AI		96	SCm28	SCm28			
AI		97	SC2m9	SC2m9			
AI		98	SCm30	SCm30			
PIV		99	LEV1	LEV1 Linear expansion valve [pls]			
PIV		100	LEV2	LEV2 Linear expansion valve [pls]			
PIV		101	LEV3	LEV3 Pulse [pls]			
PIV		102	LEV4	Linear expansion valve [pls]			
PIV		103	LEV5	LEV5 [pls]			
PIV		104	LEV6	LEV6 [pls]			
PIV		105	LEV7	LEV7 [pls]			
PIV		106	LEV8	LEV8 [pls]			
PIV		107	LEV9	LEV9 [pls]			
PIV		108	LEV10	LEV10 [pls]			
PIV		109	LEV11	LEV11 [pls]			
PIV		110	LEV12	LEV12 [pls]			
PIV		111	LEV13	LEV13 [pls]			
PIV		112	LEV14	LEV14 [pls]			



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV				113		LEV15	LEV15 [pls]
PIV				114		LEV16	LEV16 [pls]
PIV				115		LEV17	LEV17 [pls]
PIV				116		LEV18	LEV18 [pls]
PIV				117		LEV19	LEV19 [pls]
PIV				118		LEV20	LEV20 [pls]
PIV				119		LEV21	LEV21
PIV				120		LEV22	LEV22
PIV				121		LEV23	LEV23
PIV				122		LEV24	LEV24
PIV				123		LEV25	LEV25
PIV				124		LEV26	LEV26
PIV				125		LEV27	LEV27
PIV				126		LEV28	LEV28
PIV				127		LEV29	LEV29
PIV				128		LEV30	LEV30

• PURY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
AI				01	TH3	Thermistor 3 [°C]	
AI				02	TH4	Thermistor 4 [°C]	
AI				03	TH5	Thermistor 5 [°C]	
AI				04	TH6	Thermistor 6 [°C]	
AI				05	TH7	Thermistor 7 [°C]	
AI				06	63HS1	63HS1 Pressure sensor [kg/cm2]	
AI				07	63LS	63LS Pressure sensor [kg/cm2]	
AI				08	THHS	Thermistor 9 [°C]	
AI				09	Tc	Condensing temperature [°C]	
AI				10	Te	Evaporating temperature [°C]	
AI				11	Vdc	COMP bus voltage [V]	
AI				12	Iu	U-Phase current effective value [A]	
AI				13	Iw	W-Phase current effective value [A]	
IV				14	F(Hz)	All temporary frequencies [Hz]	
PIV				15	FAN	Fan output [Hz]	
PIV				16	Foc	Temporary frequency [Hz]	
IV				17	QjC	Total capacity Cool	
IV				18	QjH	Total capacity Heat	
BI				19	Dmnd	Demand	
BI				20	SV1a	SV1(A)/SV1a	
BI				21	Dmnd2	Demand2	
BI				22	Snow	Snow	
BI				23	Ngt	Night	
BI				24	Ngt2	Night2	
BI				25	21S4a	21S4a	
BI				26	21S4b	21S4b	
BI				27	SV5b	SV5b	
BI				28	SV5c	SV5c	
BI				29	52F	52F	
BI				30	SV9	SV9	
BI				31	SV4a	SV4a	
BI				32	SV4b	SV4b	
BI				33	SV4c	SV4c	
BI				34	SV4d	SV4d	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI					35	CH21	
PIV					36	ALh	
AI					37	TH15	
AI					38	TH16	
AI					39	TH17	
AI					40	TH18	
PIV					41	OpeM	
PIV					42	CtrlM	

• PURY-P [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV2b	LEV2b [pls]		
PIV			11	LEV2d	LEV2d		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LX	LX		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
IV			17	Vdc	Bus voltage [V]		
PIV			18	LEV9	LEV9 [pls]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH5	Thermistor 5 [°C]		
AI			24	TH7	Thermistor 7 [°C]		
AI			25	TH15	Thermistor 15 [°C]		
AI			26	FAN-Ver	Fan1 SW version		
PIV			27	Save	Capacity save signal [%]		
PIV			28	OpeS	Operation Status		
PIV			29	Attr	Attribute (OC/OS identification)		
PIV			30	M-NetSupUn	M-NET supply unit		
PIV			31	StrtUpUn	Start-up unit		
AI			32	Tc	Condensing temperature [°C]		
AI			33	Te	Evaporating temperature [°C]		
AI			34	THHS	Thermistor 9 [°C]		
BI			35	Dmnd	Demand		
BI			36	SV1a	SV1(A)/SV1a		
BI			37	Dmnd2	Demand2		
BI			38	Ngt	Night		
BI			39	Ngt2	Night2		
BI			40	Snow	Snow		
BI			41	21S4a	21S4a		
BI			42	21S4b	21S4b		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV			43	ALh		ALh	
BI			44	SV2		SV2	
IV			45	AK		Heat exchanger capacity	
AI			46	THHS(FAN1)		THHS(FAN1) [°C]	
AI			47	RotTm		Rotation timer	
BI			48	IH		IH	
PIV			49	FAN-Fr		Fan1 run status	
BI			50	RefChrgAdj		Ref Charge Adj	
BI			51	WM		WM	
BI			52	Rep		Repeater output	
BI			53	72C		72C	
BI			54	CompOn		Comp ON	
BI			55	M-NetSup		M-NET supply	
PIV			56	Err		Error code	
PIV			57	ErrDet		Error detail code	
PIV			58	ErrSrc		Error source address	
PIV			59	MntErr		Maintenance error code	
PIV			60	MntErrDet		Maintenance error detail code	
PIV			61	MntErrSrc		Maintenance error source address	
PIV			62	PrelErr		Preliminary error code	
PIV			63	PrelErrDet		Preliminary error detail code	
PIV			64	PrelErrSrc		Preliminary error source address	

• PURY-P [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	LX	LX		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			17	FAN-Fr	Fan1 run status		
PIV			18	FAN2-Fr	Fan2 run status		
PIV			19	FAN2	FAN2		
IV			20	Vdc	Bus voltage [V]		
PIV			21	LEV2b	LEV2b [pls]		
PIV			22	LEV2d	LEV2d		
PIV			23	LEV9	LEV9 [pls]		
AI			24	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			25	63LS	63LS Pressure sensor [kg/cm2]		
AI			26	TH3	Thermistor 3 [°C]		
AI			27	TH4	Thermistor 4 [°C]		
AI			28	TH5	Thermistor 5 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			29	TH7	Thermistor 7 [°C]		
AI			30	TH15	Thermistor 15 [°C]		
AI			31	FAN-Ver	Fan1 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		
PIV			35	M-NetSupUn	M-NET supply unit		
PIV			36	StrtUpUn	Start-up unit		
AI			37	FAN2-Ver	Fan2 SW version		
BI			38	RefChrgAdj	Ref Charge Adj		
AI			39	Tc	Condensing temperature [°C]		
AI			40	Te	Evaporating temperature [°C]		
AI			41	THHS	Thermistor 9 [°C]		
BI			42	21S4a	21S4a		
BI			43	21S4b	21S4b		
BI			44	SV1a	SV1(A)/SV1a		
BI			45	SV2	SV2		
IV			46	AK	Heat exchanger capacity		
PIV			47	Err	Error code		
PIV			48	ErrDet	Error detail code		
PIV			49	ErrSrc	Error source address		
PIV			50	MntErr	Maintenance error code		
PIV			51	MntErrDet	Maintenance error detail code		
PIV			52	MntErrSrc	Maintenance error source address		
PIV			53	PrelErr	Preliminary error code		
PIV			54	PrelErrDet	Preliminary error detail code		
PIV			55	PrelErrSrc	Preliminary error source address		
AI			56	THHS(FAN1)	THHS(FAN1) [°C]		
AI			57	THHS(FAN2)	THHS(FAN2) [°C]		
BI			58	Dmnd	Demand		
BI			59	Dmnd2	Demand2		
BI			60	Ngd	Night		
BI			61	Ngd2	Night2		
BI			62	Snow	Snow		
BI			63	WM	WM		
AI			64	RotTm	Rotation timer		
BI			65	Rep	Repeater output		
BI			66	72C	72C		
BI			67	CompOn	Comp ON		
BI			68	M-NetSup	M-NET supply		
BI			69	IH	IH		
PIV			70	ALh	ALh		

• PURY-P [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QcC	Total capacity Cool		
IV			08	QcH	Total capacity Heat		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV2b	LEV2b [pls]		
PIV			11	LEV2c	LEV2c [pls]		
PIV			12	LEV2d	LEV2d		
PIV			13	LEV9	LEV9 [pls]		
AI			14	Idc	Direct current [A]		
AI			15	Iu	U-Phase current effective value [A]		
AI			16	Iw	W-Phase current effective value [A]		
PIV			17	AL	AL		
PIV			18	FAN(rpm)	FAN(rpm) [rpm]		
PIV			19	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			20	FAN2	FAN2		
IV			21	Vdc	Bus voltage [V]		
AI			22	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			23	63LS	63LS Pressure sensor [kg/cm2]		
AI			24	TH3	Thermistor 3 [°C]		
AI			25	TH4	Thermistor 4 [°C]		
AI			26	TH5	Thermistor 5 [°C]		
AI			27	TH7	Thermistor 7 [°C]		
AI			28	TH15	Thermistor 15 [°C]		
AI			29	TH16	Thermistor 16 [°C]		
AI			30	TH17	TH17		
AI			31	TH18	Thermistor 18 [°C]		
AI			32	FAN-Ver	Fan1 SW version		
AI			33	FAN2-Ver	Fan2 SW version		
PIV			34	Save	Capacity save signal [%]		
PIV			35	OpeS	Operation Status		
PIV			36	Attr	Attribute (OC/OS identification)		
PIV			37	M-NetSupUn	M-NET supply unit		
PIV			38	StrtUpUn	Start-up unit		
AI			39	Tc	Condensing temperature [°C]		
AI			40	Te	Evaporating temperature [°C]		
AI			41	THHS	Thermistor 9 [°C]		
AI			42	LX	LX		
IV			43	AK	Heat exchanger capacity		
AI			44	THHS(FAN1)	THHS(FAN1) [°C]		
AI			45	THHS(FAN2)	THHS(FAN2) [°C]		
AI			46	RotTm	Rotation timer		
PIV			47	Err	Error code		
PIV			48	ErrDet	Error detail code		
PIV			49	ErrSrc	Error source address		
PIV			50	MntErr	Maintenance error code		
PIV			51	MntErrDet	Maintenance error detail code		
PIV			52	MntErrSrc	Maintenance error source address		
PIV			53	PreErr	Preliminary error code		
PIV			54	PreErrDet	Preliminary error detail code		
PIV			55	PreErrSrc	Preliminary error source address		
BI			56	Dmnd	Demand		
BI			57	SV1a	SV1(A)/SV1a		
BI			58	Dmnd2	Demand2		
BI			59	Snow	Snow		
BI			60	Ng _t	Night		
BI			61	Ng _t 2	Night2		
BI			62	21S4a	21S4a		
BI			63	21S4b	21S4b		
BI			64	21S4c	21S4c		
BI			65	IH	IH		
PIV			66	FAN-Fr	Fan1 run status		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	67				FAN2-Fr	Fan2 run status	
BI	68				RefChrgAdj	Ref Charge Adj	
BI	69				WM	WM	
BI	70				Rep	Repeater output	
BI	71				72C	72C	
BI	72				CompOn	Comp ON	
BI	73				M-NetSup	M-NET supply	
BI	74				CH21	CH21	
PIV	75				ALh	ALh	
BI	76				SV2	SV2	

• **PURY-P [capacity] (T/Y)NU-A**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				CtrlM	Control Mode	
PIV	02				OpeM	Operation Mode	
PIV	03				F1	Temporary frequency of No.1 COMP [Hz]	
PIV	04				Fos	Temporary frequency [Hz]	
PIV	05				FAN	Fan output [Hz]	
IV	06				QjC	Total capacity Cool	
IV	07				QjH	Total capacity Heat	
PIV	08				LEV2	LEV2 Linear expansion valve [pls]	
AI	09				Idc	Direct current [A]	
AI	10				Iu	U-Phase current effective value [A]	
AI	11				Iw	W-Phase current effective value [A]	
PIV	12				AL	AL	
PIV	13				FAN(rpm)	FAN(rpm) [rpm]	
PIV	14				FAN2(rpm)	FAN2(rpm) [rpm]	
PIV	15				FAN-Fr	Fan1 run status	
PIV	16				FAN2-Fr	Fan2 run status	
PIV	17				FAN2	FAN2	
IV	18				Vdc	Bus voltage [V]	
PIV	19				LEV2b	LEV2b [pls]	
PIV	20				LEV2d	LEV2d	
PIV	21				LEV9	LEV9 [pls]	
AI	22				63HS1	63HS1 Pressure sensor [kg/cm2]	
AI	23				63LS	63LS Pressure sensor [kg/cm2]	
AI	24				TH3	Thermistor 3 [°C]	
AI	25				TH4	Thermistor 4 [°C]	
AI	26				TH5	Thermistor 5 [°C]	
AI	27				TH7	Thermistor 7 [°C]	
AI	28				TH15	Thermistor 15 [°C]	
AI	29				FAN-Ver	Fan1 SW version	
PIV	30				Save	Capacity save signal [%]	
PIV	31				OpeS	Operation Status	
PIV	32				Attr	Attribute (OC/OS identification)	
AI	33				FAN2-Ver	Fan2 SW version	
AI	34				Tc	Condensing temperature [°C]	
AI	35				Te	Evaporating temperature [°C]	
AI	36				THHS	Thermistor 9 [°C]	
BI	37				21S4a	21S4a	
BI	38				21S4b	21S4b	
BI	39				SV1a	SV1(A)/SV1a	
BI	40				SV2	SV2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV			41	AK	Heat exchanger capacity		
PIV			42	Err	Error code		
PIV			43	ErrDet	Error detail code		
PIV			44	ErrSrc	Error source address		
PIV			45	MntErr	Maintenance error code		
PIV			46	MntErrDet	Maintenance error detail code		
PIV			47	MntErrSrc	Maintenance error source address		
PIV			48	PrelErr	Preliminary error code		
PIV			49	PrelErrDet	Preliminary error detail code		
PIV			50	PrelErrSrc	Preliminary error source address		
AI			51	THHS(FAN1)	THHS(FAN1) [°C]		
AI			52	THHS(FAN2)	THHS(FAN2) [°C]		
BI			53	Dmnd	Demand		
BI			54	Dmnd2	Demand2		
BI			55	Ngt	Night		
BI			56	Ngt2	Night2		
BI			57	Snow	Snow		
BI			58	WM	WM		
BI			59	Rep	Repeater output		
BI			60	72C	72C		
BI			61	CompOn	Comp ON		
BI			62	M-NetSup	M-NET supply		
BI			63	IH	IH		
PIV			64	ALh	ALh		

• PURY-P [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	Opem	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV2	LEV2 Linear expansion valve [pls]		
PIV			09	LEV2b	LEV2b [pls]		
PIV			10	LEV2c	LEV2c [pls]		
PIV			11	LEV2d	LEV2d		
PIV			12	LEV9	LEV9 [pls]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
PIV			17	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			18	FAN2	FAN2		
IV			19	Vdc	Bus voltage [V]		
AI			20	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			21	63LS	63LS Pressure sensor [kg/cm2]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		
AI			25	TH7	Thermistor 7 [°C]		
AI			26	TH15	Thermistor 15 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			27	TH16	Thermistor 16 [°C]		
AI			28	TH17	TH17		
AI			29	TH18	Thermistor 18 [°C]		
AI			30	FAN-Ver	Fan1 SW version		
AI			31	FAN2-Ver	Fan2 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		
AI			35	Tc	Condensing temperature [°C]		
AI			36	Te	Evaporating temperature [°C]		
AI			37	THHS	Thermistor 9 [°C]		
IV			38	AK	Heat exchanger capacity		
AI			39	THHS(FAN1)	THHS(FAN1) [°C]		
AI			40	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			41	Err	Error code		
PIV			42	ErrDet	Error detail code		
PIV			43	ErrSrc	Error source address		
PIV			44	MntErr	Maintenance error code		
PIV			45	MntErrDet	Maintenance error detail code		
PIV			46	MntErrSrc	Maintenance error source address		
PIV			47	PrelErr	Preliminary error code		
PIV			48	PrelErrDet	Preliminary error detail code		
PIV			49	PrelErrSrc	Preliminary error source address		
BI			50	Dmnd	Demand		
BI			51	SV1a	SV1(A)/SV1a		
BI			52	Dmnd2	Demand2		
BI			53	Snow	Snow		
BI			54	Ngt	Night		
BI			55	Ngt2	Night2		
BI			56	21S4a	21S4a		
BI			57	21S4b	21S4b		
BI			58	21S4c	21S4c		
BI			59	IH	IH		
PIV			60	FAN-Fr	Fan1 run status		
PIV			61	FAN2-Fr	Fan2 run status		
BI			62	WM	WM		
BI			63	Rep	Repeater output		
BI			64	72C	72C		
BI			65	CompOn	Comp ON		
BI			66	M-NetSup	M-NET supply		
BI			67	CH21	CH21		
PIV			68	ALh	ALh		
BI			69	SV2	SV2		

• PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV			08		QjH	Total capacity Heat	
PIV			09		LEV2	LEV2 Linear expansion valve [pls]	
PIV			10		LEV4	Linear expansion valve [pls]	
AI			11		Idc	Direct current [A]	
AI			12		Iu	U-Phase current effective value [A]	
AI			13		Iw	W-Phase current effective value [A]	
PIV			14		AL	AL	
AI			15		LX	LX	
PIV			16		FAN(rpm)	FAN(rpm) [rpm]	
IV			17		Vdc	Bus voltage [V]	
PIV			18		LEV2b	LEV2b [pls]	
PIV			19		LEV2d	LEV2d	
PIV			20		LEV9	LEV9 [pls]	
AI			21		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			22		63LS	63LS Pressure sensor [kg/cm2]	
AI			23		TH3	Thermistor 3 [°C]	
AI			24		TH4	Thermistor 4 [°C]	
AI			25		TH5	Thermistor 5 [°C]	
AI			26		TH7	Thermistor 7 [°C]	
AI			27		TH15	Thermistor 15 [°C]	
AI			28		FAN-Ver	Fan1 SW version	
PIV			29		Save	Capacity save signal [%]	
PIV			30		OpeS	Operation Status	
PIV			31		Attr	Attribute (OC/OS identification)	
PIV			32		M-NetSupUn	M-NET supply unit	
PIV			33		StrtUpUn	Start-up unit	
AI			34		Tc	Condensing temperature [°C]	
AI			35		Te	Evaporating temperature [°C]	
AI			36		THHS	Thermistor 9 [°C]	
IV			37		AK	Heat exchanger capacity	
PIV			38		Err	Error code	
PIV			39		ErrDet	Error detail code	
PIV			40		ErrSrc	Error source address	
PIV			41		MntErr	Maintenance error code	
PIV			42		MntErrDet	Maintenance error detail code	
PIV			43		MntErrSrc	Maintenance error source address	
PIV			44		PrelErr	Preliminary error code	
PIV			45		PrelErrDet	Preliminary error detail code	
PIV			46		PrelErrSrc	Preliminary error source address	
AI			47		THHS(FAN1)	THHS(FAN1) [°C]	
AI			48		RotTm	Rotation timer	
BI			49		Dmnd	Demand	
BI			50		SV1a	SV1(A)/SV1a	
BI			51		Dmnd2	Demand2	
BI			52		Snow	Snow	
BI			53		Ngt	Night	
BI			54		Ngt2	Night2	
BI			55		21S4a	21S4a	
BI			56		21S4b	21S4b	
BI			57		IH	IH	
PIV			58		FAN-Fr	Fan1 run status	
BI			59		RefChrgAdj	Ref Charge Adj	
BI			60		WM	WM	
BI			61		Rep	Repeater output	
BI			62		72C	72C	
BI			63		CompOn	Comp ON	
BI			64		M-NetSup	M-NET supply	
PIV			65		ALh	ALh	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	66				SV2	SV2	

• PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				CtrlM	Control Mode	
PIV	02				OpeM	Operation Mode	
IV	03				F(Hz)	All temporary frequencies [Hz]	
PIV	04				F1	Temporary frequency of No.1 COMP [Hz]	
PIV	05				Foc	Temporary frequency [Hz]	
PIV	06				FAN	Fan output [Hz]	
IV	07				QjC	Total capacity Cool	
IV	08				QjH	Total capacity Heat	
PIV	09				LEV2	LEV2 Linear expansion valve [pls]	
PIV	10				LEV4	Linear expansion valve [pls]	
AI	11				Iu	U-Phase current effective value [A]	
AI	12				Iw	W-Phase current effective value [A]	
PIV	13				AL	AL	
AI	14				LX	LX	
PIV	15				FAN(rpm)	FAN(rpm) [rpm]	
PIV	16				FAN2(rpm)	FAN2(rpm) [rpm]	
PIV	17				FAN-Fr	Fan1 run status	
PIV	18				FAN2-Fr	Fan2 run status	
PIV	19				FAN2	FAN2	
IV	20				Vdc	Bus voltage [V]	
PIV	21				LEV2b	LEV2b [pls]	
PIV	22				LEV2d	LEV2d	
PIV	23				LEV9	LEV9 [pls]	
AI	24				63HS1	63HS1 Pressure sensor [kg/cm2]	
AI	25				63LS	63LS Pressure sensor [kg/cm2]	
AI	26				TH3	Thermistor 3 [°C]	
AI	27				TH4	Thermistor 4 [°C]	
AI	28				TH5	Thermistor 5 [°C]	
AI	29				TH7	Thermistor 7 [°C]	
AI	30				TH15	Thermistor 15 [°C]	
AI	31				FAN-Ver	Fan1 SW version	
PIV	32				Save	Capacity save signal [%]	
PIV	33				OpeS	Operation Status	
PIV	34				Attr	Attribute (OC/OS identification)	
PIV	35				M-NetSupUn	M-NET supply unit	
PIV	36				StrtUpUn	Start-up unit	
AI	37				FAN2-Ver	Fan2 SW version	
BI	38				RefChrgAdj	Ref Charge Adj	
AI	39				Tc	Condensing temperature [°C]	
AI	40				Te	Evaporating temperature [°C]	
AI	41				THHS	Thermistor 9 [°C]	
BI	42				21S4a	21S4a	
BI	43				21S4b	21S4b	
BI	44				SV1a	SV1(A)/SV1a	
BI	45				SV2	SV2	
IV	46				AK	Heat exchanger capacity	
PIV	47				Err	Error code	
PIV	48				ErrDet	Error detail code	
PIV	49				ErrSrc	Error source address	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	50					MntErr	Maintenance error code
PIV	51					MntErrDet	Maintenance error detail code
PIV	52					MntErrSrc	Maintenance error source address
PIV	53					PrelErr	Preliminary error code
PIV	54					PrelErrDet	Preliminary error detail code
PIV	55					PrelErrSrc	Preliminary error source address
AI	56					THHS(FAN1)	THHS(FAN1) [°C]
AI	57					THHS(FAN2)	THHS(FAN2) [°C]
BI	58					Dmnd	Demand
BI	59					Dmnd2	Demand2
BI	60					Ng1	Night
BI	61					Ng12	Night2
BI	62					Snow	Snow
BI	63					WM	WM
AI	64					RotTm	Rotation timer
BI	65					Rep	Repeater output
BI	66					72C	72C
BI	67					CompOn	Comp ON
BI	68					M-NetSup	M-NET supply
BI	69					IH	IH
PIV	70					ALh	ALh

• PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	CtrlM	Control Mode
PIV					02	OpeM	Operation Mode
IV					03	F(Hz)	All temporary frequencies [Hz]
PIV					04	F1	Temporary frequency of No.1 COMP [Hz]
PIV					05	Foc	Temporary frequency [Hz]
PIV					06	FAN	Fan output [Hz]
IV					07	QjC	Total capacity Cool
IV					08	QjH	Total capacity Heat
PIV					09	LEV2	LEV2 Linear expansion valve [pls]
PIV					10	LEV4	Linear expansion valve [pls]
AI					11	Idc	Direct current [A]
AI					12	Iu	U-Phase current effective value [A]
AI					13	Iw	W-Phase current effective value [A]
PIV					14	AL	AL
AI					15	LX	LX
PIV					16	FAN(rpm)	FAN(rpm) [rpm]
PIV					17	FAN2(rpm)	FAN2(rpm) [rpm]
PIV					18	FAN-Fr	Fan1 run status
PIV					19	FAN2-Fr	Fan2 run status
PIV					20	FAN2	FAN2
IV					21	Vdc	Bus voltage [V]
PIV					22	LEV2b	LEV2b [pls]
PIV					23	LEV2c	LEV2c [pls]
PIV					24	LEV2d	LEV2d
PIV					25	LEV9	LEV9 [pls]
AI					26	63HS1	63HS1 Pressure sensor [kg/cm2]
AI					27	63LS	63LS Pressure sensor [kg/cm2]
AI					28	TH3	Thermistor 3 [°C]
AI					29	TH4	Thermistor 4 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI					30	TH5	Thermistor 5 [°C]
AI					31	TH7	Thermistor 7 [°C]
AI					32	TH15	Thermistor 15 [°C]
AI					33	TH16	Thermistor 16 [°C]
AI					34	TH17	TH17
AI					35	TH18	Thermistor 18 [°C]
AI					36	FAN-Ver	Fan1 SW version
PIV					37	Save	Capacity save signal [%]
PIV					38	OpeS	Operation Status
PIV					39	Attr	Attribute (OC/OS identification)
PIV					40	M-NetSupUn	M-NET supply unit
PIV					41	StrtUpUn	Start-up unit
AI					42	FAN2-Ver	Fan2 SW version
BI					43	RefChrgAdj	Ref Charge Adj
AI					44	Tc	Condensing temperature [°C]
AI					45	Te	Evaporating temperature [°C]
AI					46	THHS	Thermistor 9 [°C]
BI					47	21S4a	21S4a
BI					48	21S4b	21S4b
BI					49	21S4c	21S4c
BI					50	SV1a	SV1(A)/SV1a
BI					51	SV2	SV2
IV					52	AK	Heat exchanger capacity
PIV					53	Err	Error code
PIV					54	ErrDet	Error detail code
PIV					55	ErrSrc	Error source address
PIV					56	MntErr	Maintenance error code
PIV					57	MntErrDet	Maintenance error detail code
PIV					58	MntErrSrc	Maintenance error source address
PIV					59	PrelErr	Preliminary error code
PIV					60	PrelErrDet	Preliminary error detail code
PIV					61	PrelErrSrc	Preliminary error source address
AI					62	THHS(FAN1)	THHS(FAN1) [°C]
AI					63	THHS(FAN2)	THHS(FAN2) [°C]
BI					64	Dmnd	Demand
BI					65	Dmnd2	Demand2
BI					66	Ngt	Night
BI					67	Ngt2	Night2
BI					68	Snow	Snow
BI					69	WM	WM
AI					70	RotTm	Rotation timer
BI					71	Rep	Repeater output
BI					72	72C	72C
BI					73	CompOn	Comp ON
BI					74	M-NetSup	M-NET supply
BI					75	IH	IH
BI					76	CH21	CH21
PIV					77	ALh	ALh

• PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				CtrlM	Control Mode	
PIV	02				OpeM	Operation Mode	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV			03		F1	Temporary frequency of No.1 COMP [Hz]	
PIV			04		Fos	Temporary frequency [Hz]	
PIV			05		FAN	Fan output [Hz]	
IV			06		QjC	Total capacity Cool	
IV			07		QjH	Total capacity Heat	
PIV			08		LEV2	LEV2 Linear expansion valve [pls]	
PIV			09		LEV4	Linear expansion valve [pls]	
AI			10		Iu	U-Phase current effective value [A]	
AI			11		Iw	W-Phase current effective value [A]	
PIV			12		AL	AL	
PIV			13		FAN(rpm)	FAN(rpm) [rpm]	
PIV			14		FAN2(rpm)	FAN2(rpm) [rpm]	
PIV			15		FAN-Fr	Fan1 run status	
PIV			16		FAN2-Fr	Fan2 run status	
PIV			17		FAN2	FAN2	
IV			18		Vdc	Bus voltage [V]	
PIV			19		LEV2b	LEV2b [pls]	
PIV			20		LEV2d	LEV2d	
PIV			21		LEV9	LEV9 [pls]	
AI			22		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			23		63LS	63LS Pressure sensor [kg/cm2]	
AI			24		TH3	Thermistor 3 [°C]	
AI			25		TH4	Thermistor 4 [°C]	
AI			26		TH5	Thermistor 5 [°C]	
AI			27		TH7	Thermistor 7 [°C]	
AI			28		TH15	Thermistor 15 [°C]	
AI			29		FAN-Ver	Fan1 SW version	
PIV			30		Save	Capacity save signal [%]	
PIV			31		OpeS	Operation Status	
PIV			32		Attr	Attribute (OC/OS identification)	
AI			33		FAN2-Ver	Fan2 SW version	
AI			34		Tc	Condensing temperature [°C]	
AI			35		Te	Evaporating temperature [°C]	
AI			36		THHS	Thermistor 9 [°C]	
BI			37		21S4a	21S4a	
BI			38		21S4b	21S4b	
BI			39		SV1a	SV1(A)/SV1a	
BI			40		SV2	SV2	
IV			41		AK	Heat exchanger capacity	
PIV			42		Err	Error code	
PIV			43		ErrDet	Error detail code	
PIV			44		ErrSrc	Error source address	
PIV			45		MntErr	Maintenance error code	
PIV			46		MntErrDet	Maintenance error detail code	
PIV			47		MntErrSrc	Maintenance error source address	
PIV			48		PrelErr	Preliminary error code	
PIV			49		PrelErrDet	Preliminary error detail code	
PIV			50		PrelErrSrc	Preliminary error source address	
AI			51		THHS(FAN1)	THHS(FAN1) [°C]	
AI			52		THHS(FAN2)	THHS(FAN2) [°C]	
BI			53		Dmnd	Demand	
BI			54		Dmnd2	Demand2	
BI			55		NgT	Night	
BI			56		NgT2	Night2	
BI			57		Snow	Snow	
BI			58		WM	WM	
BI			59		Rep	Repeater output	
BI			60		72C	72C	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	61					CompOn	Comp ON
BI	62					M-NetSup	M-NET supply
BI	63					IH	IH
PIV	64					ALh	ALh

• PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV2	LEV2 Linear expansion valve [pls]		
PIV			09	LEV4	Linear expansion valve [pls]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
PIV			13	FAN(rpm)	FAN(rpm) [rpm]		
PIV			14	FAN2(rpm)	FAN2(rpm) [rpm]		
BI			15	IH	IH		
PIV			16	FAN-Fr	Fan1 run status		
PIV			17	FAN2-Fr	Fan2 run status		
BI			18	WM	WM		
BI			19	Rep	Repeater output		
BI			20	72C	72C		
BI			21	CompOn	Comp ON		
BI			22	M-NetSup	M-NET supply		
PIV			23	FAN2	FAN2		
IV			24	Vdc	Bus voltage [V]		
PIV			25	LEV2b	LEV2b [pls]		
PIV			26	LEV2d	LEV2d		
PIV			27	LEV2c	LEV2c [pls]		
PIV			28	LEV9	LEV9 [pls]		
AI			29	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			30	63LS	63LS Pressure sensor [kg/cm2]		
AI			31	TH3	Thermistor 3 [°C]		
AI			32	TH4	Thermistor 4 [°C]		
AI			33	TH5	Thermistor 5 [°C]		
AI			34	TH7	Thermistor 7 [°C]		
AI			35	TH15	Thermistor 15 [°C]		
AI			36	TH16	Thermistor 16 [°C]		
AI			37	TH17	TH17		
AI			38	TH18	Thermistor 18 [°C]		
AI			39	FAN-Ver	Fan1 SW version		
PIV			40	Save	Capacity save signal [%]		
PIV			41	OpeS	Operation Status		
PIV			42	Attr	Attribute (OC/OS identification)		
AI			43	FAN2-Ver	Fan2 SW version		
AI			44	Tc	Condensing temperature [°C]		
AI			45	Te	Evaporating temperature [°C]		
AI			46	THHS	Thermistor 9 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			47	SV1a	SV1(A)/SV1a		
BI			48	Dmnd	Demand		
BI			49	Dmnd2	Demand2		
BI			50	Ng1	Night		
BI			51	Ng12	Night2		
BI			52	Snow	Snow		
BI			53	21S4a	21S4a		
BI			54	21S4b	21S4b		
BI			55	21S4c	21S4c		
BI			56	CH21	CH21		
PIV			57	ALh	ALh		
BI			58	SV2	SV2		
IV			59	AK	Heat exchanger capacity		
PIV			60	Err	Error code		
PIV			61	ErrDet	Error detail code		
PIV			62	ErrSrc	Error source address		
PIV			63	MntErr	Maintenance error code		
PIV			64	MntErrDet	Maintenance error detail code		
PIV			65	MntErrSrc	Maintenance error source address		
PIV			66	PreErr	Preliminary error code		
PIV			67	PreErrDet	Preliminary error detail code		
PIV			68	PreErrSrc	Preliminary error source address		
AI			69	THHS(FAN1)	THHS(FAN1) [°C]		
AI			70	THHS(FAN2)	THHS(FAN2) [°C]		

• PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	Opem	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV4	Linear expansion valve [pls]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	LX	LX		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN2(rpm)	FAN2(rpm) [rpm]		
BI			17	IH	IH		
PIV			18	FAN-Fr	Fan1 run status		
PIV			19	FAN2-Fr	Fan2 run status		
BI			20	RefChrgAdj	Ref Charge Adj		
BI			21	WM	WM		
BI			22	Rep	Repeater output		
BI			23	72C	72C		
BI			24	CompOn	Comp ON		
BI			25	M-NetSup	M-NET supply		
PIV			26	FAN2	FAN2		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
IV	27				Vdc	Bus voltage [V]	
PIV	28				LEV2b	LEV2b [pls]	
PIV	29				LEV2d	LEV2d	
PIV	30				LEV9	LEV9 [pls]	
AI	31				63HS1	63HS1 Pressure sensor [kg/cm2]	
AI	32				63LS	63LS Pressure sensor [kg/cm2]	
AI	33				TH3	Thermistor 3 [°C]	
AI	34				TH4	Thermistor 4 [°C]	
AI	35				TH5	Thermistor 5 [°C]	
AI	36				TH7	Thermistor 7 [°C]	
AI	37				TH15	Thermistor 15 [°C]	
AI	38				TH18	Thermistor 18 [°C]	
AI	39				FAN-Ver	Fan1 SW version	
PIV	40				Save	Capacity save signal [%]	
PIV	41				OpeS	Operation Status	
PIV	42				Attr	Attribute (OC/OS identification)	
PIV	43				M-NetSupUn	M-NET supply unit	
PIV	44				StrtUpUn	Start-up unit	
AI	45				FAN2-Ver	Fan2 SW version	
AI	46				Tc	Condensing temperature [°C]	
AI	47				Te	Evaporating temperature [°C]	
AI	48				THHS	Thermistor 9 [°C]	
BI	49				SV1a	SV1(A)/SV1a	
BI	50				Dmnd	Demand	
BI	51				Dmnd2	Demand2	
BI	52				Ngt	Night	
BI	53				Ngt2	Night2	
BI	54				Snow	Snow	
BI	55				21S4a	21S4a	
BI	56				21S4b	21S4b	
BI	57				CH21	CH21	
PIV	58				ALh	ALh	
BI	59				SV2	SV2	
BI	60				SV10	SV10	
IV	61				AK	Heat exchanger capacity	
PIV	62				Err	Error code	
PIV	63				ErrDet	Error detail code	
PIV	64				ErrSrc	Error source address	
PIV	65				MntErr	Maintenance error code	
PIV	66				MntErrDet	Maintenance error detail code	
PIV	67				MntErrSrc	Maintenance error source address	
PIV	68				PrelErr	Preliminary error code	
PIV	69				PrelErrDet	Preliminary error detail code	
PIV	70				PrelErrSrc	Preliminary error source address	
AI	71				THHS(FAN1)	THHS(FAN1) [°C]	
AI	72				THHS(FAN2)	THHS(FAN2) [°C]	
AI	73				RotTm	Rotation timer	
BI	74				SV3	SV3	
PIV	75				DtaColl	Data collection	

• PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV2	LEV2 Linear expansion valve [pls]		
PIV			09	LEV4	Linear expansion valve [pls]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
PIV			13	FAN(rpm)	FAN(rpm) [rpm]		
PIV			14	FAN2(rpm)	FAN2(rpm) [rpm]		
BI			15	IH	IH		
PIV			16	FAN-Fr	Fan1 run status		
PIV			17	FAN2-Fr	Fan2 run status		
BI			18	WM	WM		
BI			19	Rep	Repeater output		
BI			20	72C	72C		
BI			21	CompOn	Comp ON		
BI			22	M-NetSup	M-NET supply		
PIV			23	FAN2	FAN2		
IV			24	Vdc	Bus voltage [V]		
PIV			25	LEV2b	LEV2b [pls]		
PIV			26	LEV2d	LEV2d		
PIV			27	LEV9	LEV9 [pls]		
AI			28	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			29	63LS	63LS Pressure sensor [kg/cm2]		
AI			30	TH3	Thermistor 3 [°C]		
AI			31	TH4	Thermistor 4 [°C]		
AI			32	TH5	Thermistor 5 [°C]		
AI			33	TH7	Thermistor 7 [°C]		
AI			34	TH15	Thermistor 15 [°C]		
AI			35	TH18	Thermistor 18 [°C]		
AI			36	FAN-Ver	Fan1 SW version		
PIV			37	Save	Capacity save signal [%]		
PIV			38	OpeS	Operation Status		
PIV			39	Attr	Attribute (OC/OS identification)		
AI			40	FAN2-Ver	Fan2 SW version		
AI			41	Tc	Condensing temperature [°C]		
AI			42	Te	Evaporating temperature [°C]		
AI			43	THHS	Thermistor 9 [°C]		
BI			44	SV1a	SV1(A)/SV1a		
BI			45	Dmnd	Demand		
BI			46	Dmnd2	Demand2		
BI			47	Ngd	Night		
BI			48	Ngd2	Night2		
BI			49	Snow	Snow		
BI			50	21S4a	21S4a		
BI			51	21S4b	21S4b		
BI			52	CH21	CH21		
PIV			53	ALh	ALh		
BI			54	SV2	SV2		
BI			55	SV10	SV10		
IV			56	AK	Heat exchanger capacity		
PIV			57	Err	Error code		
PIV			58	ErrDet	Error detail code		
PIV			59	ErrSrc	Error source address		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	60					MntErr	Maintenance error code
PIV	61					MntErrDet	Maintenance error detail code
PIV	62					MntErrSrc	Maintenance error source address
PIV	63					PrelErr	Preliminary error code
PIV	64					PrelErrDet	Preliminary error detail code
PIV	65					PrelErrSrc	Preliminary error source address
AI	66					THHS(FAN1)	THHS(FAN1) [°C]
AI	67					THHS(FAN2)	THHS(FAN2) [°C]
BI	68					SV3	SV3

• PURY-P [capacity], PUHY-P [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH1	Thermistor 1 [°C]		
AI			02	TH2	Thermistor 2 [°C]		
AI			03	TH3	Thermistor 3 [°C]		
AI			04	TH4	Thermistor 4 [°C]		
AI			05	TH5	Thermistor 5 [°C]		
AI			06	TH6	Thermistor 6 [°C]		
AI			07	TH7	Thermistor 7 [°C]		
AI			08	TH8	Thermistor 8 [°C]		
AI			09	TH9	Thermistor 9 [°C]		
AI			10	TH10	Thermistor 10 [°C]		
AI			11	TH12	Thermistor 12 [°C]		
AI			12	63HS	High pressure sensor [kg/cm2]		
AI			13	63LS	63LS Pressure sensor [kg/cm2]		
AI			14	THHS	Thermistor 9 [°C]		
AI			15	THBOX	Thermistor in box [°C]		
AI			16	Tc	Condensing temperature [°C]		
AI			17	Te	Evaporating temperature [°C]		
PIV			18	F(Hz)	All temporary frequencies [Hz]		
PIV			19	FAN	Fan output [Hz]		
PIV			20	QjC	Total capacity Cool		
PIV			21	QjH	Total capacity Heat		
AI			22	SCo	Heat exchanger outlet subcooling [°C]		
AI			23	SCc	Coil outlet subcooling [°C]		
AI			24	SHb	Coil bypass outlet superheat [°C]		

• PURY-EP [capacity] YNW-A/A1(-**)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV2b	LEV2b [pls]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			11			LEV2d	LEV2d
AI			12			Idc	Direct current [A]
AI			13			Iu	U-Phase current effective value [A]
AI			14			Iw	W-Phase current effective value [A]
PIV			15			AL	AL
AI			16			LX	LX
PIV			17			FAN(rpm)	FAN(rpm) [rpm]
IV			18			Vdc	Bus voltage [V]
PIV			19			LEV9	LEV9 [pls]
AI			20			63HS1	63HS1 Pressure sensor [kg/cm2]
AI			21			63LS	63LS Pressure sensor [kg/cm2]
AI			22			TH3	Thermistor 3 [°C]
AI			23			TH4	Thermistor 4 [°C]
AI			24			TH5	Thermistor 5 [°C]
AI			25			TH7	Thermistor 7 [°C]
AI			26			TH15	Thermistor 15 [°C]
AI			27			FAN-Ver	Fan1 SW version
PIV			28			Save	Capacity save signal [%]
PIV			29			OpeS	Operation Status
PIV			30			Attr	Attribute (OC/OS identification)
PIV			31			M-NetSupUn	M-NET supply unit
PIV			32			StrtUpUn	Start-up unit
AI			33			Tc	Condensing temperature [°C]
AI			34			Te	Evaporating temperature [°C]
AI			35			THHS	Thermistor 9 [°C]
BI			36			21S4a	21S4a
BI			37			21S4b	21S4b
BI			38			SV1a	SV1(A)/SV1a
BI			39			Dmnd	Demand
BI			40			Dmnd2	Demand2
BI			41			Ng1	Night
BI			42			Ng12	Night2
BI			43			Snow	Snow
BI			44			SV2	SV2
IV			45			AK	Heat exchanger capacity
AI			46			THHS(FAN1)	THHS(FAN1) [°C]
AI			47			RotTm	Rotation timer
PIV			48			FAN-Fr	Fan1 run status
BI			49			WM	WM
BI			50			Rep	Repeater output
BI			51			72C	72C
BI			52			CompOn	Comp ON
BI			53			M-NetSup	M-NET supply
BI			54			IH	IH

• PURY-EP [capacity] YNW-A/A1(-**)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00			Type	Outdoor Unit Type Name
PIV			01			CtrlM	Control Mode
PIV			02			OpeM	Operation Mode
IV			03			F(Hz)	All temporary frequencies [Hz]
PIV			04			F1	Temporary frequency of No.1 COMP [Hz]
PIV			05			Foc	Temporary frequency [Hz]
PIV			06			FAN	Fan output [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
IV			07		QjC	Total capacity Cool	
IV			08		QjH	Total capacity Heat	
PIV			09		LEV2	LEV2 Linear expansion valve [pls]	
PIV			10		LEV2b	LEV2b [pls]	
PIV			11		LEV2d	LEV2d	
AI			12		Iu	U-Phase current effective value [A]	
AI			13		Iw	W-Phase current effective value [A]	
PIV			14		AL	AL	
AI			15		LX	LX	
PIV			16		FAN(rpm)	FAN(rpm) [rpm]	
PIV			17		FAN2(rpm)	FAN2(rpm) [rpm]	
PIV			18		FAN2	FAN2	
IV			19		Vdc	Bus voltage [V]	
PIV			20		LEV9	LEV9 [pls]	
AI			21		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			22		63LS	63LS Pressure sensor [kg/cm2]	
AI			23		TH3	Thermistor 3 [°C]	
AI			24		TH4	Thermistor 4 [°C]	
AI			25		TH5	Thermistor 5 [°C]	
AI			26		TH7	Thermistor 7 [°C]	
AI			27		TH15	Thermistor 15 [°C]	
AI			28		FAN-Ver	Fan1 SW version	
AI			29		FAN2-Ver	Fan2 SW version	
PIV			30		Save	Capacity save signal [%]	
PIV			31		OpeS	Operation Status	
PIV			32		Attr	Attribute (OC/OS identification)	
PIV			33		M-NetSupUn	M-NET supply unit	
PIV			34		StrtUpUn	Start-up unit	
AI			35		Tc	Condensing temperature [°C]	
AI			36		Te	Evaporating temperature [°C]	
AI			37		THHS	Thermistor 9 [°C]	
BI			38		SV1a	SV1(A)/SV1a	
BI			39		Dmnd	Demand	
BI			40		Dmnd2	Demand2	
BI			41		Ngt	Night	
BI			42		Ngt2	Night2	
BI			43		Snow	Snow	
BI			44		21S4a	21S4a	
BI			45		21S4b	21S4b	
BI			46		SV2	SV2	
IV			47		AK	Heat exchanger capacity	
AI			48		THHS(FAN1)	THHS(FAN1) [°C]	
AI			49		THHS(FAN2)	THHS(FAN2) [°C]	
AI			50		RotTm	Rotation timer	
BI			51		IH	IH	
PIV			52		FAN-Fr	Fan1 run status	
PIV			53		FAN2-Fr	Fan2 run status	
BI			54		WM	WM	
BI			55		Rep	Repeater output	
BI			56		72C	72C	
BI			57		CompOn	Comp ON	
BI			58		M-NetSup	M-NET supply	
PIV			59		Err	Error code	
PIV			60		ErrDet	Error detail code	
PIV			61		ErrSrc	Error source address	
PIV			62		MntErr	Maintenance error code	
PIV			63		MntErrDet	Maintenance error detail code	
PIV			64		MntErrSrc	Maintenance error source address	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	65				PrelErr	Preliminary error code	
PIV	66				PrelErrDet	Preliminary error detail code	
PIV	67				PrelErrSrc	Preliminary error source address	
PIV	68				DtaColl	Data collection	

• **PURY-EP [capacity] YNW-A/A1(-**), PURY-P [capacity] YNW-A/A1(-**)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	CtrlM	Control Mode
PIV					02	OpeM	Operation Mode
PIV					03	F1	Temporary frequency of No.1 COMP [Hz]
PIV					04	Fos	Temporary frequency [Hz]
PIV					05	FAN	Fan output [Hz]
IV					06	QjC	Total capacity Cool
IV					07	QjH	Total capacity Heat
PIV					08	LEV2	LEV2 Linear expansion valve [pls]
PIV					09	LEV2b	LEV2b [pls]
PIV					10	LEV2d	LEV2d
AI					11	Iu	U-Phase current effective value [A]
AI					12	Iw	W-Phase current effective value [A]
PIV					13	AL	AL
PIV					14	FAN(rpm)	FAN(rpm) [rpm]
IV					15	Vdc	Bus voltage [V]
PIV					16	LEV9	LEV9 [pls]
AI					17	63HS1	63HS1 Pressure sensor [kg/cm2]
AI					18	63LS	63LS Pressure sensor [kg/cm2]
AI					19	TH3	Thermistor 3 [°C]
AI					20	TH4	Thermistor 4 [°C]
AI					21	TH5	Thermistor 5 [°C]
AI					22	TH7	Thermistor 7 [°C]
AI					23	TH15	Thermistor 15 [°C]
AI					24	FAN-Ver	Fan1 SW version
PIV					25	Save	Capacity save signal [%]
PIV					26	OpeS	Operation Status
PIV					27	Attr	Attribute (OC/OS identification)
AI					28	Tc	Condensing temperature [°C]
AI					29	Te	Evaporating temperature [°C]
AI					30	THHS	Thermistor 9 [°C]
BI					31	Dmnd	Demand
BI					32	SV1a	SV1(A)/SV1a
BI					33	Dmnd2	Demand2
BI					34	Ng1	Night
BI					35	Ng12	Night2
BI					36	Snow	Snow
BI					37	21S4a	21S4a
BI					38	21S4b	21S4b
BI					39	SV2	SV2
IV					40	AK	Heat exchanger capacity
AI					41	THHS(FAN1)	THHS(FAN1) [°C]
BI					42	IH	IH
PIV					43	FAN-Fr	Fan1 run status
BI					44	WM	WM
BI					45	Rep	Repeater output
BI					46	72C	72C



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			47			CompOn	Comp ON
BI			48			M-NetSup	M-NET supply
PIV			49			Err	Error code
PIV			50			ErrDet	Error detail code
PIV			51			ErrSrc	Error source address
PIV			52			MntErr	Maintenance error code
PIV			53			MntErrDet	Maintenance error detail code
PIV			54			MntErrSrc	Maintenance error source address
PIV			55			PrelErr	Preliminary error code
PIV			56			PrelErrDet	Preliminary error detail code
PIV			57			PrelErrSrc	Preliminary error source address

• **PURY-EP [capacity] YNW-A/A1(-**), PURY-P [capacity] YNW-A/A1(-**)**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV2	LEV2 Linear expansion valve [pls]		
PIV			09	LEV2b	LEV2b [pls]		
PIV			10	LEV2d	LEV2d		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
PIV			14	FAN(rpm)	FAN(rpm) [rpm]		
PIV			15	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			16	FAN2	FAN2		
IV			17	Vdc	Bus voltage [V]		
PIV			18	LEV9	LEV9 [pls]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH5	Thermistor 5 [°C]		
AI			24	TH7	Thermistor 7 [°C]		
AI			25	TH15	Thermistor 15 [°C]		
AI			26	FAN-Ver	Fan1 SW version		
AI			27	FAN2-Ver	Fan2 SW version		
PIV			28	Save	Capacity save signal [%]		
PIV			29	OpeS	Operation Status		
PIV			30	Attr	Attribute (OC/OS identification)		
AI			31	Tc	Condensing temperature [°C]		
AI			32	Te	Evaporating temperature [°C]		
AI			33	THHS	Thermistor 9 [°C]		
BI			34	Dmnd	Demand		
BI			35	SV1a	SV1(A)/SV1a		
BI			36	Dmnd2	Demand2		
BI			37	Ng1	Night		
BI			38	Ng2	Night2		
BI			39	Snow	Snow		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			40	21S4a	21S4a		
BI			41	21S4b	21S4b		
BI			42	SV2	SV2		
IV			43	AK	Heat exchanger capacity		
AI			44	THHS(FAN1)	THHS(FAN1) [°C]		
AI			45	THHS(FAN2)	THHS(FAN2) [°C]		
BI			46	IH	IH		
PIV			47	FAN-Fr	Fan1 run status		
PIV			48	FAN2-Fr	Fan2 run status		
BI			49	WM	WM		
BI			50	Rep	Repeater output		
BI			51	72C	72C		
BI			52	CompOn	Comp ON		
BI			53	M-NetSup	M-NET supply		
PIV			54	Err	Error code		
PIV			55	ErrDet	Error detail code		
PIV			56	ErrSrc	Error source address		
PIV			57	MntErr	Maintenance error code		
PIV			58	MntErrDet	Maintenance error detail code		
PIV			59	MntErrSrc	Maintenance error source address		
PIV			60	PrelErr	Preliminary error code		
PIV			61	PrelErrDet	Preliminary error detail code		
PIV			62	PrelErrSrc	Preliminary error source address		

• PURY-P [capacity] YNW-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH3	Thermistor 3 [°C]		
AI			02	TH4	Thermistor 4 [°C]		
AI			03	TH5	Thermistor 5 [°C]		
AI			04	TH7	Thermistor 7 [°C]		
AI			05	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			06	63LS	63LS Pressure sensor [kg/cm2]		
AI			07	THHS	Thermistor 9 [°C]		
AI			08	Tc	Condensing temperature [°C]		
AI			09	Te	Evaporating temperature [°C]		
IV			10	Vdc	COMP bus voltage [V]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
IV			13	F(Hz)	All temporary frequencies [Hz]		
PIV			14	FAN	Fan output [Hz]		
PIV			15	Foc	Temporary frequency [Hz]		
IV			16	QjC	Total capacity Cool		
IV			17	QjH	Total capacity Heat		
PIV			18	LEV2	LEV2 Linear expansion valve [pls]		
BI			19	Dmnd	Demand		
BI			20	SV1a	SV1(A)/SV1a		
BI			21	Dmnd2	Demand2		
BI			22	Snow	Snow		
BI			23	Ngt	Night		
BI			24	Ngt2	Night2		
BI			25	21S4a	21S4a		
BI			26	21S4b	21S4b		
BI			27	CH21	CH21		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV			28	ALh	ALh		
BI			29	SV2	SV2		
BI			30	IH	IH		
BI			31	H-Def1	H-Def1		
BI			32	H-Def2	H-Def2		
PIV			33	FAN-Fr	Fan1 run status		
AI			34	TH15	Thermistor 15 [°C]		
AI			35	TH16	Thermistor 16 [°C]		
AI			36	TH17	TH17		
AI			37	TH18	Thermistor 18 [°C]		
AI			38	THHS(FAN1)	THHS(FAN1) [°C]		
PIV			39	FAN(rpm)	FAN(rpm) [rpm]		
PIV			40	LEV2b	LEV2b [pls]		
PIV			41	LEV9	LEV9 [pls]		
PIV			42	OpeM	Operation Mode		
PIV			43	CtrlM	Control Mode		
PIV			44	LEV2d	LEV2d		
BI			45	CH22	CH22		
AI			46	FAN-Ver	Fan1 SW version		
PIV			47	Save	Capacity save signal [%]		
PIV			48	OpeS	Operation Status		
PIV			49	Attr	Attribute (OC/OS identification)		
PIV			50	StrtUpUn	Start-up unit		
AI			51	RotTm	Rotation timer		

• PURY-P [capacity] YNW-A/A1(-**)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QcC	Total capacity Cool		
IV			08	QiH	Total capacity Heat		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV2b	LEV2b [pls]		
PIV			11	LEV2d	LEV2d		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LX	LX		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
PIV			17	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			18	FAN2	FAN2		
IV			19	Vdc	Bus voltage [V]		
PIV			20	LEV9	LEV9 [pls]		
AI			21	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			22	63LS	63LS Pressure sensor [kg/cm2]		
AI			23	TH3	Thermistor 3 [°C]		
AI			24	TH4	Thermistor 4 [°C]		
AI			25	TH5	Thermistor 5 [°C]		
AI			26	TH7	Thermistor 7 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			27	TH15	Thermistor 15 [°C]		
AI			28	FAN-Ver	Fan1 SW version		
AI			29	FAN2-Ver	Fan2 SW version		
PIV			30	Save	Capacity save signal [%]		
PIV			31	OpeS	Operation Status		
PIV			32	Attr	Attribute (OC/OS identification)		
PIV			33	M-NetSupUn	M-NET supply unit		
PIV			34	StrtUpUn	Start-up unit		
AI			35	Tc	Condensing temperature [°C]		
AI			36	Te	Evaporating temperature [°C]		
AI			37	THHS	Thermistor 9 [°C]		
BI			38	21S4a	21S4a		
BI			39	21S4b	21S4b		
BI			40	SV1a	SV1(A)/SV1a		
BI			41	Dmnd	Demand		
BI			42	Dmnd2	Demand2		
BI			43	Ngt	Night		
BI			44	Ngt2	Night2		
BI			45	Snow	Snow		
BI			46	SV2	SV2		
IV			47	AK	Heat exchanger capacity		
AI			48	THHS(FAN1)	THHS(FAN1) [°C]		
AI			49	THHS(FAN2)	THHS(FAN2) [°C]		
AI			50	RotTm	Rotation timer		
PIV			51	FAN-Fr	Fan1 run status		
PIV			52	FAN2-Fr	Fan2 run status		
BI			53	WM	WM		
BI			54	Rep	Repeater output		
BI			55	72C	72C		
BI			56	CompOn	Comp ON		
BI			57	M-NetSup	M-NET supply		
BI			58	IH	IH		
PIV			59	Err	Error code		
PIV			60	ErrDet	Error detail code		
PIV			61	ErrSrc	Error source address		
PIV			62	MntErr	Maintenance error code		
PIV			63	MntErrDet	Maintenance error detail code		
PIV			64	MntErrSrc	Maintenance error source address		
PIV			65	PreErr	Preliminary error code		
PIV			66	PreErrDet	Preliminary error detail code		
PIV			67	PreErrSrc	Preliminary error source address		

• PURY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
AI	01				TH2	Thermistor 2 [°C]	
AI	02				TH3	Thermistor 3 [°C]	
AI	03				TH4	Thermistor 4 [°C]	
AI	04				TH5	Thermistor 5 [°C]	
AI	05				TH6	Thermistor 6 [°C]	
AI	06				TH7	Thermistor 7 [°C]	
AI	07				TH9	Thermistor 9 [°C]	
AI	08				TH10	Thermistor 10 [°C]	
AI	09				TH11	Thermistor 11 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI				10		Thermistor 12 [°C]	
AI				11		63HS High pressure sensor [kg/cm2]	
AI				12		63LS 63LS Pressure sensor [kg/cm2]	
AI				13		THHS Thermistor 9 [°C]	
AI				14		Tc Condensing temperature [°C]	
AI				15		Te Evaporating temperature [°C]	
IV				16		F(Hz) All temporary frequencies [Hz]	
PIV				17		FAN Fan output [Hz]	
PIV				18		QjC Total capacity Cool	
PIV				19		QjH Total capacity Heat	

• PURY-P [capacity] YNW-A/A1(-**)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00		Type	Outdoor Unit Type Name	
PIV			01		CtrlM	Control Mode	
PIV			02		OpeM	Operation Mode	
IV			03		F(Hz)	All temporary frequencies [Hz]	
PIV			04		F1	Temporary frequency of No.1 COMP [Hz]	
PIV			05		Foc	Temporary frequency [Hz]	
PIV			06		FAN	Fan output [Hz]	
IV			07		QjC	Total capacity Cool	
IV			08		QjH	Total capacity Heat	
AI			09		Iu	U-Phase current effective value [A]	
AI			10		Iw	W-Phase current effective value [A]	
PIV			11		AL	AL	
PIV			12		FAN(rpm)	FAN(rpm) [rpm]	
PIV			13		FAN2(rpm)	FAN2(rpm) [rpm]	
PIV			14		FAN2	FAN2	
IV			15		Vdc	Bus voltage [V]	
PIV			16		LEV2b	LEV2b [pls]	
PIV			17		LEV2c	LEV2c [pls]	
AI			18		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			19		63LS	63LS Pressure sensor [kg/cm2]	
AI			20		TH3	Thermistor 3 [°C]	
AI			21		TH4	Thermistor 4 [°C]	
AI			22		TH5	Thermistor 5 [°C]	
AI			23		TH7	Thermistor 7 [°C]	
AI			24		TH15	Thermistor 15 [°C]	
AI			25		FAN-Ver	Fan1 SW version	
AI			26		FAN2-Ver	Fan2 SW version	
PIV			27		Save	Capacity save signal [%]	
PIV			28		OpeS	Operation Status	
PIV			29		Attr	Attribute (OC/OS identification)	
PIV			30		M-NetSupUn	M-NET supply unit	
PIV			31		StrtUpUn	Start-up unit	
AI			32		Tc	Condensing temperature [°C]	
AI			33		Te	Evaporating temperature [°C]	
AI			34		THHS	Thermistor 9 [°C]	
AI			35		LX	LX	
IV			36		AK	Heat exchanger capacity	
AI			37		THHS(FAN1)	THHS(FAN1) [°C]	
AI			38		THHS(FAN2)	THHS(FAN2) [°C]	
AI			39		RotTm	Rotation timer	
PIV			40		Err	Error code	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			41	ErrDet	Error detail code		
PIV			42	ErrSrc	Error source address		
PIV			43	MntErr	Maintenance error code		
PIV			44	MntErrDet	Maintenance error detail code		
PIV			45	MntErrSrc	Maintenance error source address		
PIV			46	PreErr	Preliminary error code		
PIV			47	PreErrDet	Preliminary error detail code		
PIV			48	PreErrSrc	Preliminary error source address		
BI			49	Dmnd	Demand		
BI			50	SV1a	SV1(A)/SV1a		
BI			51	Dmnd2	Demand2		
BI			52	Snow	Snow		
BI			53	Ngt	Night		
BI			54	Ngt2	Night2		
BI			55	21S4a	21S4a		
BI			56	21S4b	21S4b		
BI			57	21S4c	21S4c		
BI			58	IH	IH		
PIV			59	FAN-Fr	Fan1 run status		
PIV			60	FAN2-Fr	Fan2 run status		
BI			61	WM	WM		
BI			62	Rep	Repeater output		
BI			63	72C	72C		
BI			64	CompOn	Comp ON		
BI			65	M-NetSup	M-NET supply		
BI			66	SV2	SV2		

• PURY-P [capacity] YNW-A/A1(-**)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV2	LEV2 Linear expansion valve [pls]		
PIV			09	LEV2b	LEV2b [pls]		
PIV			10	LEV2c	LEV2c [pls]		
PIV			11	LEV2d	LEV2d		
PIV			12	LEV9	LEV9 [pls]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
PIV			17	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			18	FAN2	FAN2		
IV			19	Vdc	Bus voltage [V]		
AI			20	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			21	63LS	63LS Pressure sensor [kg/cm2]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			25	TH7	Thermistor 7 [°C]		
AI			26	TH15	Thermistor 15 [°C]		
AI			27	FAN-Ver	Fan1 SW version		
AI			28	FAN2-Ver	Fan2 SW version		
PIV			29	Save	Capacity save signal [%]		
PIV			30	OpeS	Operation Status		
PIV			31	Attr	Attribute (OC/OS identification)		
AI			32	Tc	Condensing temperature [°C]		
AI			33	Te	Evaporating temperature [°C]		
AI			34	THHS	Thermistor 9 [°C]		
IV			35	AK	Heat exchanger capacity		
AI			36	THHS(FAN1)	THHS(FAN1) [°C]		
AI			37	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			38	Err	Error code		
PIV			39	ErrDet	Error detail code		
PIV			40	ErrSrc	Error source address		
PIV			41	MntErr	Maintenance error code		
PIV			42	MntErrDet	Maintenance error detail code		
PIV			43	MntErrSrc	Maintenance error source address		
PIV			44	PreErr	Preliminary error code		
PIV			45	PreErrDet	Preliminary error detail code		
PIV			46	PreErrSrc	Preliminary error source address		
BI			47	Dmnd	Demand		
BI			48	SV1a	SV1(A)/SV1a		
BI			49	Dmnd2	Demand2		
BI			50	Snow	Snow		
BI			51	Ngt	Night		
BI			52	Ngt2	Night2		
BI			53	21S4a	21S4a		
BI			54	21S4b	21S4b		
BI			55	21S4c	21S4c		
BI			56	IH	IH		
PIV			57	FAN-Fr	Fan1 run status		
PIV			58	FAN2-Fr	Fan2 run status		
BI			59	WM	WM		
BI			60	Rep	Repeater output		
BI			61	72C	72C		
BI			62	CompOn	Comp ON		
BI			63	M-NetSup	M-NET supply		
BI			64	SV2	SV2		

• PURY-(E)P [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor Unit Type Name
AI				01		TH3	Thermistor 3 [°C]
AI				02		TH4	Thermistor 4 [°C]
AI				03		TH5	Thermistor 5 [°C]
AI				04		TH6	Thermistor 6 [°C]
AI				05		TH7	Thermistor 7 [°C]
AI				06		63HS1	63HS1 Pressure sensor [kg/cm2]
AI				07		63LS	63LS Pressure sensor [kg/cm2]
AI				08		THHS	Thermistor 9 [°C]
AI				09		Tc	Condensing temperature [°C]
AI				10		Te	Evaporating temperature [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			11		Vdc	COMP bus voltage [V]	
AI			12		Iu	U-Phase current effective value [A]	
AI			13		Iw	W-Phase current effective value [A]	
IV			14		F(Hz)	All temporary frequencies [Hz]	
PIV			15		FAN	Fan output [Hz]	
PIV			16		Foc	Temporary frequency [Hz]	
IV			17		QjC	Total capacity Cool	
IV			18		QjH	Total capacity Heat	
BI			19		Dmnd	Demand	
BI			20		SV1a	SV1(A)/SV1a	
BI			21		Dmnd2	Demand2	
BI			22		Snow	Snow	
BI			23		Ngt	Night	
BI			24		Ngt2	Night2	
BI			25		21S4a	21S4a	
BI			26		SV5b	SV5b	
BI			27		SV9	SV9	
BI			28		SV4a	SV4a	
BI			29		SV4b	SV4b	
BI			30		SV4d	SV4d	
BI			31		CH21	CH21	
PIV			32		ALh	ALh	
BI			33		IH	IH	
AI			34		TH15	Thermistor 15 [°C]	
AI			35		TH16	Thermistor 16 [°C]	
AI			36		TH17	TH17	
AI			37		TH18	Thermistor 18 [°C]	
PIV			38		FAN(rpm)	FAN(rpm) [rpm]	
PIV			39		OpeM	Operation Mode	
PIV			40		CtrlM	Control Mode	
PIV			41		LEV5a	LEV5a [pls]	

• PURY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QiC	Total capacity Cool		
IV			08	QiH	Total capacity Heat		
PIV			09	LEV5a	LEV5a [pls]		
PIV			10	LEV5b	LEV5b [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			17	FAN2	FAN2		
AI			18	Vdc	COMP bus voltage [V]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH5	Thermistor 5 [°C]		
AI			24	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			25	TH7	Thermistor 7 [°C]		
AI			26	TH15	Thermistor 15 [°C]		
AI			27	TH16	Thermistor 16 [°C]		
AI			28	TH17	TH17		
AI			29	TH18	Thermistor 18 [°C]		
AI			30	FAN-Ver	Fan1 SW version		
AI			31	FAN2-Ver	Fan2 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		
PIV			35	M-NetSupUn	M-NET supply unit		
PIV			36	StrtUpUn	Start-up unit		
AI			37	Tc	Condensing temperature [°C]		
AI			38	Te	Evaporating temperature [°C]		
AI			39	THHS	Thermistor 9 [°C]		
AI			40	LX	LX		
IV			41	AK	Heat exchanger capacity		
AI			42	RotTm	Rotation timer		
BI			43	Dmnd	Demand		
BI			44	SV1a	SV1(A)/SV1a		
BI			45	Dmnd2	Demand2		
BI			46	Snow	Snow		
BI			47	Ngt	Night		
BI			48	Ngt2	Night2		
BI			49	21S4a	21S4a		
BI			50	21S4b	21S4b		
BI			51	SV5b	SV5b		
BI			52	IH	IH		
PIV			53	FAN-Fr	Fan1 run status		
PIV			54	FAN2-Fr	Fan2 run status		
BI			55	AF	Active Filter		
BI			56	WM	WM		
BI			57	Rep	Repeater output		
BI			58	72C	72C		
BI			59	CompOn	Comp ON		
BI			60	M-NetSup	M-NET supply		
BI			61	SV9	SV9		
BI			62	SV4a	SV4a		
BI			63	SV4b	SV4b		
BI			64	SV4c	SV4c		
BI			65	SV4d	SV4d		
BI			66	CH21	CH21		
PIV			67	ALh	ALh		

• PURY-(E)P [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH3	Thermistor 3 [°C]		
AI			02	TH4	Thermistor 4 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI		03	TH5	Thermistor 5 [°C]			
AI		04	TH6	Inlet pipe temperature of the heat exchanger [°C]			
AI		05	TH7	Thermistor 7 [°C]			
AI		06	FAN-Ver	Fan1 SW version			
PIV		07	Save	Capacity save signal [%]			
PIV		08	OpeS	Operation Status			
PIV		09	Attr	Attribute (OC/OS identification)			
AI		10	63HS1	63HS1 Pressure sensor [kg/cm2]			
AI		11	63LS	63LS Pressure sensor [kg/cm2]			
AI		12	THHS	Thermistor 9 [°C]			
IV		13	AK	Heat exchanger capacity			
AI		14	Tc	Condensing temperature [°C]			
AI		15	Te	Evaporating temperature [°C]			
AI		16	Vdc	COMP bus voltage [V]			
AI		17	Idc	Direct current [A]			
AI		18	Iu	U-Phase current effective value [A]			
AI		19	Iw	W-Phase current effective value [A]			
PIV		20	AL	AL			
PIV		21	FAN	Fan output [Hz]			
IV		22	QjC	Total capacity Cool			
IV		23	QjH	Total capacity Heat			
BI		24	Dmnd	Demand			
BI		25	SV1a	SV1(A)/SV1a			
BI		26	Dmnd2	Demand2			
BI		27	Snow	Snow			
BI		28	Ngt	Night			
BI		29	Ngt2	Night2			
BI		30	21S4a	21S4a			
BI		31	SV5b	SV5b			
BI		32	IH	IH			
PIV		33	FAN-Fr	Fan1 run status			
BI		34	AF	Active Filter			
BI		35	WM	WM			
BI		36	Rep	Repeater output			
BI		37	72C	72C			
BI		38	CompOn	Comp ON			
BI		39	M-NetSup	M-NET supply			
BI		40	SV9	SV9			
BI		41	SV4a	SV4a			
BI		42	SV4b	SV4b			
BI		43	SV4d	SV4d			
PIV		44	Fos	Temporary frequency [Hz]			
PIV		45	FAN(rpm)	FAN(rpm) [rpm]			
PIV		46	OpeM	Operation Mode			
PIV		47	CtrlM	Control Mode			
PIV		48	F1	Temporary frequency of No.1 COMP [Hz]			
PIV		49	LEV5a	LEV5a [pls]			

• PURY-(E)P [capacity]

PORT (2) Capacity						Short Name	Object Description
Object Identifier bits							
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV5a	LEV5a [pls]		
PIV			09	LEV5b	LEV5b [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
PIV			14	FAN(rpm)	FAN(rpm) [rpm]		
PIV			15	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			16	FAN2	FAN2		
AI			17	Vdc	COMP bus voltage [V]		
AI			18	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH3	Thermistor 3 [°C]		
AI			21	TH4	Thermistor 4 [°C]		
AI			22	TH5	Thermistor 5 [°C]		
AI			23	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			24	TH7	Thermistor 7 [°C]		
AI			25	TH15	Thermistor 15 [°C]		
AI			26	TH16	Thermistor 16 [°C]		
AI			27	TH17	TH17		
AI			28	TH18	Thermistor 18 [°C]		
AI			29	FAN-Ver	Fan1 SW version		
AI			30	FAN2-Ver	Fan2 SW version		
PIV			31	Save	Capacity save signal [%]		
PIV			32	OpeS	Operation Status		
PIV			33	Attr	Attribute (OC/OS identification)		
AI			34	Tc	Condensing temperature [°C]		
AI			35	Te	Evaporating temperature [°C]		
AI			36	THHS	Thermistor 9 [°C]		
IV			37	AK	Heat exchanger capacity		
BI			38	Dmnd	Demand		
BI			39	SV1a	SV1(A)/SV1a		
BI			40	Dmnd2	Demand2		
BI			41	Snow	Snow		
BI			42	Ngt	Night		
BI			43	Ngt2	Night2		
BI			44	21S4a	21S4a		
BI			45	21S4b	21S4b		
BI			46	SV5b	SV5b		
BI			47	IH	IH		
PIV			48	FAN-Fr	Fan1 run status		
PIV			49	FAN2-Fr	Fan2 run status		
BI			50	AF	Active Filter		
BI			51	WM	WM		
BI			52	Rep	Repeater output		
BI			53	72C	72C		
BI			54	CompOn	Comp ON		
BI			55	M-NetSup	M-NET supply		
BI			56	SV9	SV9		
BI			57	SV4a	SV4a		
BI			58	SV4b	SV4b		
BI			59	SV4c	SV4c		
BI			60	SV4d	SV4d		
BI			61	CH21	CH21		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	62						ALh

• PURY-P [capacity] ZKMU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				CtrlM	Control Mode	
PIV	02				OpeM	Operation Mode	
IV	03				F(Hz)	All temporary frequencies [Hz]	
PIV	04				F1	Temporary frequency of No.1 COMP [Hz]	
PIV	05				Foc	Temporary frequency [Hz]	
PIV	06				FAN	Fan output [Hz]	
IV	07				QjC	Total capacity Cool	
IV	08				QjH	Total capacity Heat	
PIV	09				LEV5a	LEV5a [pls]	
PIV	10				LEV5b	LEV5b [pls]	
AI	11				Idc	Direct current [A]	
AI	12				Iu	U-Phase current effective value [A]	
AI	13				Iw	W-Phase current effective value [A]	
PIV	14				AL	AL	
PIV	15				FAN(rpm)	FAN(rpm) [rpm]	
PIV	16				FAN2(rpm)	FAN2(rpm) [rpm]	
PIV	17				FAN2	FAN2	
IV	18				Vdc	Bus voltage [V]	
AI	19				63HS1	63HS1 Pressure sensor [kg/cm2]	
AI	20				63LS	63LS Pressure sensor [kg/cm2]	
AI	21				TH3	Thermistor 3 [°C]	
AI	22				TH4	Thermistor 4 [°C]	
AI	23				TH5	Thermistor 5 [°C]	
AI	24				TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI	25				TH7	Thermistor 7 [°C]	
AI	26				TH15	Thermistor 15 [°C]	
AI	27				TH16	Thermistor 16 [°C]	
AI	28				TH17	TH17	
AI	29				TH18	Thermistor 18 [°C]	
AI	30				FAN-Ver	Fan1 SW version	
AI	31				FAN2-Ver	Fan2 SW version	
PIV	32				Save	Capacity save signal [%]	
PIV	33				OpeS	Operation Status	
PIV	34				Attr	Attribute (OC/OS identification)	
PIV	35				M-NetSupUn	M-NET supply unit	
PIV	36				StrtUpUn	Start-up unit	
AI	37				Tc	Condensing temperature [°C]	
AI	38				Te	Evaporating temperature [°C]	
AI	39				THHS	Thermistor 9 [°C]	
AI	40				LX	LX	
IV	41				AK	Heat exchanger capacity	
AI	42				RotTm	Rotation timer	
BI	43				Dmnd	Demand	
BI	44				52C	52C	
BI	45				SV1a	SV1(A)/SV1a	
BI	46				Dmnd2	Demand2	
BI	47				Snow	Snow	
BI	48				Ngt	Night	
BI	49				Ngt2	Night2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			50	21S4a	21S4a		
BI			51	21S4b	21S4b		
BI			52	SV5b	SV5b		
BI			53	IH	IH		
PIV			54	FAN-Fr	Fan1 run status		
PIV			55	FAN2-Fr	Fan2 run status		
BI			56	WM	WM		
BI			57	Rep	Repeater output		
BI			58	CompOn	Comp ON		
BI			59	M-NetSup	M-NET supply		
BI			60	SV9	SV9		
BI			61	SV4a	SV4a		
BI			62	SV4b	SV4b		
BI			63	SV4c	SV4c		
BI			64	SV4d	SV4d		
BI			65	CH21	CH21		
PIV			66	ALh	ALh		

• PURY-HP [capacity] TKMU/YKMU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV4	Linear expansion valve [pls]		
PIV			10	LEV5a	LEV5a [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LX	LX		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
AI			17	Vdc	COMP bus voltage [V]		
AI			18	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH4	Thermistor 4 [°C]		
AI			21	TH5	Thermistor 5 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			23	TH7	Thermistor 7 [°C]		
AI			24	TH9	Thermistor 9 [°C]		
AI			25	TH11	Thermistor 11 [°C]		
AI			26	FAN-Ver	Fan1 SW version		
PIV			27	Save	Capacity save signal [%]		
PIV			28	OpeS	Operation Status		
PIV			29	Attr	Attribute (OC/OS identification)		
PIV			30	M-NetSupUn	M-NET supply unit		
PIV			31	StrtUpUn	Start-up unit		
AI			32	Tc	Condensing temperature [°C]		
AI			33	Te	Evaporating temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			34	THHS	Thermistor 9 [°C]		
BI			35	Dmnd	Demand		
BI			36	SV1a	SV1(A)/SV1a		
BI			37	Dmnd2	Demand2		
BI			38	Ngt	Night		
BI			39	Ngt2	Night2		
BI			40	Snow	Snow		
BI			41	21S4a	21S4a		
BI			42	SV5b	SV5b		
BI			43	SV9	SV9		
BI			44	SV4a	SV4a		
BI			45	SV4b	SV4b		
BI			46	SV4d	SV4d		
BI			47	SV10	SV10		
BI			48	SV11	SV11		
IV			49	AK	Heat exchanger capacity		
AI			50	RotTm	Rotation timer		
BI			51	IH	IH		
BI			52	H-Def1	H-Def1		
BI			53	H-Def2	H-Def2		
PIV			54	FAN-Fr	Fan1 run status		
BI			55	AF	Active Filter		
BI			56	WM	WM		
BI			57	Rep	Repeater output		
BI			58	72C	72C		
BI			59	CompOn	Comp ON		
BI			60	M-NetSup	M-NET supply		

• PURY-HP [capacity] TKMU/YKMU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV4	Linear expansion valve [pls]		
PIV			09	LEV5a	LEV5a [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
PIV			14	FAN(rpm)	FAN(rpm) [rpm]		
AI			15	Vdc	COMP bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63LS	63LS Pressure sensor [kg/cm2]		
AI			18	TH4	Thermistor 4 [°C]		
AI			19	TH5	Thermistor 5 [°C]		
AI			20	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			21	TH7	Thermistor 7 [°C]		
AI			22	TH9	Thermistor 9 [°C]		
AI			23	TH11	Thermistor 11 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			Index			
	VA						
AI				24	FAN-Ver	Fan1 SW version	
PIV				25	Save	Capacity save signal [%]	
PIV				26	OpeS	Operation Status	
PIV				27	Attr	Attribute (OC/OS identification)	
AI				28	Tc	Condensing temperature [°C]	
AI				29	Te	Evaporating temperature [°C]	
AI				30	THHS	Thermistor 9 [°C]	
IV				31	AK	Heat exchanger capacity	
BI				32	Dmnd	Demand	
BI				33	SV1a	SV1(A)/SV1a	
BI				34	Dmnd2	Demand2	
BI				35	Ngt	Night	
BI				36	Ngt2	Night2	
BI				37	Snow	Snow	
BI				38	21S4a	21S4a	
BI				39	SV5b	SV5b	
BI				40	SV9	SV9	
BI				41	SV4a	SV4a	
BI				42	SV4b	SV4b	
BI				43	SV4d	SV4d	
BI				44	SV10	SV10	
BI				45	SV11	SV11	
BI				46	IH	IH	
BI				47	H-Def1	H-Def1	
BI				48	H-Def2	H-Def2	
PIV				49	FAN-Fr	Fan1 run status	
BI				50	AF	Active Filter	
BI				51	WM	WM	
BI				52	Rep	Repeater output	
BI				53	72C	72C	
BI				54	CompOn	Comp ON	
BI				55	M-NetSup	M-NET supply	

• PURY-M [capacity] YNW-A/A1

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QcC	Total capacity Cool		
IV			08	QcH	Total capacity Heat		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV2b	LEV2b [pls]		
PIV			11	LEV2d	LEV2d		
PIV			12	LEV4	Linear expansion valve [pls]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LX	LX		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		
IV			18	Vdc	Bus voltage [V]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV			19		LEV9	LEV9 [pls]	
AI			20		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			21		63LS	63LS Pressure sensor [kg/cm2]	
AI			22		TH3	Thermistor 3 [°C]	
AI			23		TH4	Thermistor 4 [°C]	
AI			24		TH5	Thermistor 5 [°C]	
AI			25		TH7	Thermistor 7 [°C]	
AI			26		TH15	Thermistor 15 [°C]	
AI			27		FAN-Ver	Fan1 SW version	
PIV			28		Save	Capacity save signal [%]	
PIV			29		OpeS	Operation Status	
PIV			30		Attr	Attribute (OC/OS identification)	
PIV			31		M-NetSupUn	M-NET supply unit	
PIV			32		StrtUpUn	Start-up unit	
AI			33		Tc	Condensing temperature [°C]	
AI			34		Te	Evaporating temperature [°C]	
AI			35		THHS	Thermistor 9 [°C]	
BI			36		Dmnd	Demand	
BI			37		SV1a	SV1(A)/SV1a	
BI			38		Dmnd2	Demand2	
BI			39		Snow	Snow	
BI			40		Ngt	Night	
BI			41		Ngt2	Night2	
BI			42		21S4a	21S4a	
BI			43		21S4b	21S4b	
BI			44		SV2	SV2	
IV			45		AK	Heat exchanger capacity	
AI			46		THHS(FAN1)	THHS(FAN1) [°C]	
AI			47		RotTm	Rotation timer	
BI			48		IH	IH	
PIV			49		FAN-Fr	Fan1 run status	
BI			50		WM	WM	
BI			51		Rep	Repeater output	
BI			52		72C	72C	
BI			53		CompOn	Comp ON	
BI			54		M-NetSup	M-NET supply	
PIV			55		Err	Error code	
PIV			56		ErrDet	Error detail code	
PIV			57		ErrSrc	Error source address	
PIV			58		MntErr	Maintenance error code	
PIV			59		MntErrDet	Maintenance error detail code	
PIV			60		MntErrSrc	Maintenance error source address	
PIV			61		PrelErr	Preliminary error code	
PIV			62		PrelErrDet	Preliminary error detail code	
PIV			63		PrelErrSrc	Preliminary error source address	
PIV			64		DtaColl	Data collection	

• PURY-P [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
AI	01					TH1	Thermistor 1 [°C]
AI	02					TH2	Thermistor 2 [°C]
AI	03					TH5	Thermistor 5 [°C]
AI	04					TH6	Thermistor 6 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			05	TH7	Thermistor 7 [°C]		
AI			06	63HS	High pressure sensor [kg/cm2]		
AI			07	63LS	63LS Pressure sensor [kg/cm2]		
AI			08	THHS	Thermistor 9 [°C]		
AI			09	Tc	Condensing temperature [°C]		
AI			10	Te	Evaporating temperature [°C]		
AI			11	Vdc	COMP bus voltage [V]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	F(Hz)	All temporary frequencies [Hz]		
PIV			15	FAN	Fan output [Hz]		
PIV			16	QjC	Total capacity Cool		
PIV			17	QjH	Total capacity Heat		

• PURY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH5	Thermistor 5 [°C]		
AI			02	TH6	Thermistor 6 [°C]		
AI			03	TH7	Thermistor 7 [°C]		
AI			04	TH11	Thermistor 11 [°C]		
AI			05	63HS	High pressure sensor [kg/cm2]		
AI			06	63LS	63LS Pressure sensor [kg/cm2]		
AI			07	Tc	Condensing temperature [°C]		
AI			08	Te	Evaporating temperature [°C]		
AI			09	Vdc	COMP bus voltage [V]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
IV			12	F(Hz)	All temporary frequencies [Hz]		
PIV			13	FAN	Fan output [Hz]		
PIV			14	QjC	Total capacity Cool		
PIV			15	QjH	Total capacity Heat		
AI			16	SCo	Heat exchanger outlet subcooling [°C]		
AI			17	SCc	Coil outlet subcooling [°C]		
AI			18	SHb	Coil bypass outlet superheat [°C]		

• PURY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH5	Thermistor 5 [°C]		
AI			02	TH6	Thermistor 6 [°C]		
AI			03	TH7	Thermistor 7 [°C]		
AI			04	TH11	Thermistor 11 [°C]		
AI			05	TH12	Thermistor 12 [°C]		
AI			06	63HS	High pressure sensor [kg/cm2]		
AI			07	63LS	63LS Pressure sensor [kg/cm2]		
AI			08	Tc	Condensing temperature [°C]		
AI			09	Te	Evaporating temperature [°C]		
AI			10	Vdc	COMP bus voltage [V]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
IV				13		F(Hz)	All temporary frequencies [Hz]
PIV				14		FAN	Fan output [Hz]
PIV				15		QjC	Total capacity Cool
PIV				16		QiH	Total capacity Heat
AI				17		SCo	Heat exchanger outlet subcooling [°C]
AI				18		SCc	Coil outlet subcooling [°C]
AI				19		SHb	Coil bypass outlet superheat [°C]

• PURY-P [capacity] TLMU/YLMU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV5a	LEV5a [pls]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
PIV			13	FAN(rpm)	FAN(rpm) [rpm]		
IV			14	Vdc	Bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH3	Thermistor 3 [°C]		
AI			18	TH4	Thermistor 4 [°C]		
AI			19	TH5	Thermistor 5 [°C]		
AI			20	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			21	TH7	Thermistor 7 [°C]		
AI			22	TH15	Thermistor 15 [°C]		
AI			23	TH16	Thermistor 16 [°C]		
AI			24	TH17	TH17		
AI			25	TH18	Thermistor 18 [°C]		
AI			26	FAN-Ver	Fan1 SW version		
PIV			27	Save	Capacity save signal [%]		
PIV			28	OpeS	Operation Status		
PIV			29	Attr	Attribute (OC/OS identification)		
PIV			30	M-NetSupUn	M-NET supply unit		
PIV			31	StrtUpUn	Start-up unit		
AI			32	Tc	Condensing temperature [°C]		
AI			33	Te	Evaporating temperature [°C]		
AI			34	THHS	Thermistor 9 [°C]		
AI			35	LX	LX		
IV			36	AK	Heat exchanger capacity		
AI			37	RotTm	Rotation timer		
BI			38	SV1a	SV1(A)/SV1a		
BI			39	Dmnd	Demand		
BI			40	Dmnd2	Demand2		
BI			41	Ng1	Night		
BI			42	Ng2	Night2		
BI			43	Snow	Snow		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	44					21S4a	21S4a
BI	45					SV5b	SV5b
PIV	46					FAN-Fr	Fan1 run status
BI	47					WM	WM
BI	48					Rep	Repeater output
BI	49					72C	72C
BI	50					CompOn	Comp ON
BI	51					M-NetSup	M-NET supply
BI	52					IH	IH
BI	53					SV9	SV9
BI	54					SV4a	SV4a
BI	55					SV4b	SV4b
BI	56					SV4d	SV4d
BI	57					CH21	CH21
PIV	58					ALh	ALh
BI	59					SV7	SV7

• PURY-P [capacity] (T/Y)LMU

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV5a	LEV5a [pls]		
PIV			10	LEV5b	LEV5b [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			17	FAN2	FAN2		
IV			18	Vdc	Bus voltage [V]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH5	Thermistor 5 [°C]		
AI			24	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			25	TH7	Thermistor 7 [°C]		
AI			26	TH15	Thermistor 15 [°C]		
AI			27	TH16	Thermistor 16 [°C]		
AI			28	TH17	TH17		
AI			29	TH18	Thermistor 18 [°C]		
AI			30	FAN-Ver	Fan1 SW version		
AI			31	FAN2-Ver	Fan2 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV				35	M-NetSupUn	M-NET supply unit	
PIV				36	StrtUpUn	Start-up unit	
AI				37	Tc	Condensing temperature [°C]	
AI				38	Te	Evaporating temperature [°C]	
AI				39	THHS	Thermistor 9 [°C]	
AI				40	LX	LX	
IV				41	AK	Heat exchanger capacity	
AI				42	RotTm	Rotation timer	
BI				43	Dmnd	Demand	
BI				44	SV1a	SV1(A)/SV1a	
BI				45	Dmnd2	Demand2	
BI				46	Snow	Snow	
BI				47	Ng1	Night	
BI				48	Ng12	Night2	
BI				49	21S4a	21S4a	
BI				50	21S4b	21S4b	
BI				51	SV5b	SV5b	
BI				52	IH	IH	
PIV				53	FAN-Fr	Fan1 run status	
PIV				54	FAN2-Fr	Fan2 run status	
BI				55	WM	WM	
BI				56	Rep	Repeater output	
BI				57	72C	72C	
BI				58	CompOn	Comp ON	
BI				59	M-NetSup	M-NET supply	
BI				60	SV9	SV9	
BI				61	SV4a	SV4a	
BI				62	SV4b	SV4b	
BI				63	SV4c	SV4c	
BI				64	SV4d	SV4d	
BI				65	CH21	CH21	
PIV				66	ALh	ALh	
BI				67	SV7	SV7	

• PURY-P [capacity] TLMU/YLMU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	Qc	Total capacity Cool		
IV			07	Qh	Total capacity Heat		
PIV			08	LEV5a	LEV5a [pls]		
AI			09	Iu	U-Phase current effective value [A]		
AI			10	Iw	W-Phase current effective value [A]		
PIV			11	AL	AL		
PIV			12	FAN(rpm)	FAN(rpm) [rpm]		
IV			13	Vdc	Bus voltage [V]		
AI			14	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			15	63LS	63LS Pressure sensor [kg/cm2]		
AI			16	TH3	Thermistor 3 [°C]		
AI			17	TH4	Thermistor 4 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			18		TH5	Thermistor 5 [°C]	
AI			19		TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI			20		TH7	Thermistor 7 [°C]	
AI			21		TH15	Thermistor 15 [°C]	
AI			22		TH16	Thermistor 16 [°C]	
AI			23		TH17	TH17	
AI			24		TH18	Thermistor 18 [°C]	
AI			25		FAN-Ver	Fan1 SW version	
PIV			26		Save	Capacity save signal [%]	
PIV			27		OpeS	Operation Status	
PIV			28		Attr	Attribute (OC/OS identification)	
AI			29		Tc	Condensing temperature [°C]	
AI			30		Te	Evaporating temperature [°C]	
AI			31		THHS	Thermistor 9 [°C]	
IV			32		AK	Heat exchanger capacity	
BI			33		SV1a	SV1(A)/SV1a	
BI			34		Dmnd	Demand	
BI			35		Dmnd2	Demand2	
BI			36		Ngt	Night	
BI			37		Ngt2	Night2	
BI			38		Snow	Snow	
BI			39		21S4a	21S4a	
BI			40		SV5b	SV5b	
PIV			41		FAN-Fr	Fan1 run status	
BI			42		WM	WM	
BI			43		Rep	Repeater output	
BI			44		72C	72C	
BI			45		CompOn	Comp ON	
BI			46		M-NetSup	M-NET supply	
BI			47		IH	IH	
BI			48		SV9	SV9	
BI			49		SV4a	SV4a	
BI			50		SV4b	SV4b	
BI			51		SV4d	SV4d	
BI			52		CH21	CH21	
PIV			53		ALh	ALh	
BI			54		SV7	SV7	

• PURY-P [capacity] TLMU/YLMU

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00			Type	Outdoor Unit Type Name
PIV			01			CtrlM	Control Mode
PIV			02			OpeM	Operation Mode
PIV			03			F1	Temporary frequency of No.1 COMP [Hz]
PIV			04			Fos	Temporary frequency [Hz]
PIV			05			FAN	Fan output [Hz]
IV			06			QjC	Total capacity Cool
IV			07			QjH	Total capacity Heat
PIV			08			LEV5a	LEV5a [pls]
PIV			09			LEV5b	LEV5b [pls]
AI			10			Idc	Direct current [A]
AI			11			Iu	U-Phase current effective value [A]
AI			12			Iw	W-Phase current effective value [A]
PIV			13			AL	AL



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			14	FAN(rpm)	FAN(rpm) [rpm]		
PIV			15	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			16	FAN2	FAN2		
IV			17	Vdc	Bus voltage [V]		
AI			18	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH3	Thermistor 3 [°C]		
AI			21	TH4	Thermistor 4 [°C]		
AI			22	TH5	Thermistor 5 [°C]		
AI			23	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			24	TH7	Thermistor 7 [°C]		
AI			25	TH15	Thermistor 15 [°C]		
AI			26	TH16	Thermistor 16 [°C]		
AI			27	TH17	TH17		
AI			28	TH18	Thermistor 18 [°C]		
AI			29	FAN-Ver	Fan1 SW version		
AI			30	FAN2-Ver	Fan2 SW version		
PIV			31	Save	Capacity save signal [%]		
PIV			32	OpeS	Operation Status		
PIV			33	Attr	Attribute (OC/OS identification)		
AI			34	Tc	Condensing temperature [°C]		
AI			35	Te	Evaporating temperature [°C]		
AI			36	THHS	Thermistor 9 [°C]		
IV			37	AK	Heat exchanger capacity		
BI			38	Dmnd	Demand		
BI			39	SV1a	SV1(A)/SV1a		
BI			40	Dmnd2	Demand2		
BI			41	Snow	Snow		
BI			42	Ngt	Night		
BI			43	Ngt2	Night2		
BI			44	21S4a	21S4a		
BI			45	21S4b	21S4b		
BI			46	SV5b	SV5b		
BI			47	IH	IH		
PIV			48	FAN-Fr	Fan1 run status		
PIV			49	FAN2-Fr	Fan2 run status		
BI			50	WM	WM		
BI			51	Rep	Repeater output		
BI			52	72C	72C		
BI			53	CompOn	Comp ON		
BI			54	M-NetSup	M-NET supply		
BI			55	SV9	SV9		
BI			56	SV4a	SV4a		
BI			57	SV4b	SV4b		
BI			58	SV4c	SV4c		
BI			59	SV4d	SV4d		
BI			60	CH21	CH21		
PIV			61	ALh	ALh		
BI			62	SV7	SV7		

• PURY-(E)P [capacity]

PORT (2) Capacity						Short Name	Object Description
Object Identifier bits							
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	CtrlM		Control Mode	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
AI			09	Idc	Direct current [A]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
AI			13	Vdc	COMP bus voltage [V]		
AI			14	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			15	63LS	63LS Pressure sensor [kg/cm2]		
AI			16	TH3	Thermistor 3 [°C]		
AI			17	TH4	Thermistor 4 [°C]		
AI			18	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			19	TH7	Thermistor 7 [°C]		
AI			20	FAN-Ver	Fan1 SW version		
PIV			21	Save	Capacity save signal [%]		
PIV			22	OpeS	Operation Status		
PIV			23	Attr	Attribute (OC/OS identification)		
PIV			24	M-NetSupUn	M-NET supply unit		
PIV			25	StrtUpUn	Start-up unit		
AI			26	Tc	Condensing temperature [°C]		
AI			27	Te	Evaporating temperature [°C]		
AI			28	THHS	Thermistor 9 [°C]		
AI			29	THBOX	Thermistor in box [°C]		
AI			30	LX	LX		
IV			31	AK	Heat exchanger capacity		
BI			32	SV1a	SV1(A)/SV1a		
BI			33	Dmnd	Demand		
BI			34	Dmnd2	Demand2		
BI			35	Ngt	Night		
BI			36	Ngt2	Night2		
BI			37	Snow	Snow		
BI			38	21S4a	21S4a		
BI			39	SV5b	SV5b		
BI			40	SV5c	SV5c		
BI			41	Pwr	Power source frequency		
BI			42	WM	WM		
BI			43	Rep	Repeater output		
BI			44	M-NetSup	M-NET supply		
BI			45	SV9	SV9		
BI			46	SV4a	SV4a		
BI			47	SV4b	SV4b		
BI			48	SV4d	SV4d		
BI			49	SV2	SV2		
BI			50	INV-FAN1	INV-FAN1		

• PURY-(E)P [capacity]

PORT (2) Capacity						Short Name	Object Description
Object Identifier bits							
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
AI					01	63HS1	63HS1 Pressure sensor [kg/cm2]



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
AI			02	TH4	Thermistor 4 [°C]		
AI			03	TH7	Thermistor 7 [°C]		
AI			04	63LS	63LS Pressure sensor [kg/cm2]		
AI			05	TH5	Thermistor 5 [°C]		
PIV			06	OpeM	Operation Mode		
AI			07	TH3	Thermistor 3 [°C]		
AI			08	TH6	Thermistor 6 [°C]		
AI			09	THHS	Thermistor 9 [°C]		
AI			10	Tc	Condensing temperature [°C]		
AI			11	Te	Evaporating temperature [°C]		
AI			12	Vdc	COMP bus voltage [V]		
AI			13	TH15	Thermistor 15 [°C]		
AI			14	TH16	Thermistor 16 [°C]		
AI			15	TH17	TH17		
AI			16	TH18	Thermistor 18 [°C]		
BI			17	Dmnd	Demand		
BI			18	Snow	Snow		
BI			19	Ngd	Night		
BI			20	Ngd2	Night2		
BI			21	Dmnd2	Demand2		
BI			22	21S4a	21S4a		
BI			23	SV1a	SV1(A)/SV1a		
BI			24	SV5b	SV5b		
BI			25	SV5c	SV5c		
AI			26	Iu	U-Phase current effective value [A]		
AI			27	Iw	W-Phase current effective value [A]		
PIV			28	FAN	Fan output [Hz]		
PIV			29	CtrlM	Control Mode		
IV			30	QcC	Total capacity Cool		
IV			31	QcH	Total capacity Heat		
IV			32	F(Hz)	All temporary frequencies [Hz]		
PIV			33	Foc	Temporary frequency [Hz]		
BI			34	CH21	CH21		
PIV			35	ALh	ALh		
BI			36	SV2	SV2		
BI			37	SV9	SV9		
BI			38	SV4a	SV4a		
BI			39	SV4b	SV4b		
BI			40	SV4d	SV4d		

• PURY-(E) [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH3	Thermistor 3 [°C]		
AI			02	TH4	Thermistor 4 [°C]		
AI			03	TH5	Thermistor 5 [°C]		
AI			04	TH6	Thermistor 6 [°C]		
AI			05	TH7	Thermistor 7 [°C]		
AI			06	TH15	Thermistor 15 [°C]		
AI			07	TH16	Thermistor 16 [°C]		
AI			08	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			09	63LS	63LS Pressure sensor [kg/cm2]		
AI			10	THHS	Thermistor 9 [°C]		
AI			11	Tc	Condensing temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI	12				Te	Evaporating temperature [°C]	
AI	13				Vdc	COMP bus voltage [V]	
AI	14				Iu	U-Phase current effective value [A]	
AI	15				Iw	W-Phase current effective value [A]	
AI	16				TH17	TH17	
PIV	17				FAN	Fan output [Hz]	
PIV	18				Fos	Temporary frequency [Hz]	
IV	19				QjC	Total capacity Cool	
IV	20				QjH	Total capacity Heat	
AI	21				TH18	Thermistor 18 [°C]	
PIV	22				OpeM	Operation Mode	
BI	23				Dmnd	Demand	
BI	24				Snow	Snow	
BI	25				Ngt	Night	
BI	26				Ngt2	Night2	
BI	27				Dmnd2	Demand2	
BI	28				21S4a	21S4a	
BI	29				SV1a	SV1(A)/SV1a	
BI	30				SV5b	SV5b	
BI	31				SV5c	SV5c	
BI	32				CH21	CH21	
PIV	33				ALh	ALh	
BI	34				SV2	SV2	
BI	35				SV9	SV9	
BI	36				SV4a	SV4a	
BI	37				SV4b	SV4b	
BI	38				SV4d	SV4d	

• PURY-HP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Outdoor Unit Type Name	
PIV					01	CtrlM Control Mode	
PIV					02	OpeM Operation Mode	
IV					03	F(Hz) All temporary frequencies [Hz]	
PIV					04	F1 Temporary frequency of No.1 COMP [Hz]	
PIV					05	Foc Temporary frequency [Hz]	
PIV					06	FAN Fan output [Hz]	
IV					07	QjC Total capacity Cool	
IV					08	QjH Total capacity Heat	
PIV					09	LEV2 LEV2 Linear expansion valve [pls]	
PIV					10	LEV4 Linear expansion valve [pls]	
AI					11	Iu U-Phase current effective value [A]	
AI					12	Iw W-Phase current effective value [A]	
PIV					13	AL AL	
PIV					14	FAN(rpm) FAN(rpm) [rpm]	
PIV					15	FAN2(rpm) FAN2(rpm) [rpm]	
PIV					16	FAN2 FAN2	
IV					17	Vdc Bus voltage [V]	
PIV					18	LEV2b LEV2b [pls]	
PIV					19	LEV2d LEV2d	
PIV					20	LEV9 LEV9 [pls]	
AI					21	63HS1 63HS1 Pressure sensor [kg/cm2]	
AI					22	63LS 63LS Pressure sensor [kg/cm2]	
AI					23	TH3 Thermistor 3 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			VA			Index
AI				24	TH4	Thermistor 4 [°C]	
AI				25	TH5	Thermistor 5 [°C]	
AI				26	TH7	Thermistor 7 [°C]	
AI				27	TH15	Thermistor 15 [°C]	
AI				28	FAN-Ver	Fan1 SW version	
AI				29	FAN2-Ver	Fan2 SW version	
PIV				30	Save	Capacity save signal [%]	
PIV				31	OpeS	Operation Status	
PIV				32	Attr	Attribute (OC/OS identification)	
PIV				33	M-NetSupUn	M-NET supply unit	
PIV				34	StrtUpUn	Start-up unit	
AI				35	Tc	Condensing temperature [°C]	
AI				36	Te	Evaporating temperature [°C]	
AI				37	THHS	Thermistor 9 [°C]	
AI				38	LX	LX	
IV				39	AK	Heat exchanger capacity	
AI				40	THHS(FAN1)	THHS(FAN1) [°C]	
AI				41	THHS(FAN2)	THHS(FAN2) [°C]	
AI				42	RotTm	Rotation timer	
PIV				43	Err	Error code	
PIV				44	ErrDet	Error detail code	
PIV				45	ErrSrc	Error source address	
PIV				46	MntErr	Maintenance error code	
PIV				47	MntErrDet	Maintenance error detail code	
PIV				48	MntErrSrc	Maintenance error source address	
PIV				49	PrelErr	Preliminary error code	
PIV				50	PrelErrDet	Preliminary error detail code	
PIV				51	PrelErrSrc	Preliminary error source address	
BI				52	Dmnd	Demand	
BI				53	SV1a	SV1(A)/SV1a	
BI				54	Dmnd2	Demand2	
BI				55	Snow	Snow	
BI				56	Ngt	Night	
BI				57	Ngt2	Night2	
BI				58	21S4a	21S4a	
BI				59	21S4b	21S4b	
BI				60	IH	IH	
PIV				61	FAN-Fr	Fan1 run status	
PIV				62	FAN2-Fr	Fan2 run status	
BI				63	RefChrgAdj	Ref Charge Adj	
BI				64	WM	WM	
BI				65	Rep	Repeater output	
BI				66	72C	72C	
BI				67	CompOn	Comp ON	
BI				68	M-NetSup	M-NET supply	
PIV				69	ALh	ALh	
BI				70	SV2	SV2	

• PURY-HP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				CtrlM	Control Mode	
PIV	02				OpeM	Operation Mode	
PIV	03				F1	Temporary frequency of No.1 COMP [Hz]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV2	LEV2 Linear expansion valve [pls]		
PIV			09	LEV4	Linear expansion valve [pls]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
PIV			13	FAN(rpm)	FAN(rpm) [rpm]		
PIV			14	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			15	FAN2	FAN2		
IV			16	Vdc	Bus voltage [V]		
PIV			17	LEV2b	LEV2b [pls]		
PIV			18	LEV2d	LEV2d		
PIV			19	LEV9	LEV9 [pls]		
AI			20	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			21	63LS	63LS Pressure sensor [kg/cm2]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		
AI			25	TH7	Thermistor 7 [°C]		
AI			26	TH15	Thermistor 15 [°C]		
AI			27	FAN-Ver	Fan1 SW version		
AI			28	FAN2-Ver	Fan2 SW version		
PIV			29	Save	Capacity save signal [%]		
PIV			30	OpeS	Operation Status		
PIV			31	Attr	Attribute (OC/OS identification)		
AI			32	Tc	Condensing temperature [°C]		
AI			33	Te	Evaporating temperature [°C]		
AI			34	THHS	Thermistor 9 [°C]		
IV			35	AK	Heat exchanger capacity		
AI			36	THHS(FAN1)	THHS(FAN1) [°C]		
AI			37	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			38	Err	Error code		
PIV			39	ErrDet	Error detail code		
PIV			40	ErrSrc	Error source address		
PIV			41	MntErr	Maintenance error code		
PIV			42	MntErrDet	Maintenance error detail code		
PIV			43	MntErrSrc	Maintenance error source address		
PIV			44	PrelErr	Preliminary error code		
PIV			45	PrelErrDet	Preliminary error detail code		
PIV			46	PrelErrSrc	Preliminary error source address		
BI			47	Dmnd	Demand		
BI			48	SV1a	SV1(A)/SV1a		
BI			49	Dmnd2	Demand2		
BI			50	Snow	Snow		
BI			51	Ngt	Night		
BI			52	Ngt2	Night2		
BI			53	21S4a	21S4a		
BI			54	21S4b	21S4b		
BI			55	IH	IH		
PIV			56	FAN-Fr	Fan1 run status		
PIV			57	FAN2-Fr	Fan2 run status		
BI			58	WM	WM		
BI			59	Rep	Repeater output		
BI			60	72C	72C		
BI			61	CompOn	Comp ON		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	62					M-NetSup	M-NET supply
PIV	63					ALh	ALh
BI	64					SV2	SV2

• PURY-(W) [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
AI	01					TH3	Thermistor 3 [°C]
AI	02					TH4	Thermistor 4 [°C]
AI	03					TH5	Thermistor 5 [°C]
AI	04					TH6	Thermistor 6 [°C]
AI	05					TH7	Thermistor 7 [°C]
AI	06					63HS1	63HS1 Pressure sensor [kg/cm2]
AI	07					63LS	63LS Pressure sensor [kg/cm2]
AI	08					THHS	Thermistor 9 [°C]
AI	09					Tc	Condensing temperature [°C]
AI	10					Te	Evaporating temperature [°C]
AI	11					Vdc	COMP bus voltage [V]
AI	12					Iu	U-Phase current effective value [A]
AI	13					Iw	W-Phase current effective value [A]
IV	14					F(Hz)	All temporary frequencies [Hz]
PIV	15					FAN	Fan output [Hz]
PIV	16					Foc	Temporary frequency [Hz]
IV	17					QjC	Total capacity Cool
IV	18					QjH	Total capacity Heat

• PURY-(E) [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
AI	01					TH3	Thermistor 3 [°C]
AI	02					TH4	Thermistor 4 [°C]
AI	03					TH5	Thermistor 5 [°C]
AI	04					TH6	Thermistor 6 [°C]
AI	05					TH7	Thermistor 7 [°C]
AI	06					63HS1	63HS1 Pressure sensor [kg/cm2]
AI	07					63LS	63LS Pressure sensor [kg/cm2]
AI	08					THHS	Thermistor 9 [°C]
AI	09					Tc	Condensing temperature [°C]
AI	10					Te	Evaporating temperature [°C]
AI	11					Vdc	COMP bus voltage [V]
AI	12					Iu	U-Phase current effective value [A]
AI	13					Iw	W-Phase current effective value [A]
PIV	14					FAN	Fan output [Hz]
IV	15					QjC	Total capacity Cool
IV	16					QjH	Total capacity Heat

• PURY-EP [capacity] YLM-A



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV5a	LEV5a [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	LX	LX		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
IV			16	Vdc	Bus voltage [V]		
AI			17	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18	63LS	63LS Pressure sensor [kg/cm2]		
AI			19	TH3	Thermistor 3 [°C]		
AI			20	TH4	Thermistor 4 [°C]		
AI			21	TH5	Thermistor 5 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			23	TH7	Thermistor 7 [°C]		
AI			24	TH9	Thermistor 9 [°C]		
AI			25	TH11	Thermistor 11 [°C]		
AI			26	FAN-Ver	Fan1 SW version		
PIV			27	Save	Capacity save signal [%]		
PIV			28	OpeS	Operation Status		
PIV			29	Attr	Attribute (OC/OS identification)		
PIV			30	M-NetSupUn	M-NET supply unit		
PIV			31	StrtUpUn	Start-up unit		
AI			32	Tc	Condensing temperature [°C]		
AI			33	Te	Evaporating temperature [°C]		
AI			34	THHS	Thermistor 9 [°C]		
BI			35	SV1a	SV1(A)/SV1a		
BI			36	Dmnd	Demand		
BI			37	Dmnd2	Demand2		
BI			38	Ngd	Night		
BI			39	Ngd2	Night2		
BI			40	Snow	Snow		
BI			41	21S4a	21S4a		
BI			42	SV5b	SV5b		
BI			43	SV9	SV9		
BI			44	SV4a	SV4a		
BI			45	SV4b	SV4b		
BI			46	SV4d	SV4d		
BI			47	SV10	SV10		
BI			48	SV11	SV11		
IV			49	AK	Heat exchanger capacity		
AI			50	RotTm	Rotation timer		
BI			51	IH	IH		
PIV			52	FAN-Fr	Fan1 run status		
BI			53	WM	WM		
BI			54	Rep	Repeater output		
BI			55	72C	72C		
BI			56	CompOn	Comp ON		
BI			57	M-NetSup	M-NET supply		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	58					SV7	SV7

• PURY-EP [capacity] YLM-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode
PIV	02					OpeM	Operation Mode
IV	03					F(Hz)	All temporary frequencies [Hz]
PIV	04					F1	Temporary frequency of No.1 COMP [Hz]
PIV	05					Foc	Temporary frequency [Hz]
PIV	06					FAN	Fan output [Hz]
IV	07					QjC	Total capacity Cool
IV	08					QjH	Total capacity Heat
PIV	09					LEV5a	LEV5a [pls]
PIV	10					LEV5b	LEV5b [pls]
AI	11					Idc	Direct current [A]
AI	12					Iu	U-Phase current effective value [A]
AI	13					Iw	W-Phase current effective value [A]
PIV	14					AL	AL
AI	15					LX	LX
PIV	16					FAN(rpm)	FAN(rpm) [rpm]
PIV	17					FAN2(rpm)	FAN2(rpm) [rpm]
PIV	18					FAN2	FAN2
IV	19					Vdc	Bus voltage [V]
AI	20					63HS1	63HS1 Pressure sensor [kg/cm2]
AI	21					63LS	63LS Pressure sensor [kg/cm2]
AI	22					TH3	Thermistor 3 [°C]
AI	23					TH4	Thermistor 4 [°C]
AI	24					TH5	Thermistor 5 [°C]
AI	25					TH6	Inlet pipe temperature of the heat exchanger [°C]
AI	26					TH7	Thermistor 7 [°C]
AI	27					TH9	Thermistor 9 [°C]
AI	28					TH11	Thermistor 11 [°C]
AI	29					TH12	Thermistor 12 [°C]
AI	30					FAN-Ver	Fan1 SW version
AI	31					FAN2-Ver	Fan2 SW version
PIV	32					Save	Capacity save signal [%]
PIV	33					OpeS	Operation Status
PIV	34					Attr	Attribute (OC/OS identification)
PIV	35					M-NetSupUn	M-NET supply unit
PIV	36					StrtUpUn	Start-up unit
AI	37					Tc	Condensing temperature [°C]
AI	38					Te	Evaporating temperature [°C]
AI	39					THHS	Thermistor 9 [°C]
BI	40					SV1a	SV1(A)/SV1a
BI	41					Dmnd	Demand
BI	42					Dmnd2	Demand2
BI	43					Ng1	Night
BI	44					Ng2	Night2
BI	45					Snow	Snow
BI	46					21S4a	21S4a
BI	47					21S4b	21S4b
BI	48					SV5b	SV5b
BI	49					SV9	SV9



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	50				SV4a	SV4a	
BI	51				SV4b	SV4b	
BI	52				SV4c	SV4c	
BI	53				SV4d	SV4d	
BI	54				SV10	SV10	
BI	55				SV11	SV11	
IV	56				AK	Heat exchanger capacity	
AI	57				RotTm	Rotation timer	
BI	58				IH	IH	
PIV	59				FAN-Fr	Fan1 run status	
PIV	60				FAN2-Fr	Fan2 run status	
BI	61				WM	WM	
BI	62				Rep	Repeater output	
BI	63				72C	72C	
BI	64				CompOn	Comp ON	
BI	65				M-NetSup	M-NET supply	
BI	66				SV7	SV7	

• PURY-EP [capacity] YLM-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode
PIV	02					OpeM	Operation Mode
PIV	03					F1	Temporary frequency of No.1 COMP [Hz]
PIV	04					Fos	Temporary frequency [Hz]
PIV	05					FAN	Fan output [Hz]
IV	06					QjC	Total capacity Cool
IV	07					QjH	Total capacity Heat
PIV	08					LEV5a	LEV5a [pls]
AI	09					Idc	Direct current [A]
AI	10					Iu	U-Phase current effective value [A]
AI	11					Iw	W-Phase current effective value [A]
PIV	12					AL	AL
PIV	13					FAN(rpm)	FAN(rpm) [rpm]
IV	14					Vdc	Bus voltage [V]
AI	15					63HS1	63HS1 Pressure sensor [kg/cm2]
AI	16					63LS	63LS Pressure sensor [kg/cm2]
AI	17					TH3	Thermistor 3 [°C]
AI	18					TH4	Thermistor 4 [°C]
AI	19					TH5	Thermistor 5 [°C]
AI	20					TH6	Inlet pipe temperature of the heat exchanger [°C]
AI	21					TH7	Thermistor 7 [°C]
AI	22					TH9	Thermistor 9 [°C]
AI	23					TH11	Thermistor 11 [°C]
AI	24					FAN-Ver	Fan1 SW version
PIV	25					Save	Capacity save signal [%]
PIV	26					OpeS	Operation Status
PIV	27					Attr	Attribute (OC/OS identification)
AI	28					Tc	Condensing temperature [°C]
AI	29					Te	Evaporating temperature [°C]
AI	30					THHS	Thermistor 9 [°C]
BI	31					SV1a	SV1(A)/SV1a
BI	32					Dmnd	Demand
BI	33					Dmnd2	Demand2



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	34					Ngt	Night
BI	35					Ngt2	Night2
BI	36					Snow	Snow
BI	37					21S4a	21S4a
BI	38					SV5b	SV5b
BI	39					SV9	SV9
BI	40					SV4a	SV4a
BI	41					SV4b	SV4b
BI	42					SV4d	SV4d
BI	43					SV10	SV10
BI	44					SV11	SV11
IV	45					AK	Heat exchanger capacity
BI	46					IH	IH
PIV	47					FAN-Fr	Fan1 run status
BI	48					WM	WM
BI	49					Rep	Repeater output
BI	50					72C	72C
BI	51					CompOn	Comp ON
BI	52					M-NetSup	M-NET supply
BI	53					SV7	SV7

• PURY-P [capacity] YLM-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
AI	01					TH3	Thermistor 3 [°C]
AI	02					TH4	Thermistor 4 [°C]
AI	03					TH5	Thermistor 5 [°C]
AI	04					TH6	Thermistor 6 [°C]
AI	05					TH7	Thermistor 7 [°C]
AI	06					TH9	Thermistor 9 [°C]
AI	07					TH11	Thermistor 11 [°C]
AI	08					63HS1	63HS1 Pressure sensor [kg/cm2]
AI	09					63LS	63LS Pressure sensor [kg/cm2]
AI	10					THHS	Thermistor 9 [°C]
AI	11					Tc	Condensing temperature [°C]
AI	12					Te	Evaporating temperature [°C]
IV	13					Vdc	Bus voltage [V]
AI	14					Iu	U-Phase current effective value [A]
AI	15					Iw	W-Phase current effective value [A]
IV	16					F(Hz)	All temporary frequencies [Hz]
PIV	17					FAN	Fan output [Hz]
PIV	18					Foc	Temporary frequency [Hz]
IV	19					QcC	Total capacity Cool
IV	20					QcH	Total capacity Heat

• PURY-P [capacity] YLM-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode
PIV	02					OpeM	Operation Mode
IV	03					F(Hz)	All temporary frequencies [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV5a	LEV5a [pls]		
PIV			10	LEV5b	LEV5b [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LX	LX		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
PIV			17	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			18	FAN2	FAN2		
IV			19	Vdc	Bus voltage [V]		
AI			20	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			21	63LS	63LS Pressure sensor [kg/cm2]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		
AI			25	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			26	TH7	Thermistor 7 [°C]		
AI			27	TH9	Thermistor 9 [°C]		
AI			28	TH11	Thermistor 11 [°C]		
AI			29	TH12	Thermistor 12 [°C]		
AI			30	FAN-Ver	Fan1 SW version		
AI			31	FAN2-Ver	Fan2 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		
PIV			35	M-NetSupUn	M-NET supply unit		
PIV			36	StrtUpUn	Start-up unit		
AI			37	Tc	Condensing temperature [°C]		
AI			38	Te	Evaporating temperature [°C]		
AI			39	THHS	Thermistor 9 [°C]		
BI			40	SV1a	SV1(A)/SV1a		
BI			41	Dmnd	Demand		
BI			42	Dmnd2	Demand2		
BI			43	Ngd	Night		
BI			44	Ngd2	Night2		
BI			45	Snow	Snow		
BI			46	21S4a	21S4a		
BI			47	21S4b	21S4b		
BI			48	SV5b	SV5b		
BI			49	SV9	SV9		
BI			50	SV4a	SV4a		
BI			51	SV4b	SV4b		
BI			52	SV4c	SV4c		
BI			53	SV4d	SV4d		
BI			54	SV10	SV10		
BI			55	SV11	SV11		
IV			56	AK	Heat exchanger capacity		
AI			57	RotTm	Rotation timer		
BI			58	IH	IH		
PIV			59	FAN-Fr	Fan1 run status		
PIV			60	FAN2-Fr	Fan2 run status		
BI			61	WM	WM		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	62					Rep	Repeater output
BI	63					72C	72C
BI	64					CompOn	Comp ON
BI	65					M-NetSup	M-NET supply

• PUHY-(E)P [capacity] DM*

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	LA	LA		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
AI			16	Vdc	COMP bus voltage [V]		
AI			17	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH2	Thermistor 2 [°C]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH5	Thermistor 5 [°C]		
AI			24	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			25	TH7	Thermistor 7 [°C]		
AI			26	FAN-Ver	Fan1 SW version		
PIV			27	Save	Capacity save signal [%]		
PIV			28	OpeS	Operation Status		
PIV			29	Attr	Attribute (OC/OS identification)		
PIV			30	M-NetSupUn	M-NET supply unit		
PIV			31	StrtUpUn	Start-up unit		
AI			32	SCo	Heat exchanger outlet subcooling [°C]		
AI			33	SHb	Coil bypass outlet superheat [°C]		
AI			34	Tc	Condensing temperature [°C]		
AI			35	Te	Evaporating temperature [°C]		
AI			36	THHS	Thermistor 9 [°C]		
IV			37	AK	Heat exchanger capacity		
AI			38	RotTm	Rotation timer		
BI			39	SV1a	SV1(A)/SV1a		
BI			40	Dmnd	Demand		
BI			41	Dmnd2	Demand2		
BI			42	Ngt	Night		
BI			43	Ngt2	Night2		
BI			44	Snow	Snow		
BI			45	21S4a	21S4a		
BI			46	IH	IH		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV					47	FAN-Fr	Fan1 run status
BI					48	AF	Active Filter
BI					49	Pwr	Power source frequency
BI					50	WM	WM
BI					51	Rep	Repeater output
BI					52	72C	72C
BI					53	CompOn	Comp ON
BI					54	M-NetSup	M-NET supply

• **PUHY-(E)P [capacity] DM***

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV		00	Type		Outdoor Unit Type Name		
PIV		01	CtrlM		Control Mode		
PIV		02	OpeM		Operation Mode		
IV		03	F(Hz)		All temporary frequencies [Hz]		
PIV		04	F1		Temporary frequency of No.1 COMP [Hz]		
PIV		05	Foc		Temporary frequency [Hz]		
PIV		06	FAN		Fan output [Hz]		
IV		07	QjC		Total capacity Cool		
IV		08	QjH		Total capacity Heat		
PIV		09	LEV1		LEV1 Linear expansion valve [pls]		
AI		10	Idc		Direct current [A]		
AI		11	Iu		U-Phase current effective value [A]		
AI		12	Iw		W-Phase current effective value [A]		
PIV		13	AL		AL		
AI		14	LA		LA		
PIV		15	FAN(rpm)		FAN(rpm) [rpm]		
PIV		16	FAN2(rpm)		FAN2(rpm) [rpm]		
PIV		17	FAN2		FAN2		
AI		18	Vdc		COMP bus voltage [V]		
AI		19	63HS1		63HS1 Pressure sensor [kg/cm2]		
AI		20	63LS		63LS Pressure sensor [kg/cm2]		
AI		21	TH2		Thermistor 2 [°C]		
AI		22	TH3		Thermistor 3 [°C]		
AI		23	TH4		Thermistor 4 [°C]		
AI		24	TH6		Inlet pipe temperature of the heat exchanger [°C]		
AI		25	TH7		Thermistor 7 [°C]		
AI		26	FAN-Ver		Fan1 SW version		
AI		27	FAN2-Ver		Fan2 SW version		
PIV		28	Save		Capacity save signal [%]		
PIV		29	OpeS		Operation Status		
PIV		30	Attr		Attribute (OC/OS identification)		
PIV		31	M-NetSupUn		M-NET supply unit		
PIV		32	StrtUpUn		Start-up unit		
AI		33	SCo		Heat exchanger outlet subcooling [°C]		
AI		34	SHb		Coil bypass outlet superheat [°C]		
AI		35	Tc		Condensing temperature [°C]		
AI		36	Te		Evaporating temperature [°C]		
AI		37	THHS		Thermistor 9 [°C]		
IV		38	AK		Heat exchanger capacity		
AI		39	RotTm		Rotation timer		
BI		40	SV1a		SV1(A)/SV1a		
BI		41	Dmnd		Demand		
BI		42	Dmnd2		Demand2		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI				43		Ngt	Night
BI				44		Ngt2	Night2
BI				45		Snow	Snow
BI				46		21S4a	21S4a
BI				47		21S4b	21S4b
BI				48		SV5b	SV5b
BI				49		IH	IH
PIV				50		FAN-Fr	Fan1 run status
PIV				51		FAN2-Fr	Fan2 run status
BI				52		AF	Active Filter
BI				53		Pwr	Power source frequency
BI				54		WM	WM
BI				55		Rep	Repeater output
BI				56		72C	72C
BI				57		CompOn	Comp ON
BI				58		M-NetSup	M-NET supply

• PUHY-(E)P [capacity] DM*

Object Identifier bits						Short Name	Object Description	
31	22	21	8	7	0			
Type	Instance		Index					
	VA							
CSV			00		Type	Outdoor Unit Type Name		
PIV			01		CtrlM	Control Mode		
PIV			02		OpeM	Operation Mode		
IV			03		F(Hz)	All temporary frequencies [Hz]		
PIV			04		F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05		Foc	Temporary frequency [Hz]		
PIV			06		FAN	Fan output [Hz]		
IV			07		QjC	Total capacity Cool		
IV			08		QjH	Total capacity Heat		
PIV			09		LEV1	LEV1 Linear expansion valve [pls]		
PIV			10		LEV2	LEV2 Linear expansion valve [pls]		
AI			11		Iu	U-Phase current effective value [A]		
AI			12		Iw	W-Phase current effective value [A]		
PIV			13		AL	AL		
AI			14		LA	LA		
PIV			15		FAN(rpm)	FAN(rpm) [rpm]		
AI			16		Vdc	COMP bus voltage [V]		
AI			17		63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18		63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			19		63LS	63LS Pressure sensor [kg/cm2]		
AI			20		TH2	Thermistor 2 [°C]		
AI			21		TH3	Thermistor 3 [°C]		
AI			22		TH4	Thermistor 4 [°C]		
AI			23		TH5	Thermistor 5 [°C]		
AI			24		TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			25		TH7	Thermistor 7 [°C]		
AI			26		FAN-Ver	Fan1 SW version		
PIV			27		Save	Capacity save signal [%]		
PIV			28		OpeS	Operation Status		
PIV			29		Attr	Attribute (OC/OS identification)		
PIV			30		M-NetSupUn	M-NET supply unit		
PIV			31		StrtUpUn	Start-up unit		
AI			32		SCo	Heat exchanger outlet subcooling [°C]		
AI			33		SHb	Coil bypass outlet superheat [°C]		
AI			34		Tc	Condensing temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI	35				Te	Evaporating temperature [°C]	
AI	36				THHS	Thermistor 9 [°C]	
IV	37				AK	Heat exchanger capacity	
AI	38				RotTm	Rotation timer	
BI	39				SV1a	SV1(A)/SV1a	
BI	40				Dmnd	Demand	
BI	41				Dmnd2	Demand2	
BI	42				Ngt	Night	
BI	43				Ngt2	Night2	
BI	44				Snow	Snow	
BI	45				21S4a	21S4a	
BI	46				IH	IH	
PIV	47				FAN-Fr	Fan1 run status	
BI	48				AF	Active Filter	
BI	49				Pwr	Power source frequency	
BI	50				WM	WM	
BI	51				Rep	Repeater output	
BI	52				72C	72C	
BI	53				CompOn	Comp ON	
BI	54				M-NetSup	M-NET supply	

• PUHY-(E)P [capacity] DM*

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode
PIV	02					OpeM	Operation Mode
IV	03					F(Hz)	All temporary frequencies [Hz]
PIV	04					F1	Temporary frequency of No.1 COMP [Hz]
PIV	05					Foc	Temporary frequency [Hz]
PIV	06					FAN	Fan output [Hz]
IV	07					QjC	Total capacity Cool
IV	08					QjH	Total capacity Heat
PIV	09					LEV1	LEV1 Linear expansion valve [pls]
PIV	10					LEV2	LEV2 Linear expansion valve [pls]
AI	11					Idc	Direct current [A]
AI	12					Iu	U-Phase current effective value [A]
AI	13					Iw	W-Phase current effective value [A]
PIV	14					AL	AL
AI	15					LA	LA
PIV	16					FAN(rpm)	FAN(rpm) [rpm]
AI	17					Vdc	COMP bus voltage [V]
AI	18					63HS1	63HS1 Pressure sensor [kg/cm2]
AI	19					63HS2	63HS2 Pressure sensor [kg/cm2]
AI	20					63LS	63LS Pressure sensor [kg/cm2]
AI	21					TH2	Thermistor 2 [°C]
AI	22					TH3	Thermistor 3 [°C]
AI	23					TH4	Thermistor 4 [°C]
AI	24					TH5	Thermistor 5 [°C]
AI	25					TH6	Inlet pipe temperature of the heat exchanger [°C]
AI	26					TH7	Thermistor 7 [°C]
AI	27					FAN-Ver	Fan1 SW version
PIV	28					Save	Capacity save signal [%]
PIV	29					OpeS	Operation Status
PIV	30					Attr	Attribute (OC/OS identification)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV			31	M-NetSupUn	M-NET supply unit		
PIV			32	StrtUpUn	Start-up unit		
AI			33	SCo	Heat exchanger outlet subcooling [°C]		
AI			34	SHb	Coil bypass outlet superheat [°C]		
AI			35	Tc	Condensing temperature [°C]		
AI			36	Te	Evaporating temperature [°C]		
AI			37	THHS	Thermistor 9 [°C]		
IV			38	AK	Heat exchanger capacity		
AI			39	RotTm	Rotation timer		
BI			40	SV1a	SV1(A)/SV1a		
BI			41	Dmnd	Demand		
BI			42	Dmnd2	Demand2		
BI			43	Ngt	Night		
BI			44	Ngt2	Night2		
BI			45	Snow	Snow		
BI			46	21S4a	21S4a		
BI			47	21S4b	21S4b		
BI			48	SV5b	SV5b		
BI			49	SV9	SV9		
BI			50	IH	IH		
PIV			51	FAN-Fr	Fan1 run status		
BI			52	AF	Active Filter		
BI			53	Pwr	Power source frequency		
BI			54	WM	WM		
BI			55	Rep	Repeater output		
BI			56	72C	72C		
BI			57	CompOn	Comp ON		
BI			58	M-NetSup	M-NET supply		

• PUHY-(E)P [capacity] DM*

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
PIV			13	FAN(rpm)	FAN(rpm) [rpm]		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			17	63LS	63LS Pressure sensor [kg/cm2]		
AI			18	TH2	Thermistor 2 [°C]		
AI			19	TH3	Thermistor 3 [°C]		
AI			20	TH4	Thermistor 4 [°C]		
AI			21	TH5	Thermistor 5 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			23	TH7	Thermistor 7 [°C]		
AI			24	FAN-Ver	Fan1 SW version		
PIV			25	Save	Capacity save signal [%]		
PIV			26	OpeS	Operation Status		
PIV			27	Attr	Attribute (OC/OS identification)		
AI			28	SCo	Heat exchanger outlet subcooling [°C]		
AI			29	SHb	Coil bypass outlet superheat [°C]		
AI			30	Tc	Condensing temperature [°C]		
AI			31	Te	Evaporating temperature [°C]		
AI			32	THHS	Thermistor 9 [°C]		
IV			33	AK	Heat exchanger capacity		
AI			34	RotTm	Rotation timer		
BI			35	SV1a	SV1(A)/SV1a		
BI			36	Dmnd	Demand		
BI			37	Dmnd2	Demand2		
BI			38	Ng1	Night		
BI			39	Ng12	Night2		
BI			40	Snow	Snow		
BI			41	21S4a	21S4a		
BI			42	IH	IH		
PIV			43	FAN-Fr	Fan1 run status		
BI			44	AF	Active Filter		
BI			45	Pwr	Power source frequency		
BI			46	WM	WM		
BI			47	Rep	Repeater output		
BI			48	72C	72C		
BI			49	CompOn	Comp ON		
BI			50	M-NetSup	M-NET supply		

• PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		
AI			06	TH7	Thermistor 7 [°C]		
AI			07	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			08	63LS	63LS Pressure sensor [kg/cm2]		
AI			09	THHS	Thermistor 9 [°C]		
AI			10	Tc	Condensing temperature [°C]		
AI			11	Te	Evaporating temperature [°C]		
AI			12	Vdc	COMP bus voltage [V]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
IV			15	F(Hz)	All temporary frequencies [Hz]		
PIV			16	FAN	Fan output [Hz]		
PIV			17	Foc	Temporary frequency [Hz]		
IV			18	QcC	Total capacity Cool		
IV			19	QcH	Total capacity Heat		
AI			20	SCo	Heat exchanger outlet subcooling [°C]		
AI			21	SCc	Coil outlet subcooling [°C]		
AI			22	SHb	Coil bypass outlet superheat [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	23				LEV1	LEV1 Linear expansion valve [pls]	
PIV	24				LEV2	LEV2 Linear expansion valve [pls]	
BI	25				Dmnd	Demand	
BI	26				SV1a	SV1(A)/SV1a	
BI	27				Dmnd2	Demand2	
BI	28				Snow	Snow	
BI	29				Ngt	Night	
BI	30				Ngt2	Night2	
BI	31				21S4a	21S4a	
BI	32				21S4b	21S4b	
BI	33				21S4c	21S4c	
BI	34				SV5b	SV5b	
BI	35				SV5c	SV5c	
BI	36				52F	52F	
BI	37				SV9	SV9	
PIV	38				OpeM	Operation Mode	
PIV	39				CtrlM	Control Mode	

• PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
AI					01	TH2	Thermistor 2 [°C]
AI					02	TH3	Thermistor 3 [°C]
AI					03	TH4	Thermistor 4 [°C]
AI					04	TH5	Thermistor 5 [°C]
AI					05	TH6	Thermistor 6 [°C]
AI					06	TH7	Thermistor 7 [°C]
AI					07	63HS1	63HS1 Pressure sensor [kg/cm2]
AI					08	63LS	63LS Pressure sensor [kg/cm2]
AI					09	THHS	Thermistor 9 [°C]
AI					10	Tc	Condensing temperature [°C]
AI					11	Te	Evaporating temperature [°C]
AI					12	Vdc	COMP bus voltage [V]
AI					13	Iu	U-Phase current effective value [A]
AI					14	Iw	W-Phase current effective value [A]
PIV					15	FAN	Fan output [Hz]
IV					16	QjC	Total capacity Cool
IV					17	QjH	Total capacity Heat
AI					18	SCo	Heat exchanger outlet subcooling [°C]
AI					19	SCc	Coil outlet subcooling [°C]
AI					20	SHb	Coil bypass outlet superheat [°C]
PIV					21	LEV1	LEV1 Linear expansion valve [pls]
PIV					22	LEV2	LEV2 Linear expansion valve [pls]
BI					23	Dmnd	Demand
BI					24	SV1a	SV1(A)/SV1a
BI					25	Dmnd2	Demand2
BI					26	Snow	Snow
BI					27	Ngt	Night
BI					28	Ngt2	Night2
BI					29	21S4a	21S4a
BI					30	21S4b	21S4b
BI					31	21S4c	21S4c
BI					32	SV5b	SV5b
BI					33	SV5c	SV5c



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	34					52F	52F
BI	35					SV9	SV9
PIV	36					Fos	Temporary frequency [Hz]
PIV	37					OpeM	Operation Mode
PIV	38					CtrlM	Control Mode

• PUHY-HP [capacity] TJMU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	CtrlM	Control Mode
PIV					02	OpeM	Operation Mode
IV					03	F(Hz)	All temporary frequencies [Hz]
PIV					04	F1	Temporary frequency of No.1 COMP [Hz]
PIV					05	Foc	Temporary frequency [Hz]
PIV					06	FAN	Fan output [Hz]
IV					07	QjC	Total capacity Cool
IV					08	QjH	Total capacity Heat
PIV					09	LEV1	LEV1 Linear expansion valve [pls]
PIV					10	LEV2	LEV2 Linear expansion valve [pls]
PIV					11	LEV4	Linear expansion valve [pls]
AI					12	Idc	Direct current [A]
AI					13	Iu	U-Phase current effective value [A]
AI					14	Iw	W-Phase current effective value [A]
PIV					15	AL	AL
AI					16	Vdc	COMP bus voltage [V]
AI					17	63HS1	63HS1 Pressure sensor [kg/cm2]
AI					18	63HS2	63HS2 Pressure sensor [kg/cm2]
AI					19	63LS	63LS Pressure sensor [kg/cm2]
AI					20	TH2	Thermistor 2 [°C]
AI					21	TH3	Thermistor 3 [°C]
AI					22	TH4	Thermistor 4 [°C]
AI					23	TH6	Inlet pipe temperature of the heat exchanger [°C]
AI					24	TH7	Thermistor 7 [°C]
AI					25	FAN-Ver	Fan1 SW version
PIV					26	Save	Capacity save signal [%]
PIV					27	OpeS	Operation Status
PIV					28	Attr	Attribute (OC/OS identification)
PIV					29	M-NetSupUn	M-NET supply unit
PIV					30	StrtUpUn	Start-up unit
AI					31	SCo	Heat exchanger outlet subcooling [°C]
AI					32	SCc	Coil outlet subcooling [°C]
AI					33	SHb	Coil bypass outlet superheat [°C]
AI					34	Tc	Condensing temperature [°C]
AI					35	Te	Evaporating temperature [°C]
AI					36	THHS	Thermistor 9 [°C]
AI					37	THBOX	Thermistor in box [°C]
IV					38	AK	Heat exchanger capacity
AI					39	RotTm	Rotation timer
BI					40	Dmnd	Demand
BI					41	Dmnd2	Demand2
BI					42	Ng1	Night
BI					43	Ng12	Night2
BI					44	Snow	Snow
BI					45	SV1a	SV1(A)/SV1a



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			46	21S4a	21S4a		
BI			47	21S4b	21S4b		
BI			48	SV5b	SV5b		
BI			49	SV9	SV9		
BI			50	SV2	SV2		
BI			51	SV6	SV6		
BI			52	Pwr	Power source frequency		
BI			53	WM	WM		
BI			54	Rep	Repeater output		
BI			55	72C	72C		
BI			56	CompOn	Comp ON		
BI			57	M-NetSup	M-NET supply		
BI			58	CH11	CH11		
BI			59	INV-FAN1	INV-FAN1		

• PUHY-HP [capacity] TJMU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV4	Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	Vdc	COMP bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			18	63LS	63LS Pressure sensor [kg/cm2]		
AI			19	TH2	Thermistor 2 [°C]		
AI			20	TH3	Thermistor 3 [°C]		
AI			21	TH4	Thermistor 4 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			23	TH7	Thermistor 7 [°C]		
AI			24	FAN-Ver	Fan1 SW version		
PIV			25	Save	Capacity save signal [%]		
PIV			26	OpeS	Operation Status		
PIV			27	Attr	Attribute (OC/OS identification)		
AI			28	SCo	Heat exchanger outlet subcooling [°C]		
AI			29	SCc	Coil outlet subcooling [°C]		
AI			30	SHb	Coil bypass outlet superheat [°C]		
AI			31	Tc	Condensing temperature [°C]		
AI			32	Te	Evaporating temperature [°C]		
AI			33	THHS	Thermistor 9 [°C]		
AI			34	THBOX	Thermistor in box [°C]		
IV			35	AK	Heat exchanger capacity		
AI			36	RotTm	Rotation timer		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	37				Dmnd	Demand	
BI	38				Dmnd2	Demand2	
BI	39				Ngt	Night	
BI	40				Ngt2	Night2	
BI	41				Snow	Snow	
BI	42				SV1a	SV1(A)/SV1a	
BI	43				21S4a	21S4a	
BI	44				21S4b	21S4b	
BI	45				SV5b	SV5b	
BI	46				SV9	SV9	
BI	47				SV2	SV2	
BI	48				SV6	SV6	
BI	49				Pwr	Power source frequency	
BI	50				WM	WM	
BI	51				Rep	Repeater output	
BI	52				72C	72C	
BI	53				CompOn	Comp ON	
BI	54				M-NetSup	M-NET supply	
BI	55				CH11	CH11	
BI	56				INV-FAN1	INV-FAN1	

- PUHY-EP [capacity] YLM-A, PUHY-P [capacity] YKB

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
AI	01				TH2	Thermistor 2 [°C]	
AI	02				TH3	Thermistor 3 [°C]	
AI	03				TH4	Thermistor 4 [°C]	
AI	04				TH5	Thermistor 5 [°C]	
AI	05				TH6	Thermistor 6 [°C]	
AI	06				TH7	Thermistor 7 [°C]	
AI	07				TH9	Thermistor 9 [°C]	
AI	08				TH11	Thermistor 11 [°C]	
AI	09				63HS1	63HS1 Pressure sensor [kg/cm2]	
AI	10				63HS2	63HS2 Pressure sensor [kg/cm2]	
AI	11				63LS	63LS Pressure sensor [kg/cm2]	
AI	12				THHS	Thermistor 9 [°C]	
AI	13				Tc	Condensing temperature [°C]	
AI	14				Te	Evaporating temperature [°C]	
IV	15				Vdc	Bus voltage [V]	
AI	16				Iu	U-Phase current effective value [A]	
AI	17				Iw	W-Phase current effective value [A]	
IV	18				F(Hz)	All temporary frequencies [Hz]	
PIV	19				FAN	Fan output [Hz]	
PIV	20				Foc	Temporary frequency [Hz]	
IV	21				QjC	Total capacity Cool	
IV	22				QjH	Total capacity Heat	
AI	23				SCo	Heat exchanger outlet subcooling [°C]	
AI	24				SCc	Coil outlet subcooling [°C]	
AI	25				SHb	Coil bypass outlet superheat [°C]	
PIV	26				LEV1	LEV1 Linear expansion valve [pls]	

- PUHY-EP [capacity] YLM-A, PUHY-P [capacity] YKB



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		
AI			06	TH7	Thermistor 7 [°C]		
AI			07	TH9	Thermistor 9 [°C]		
AI			08	TH11	Thermistor 11 [°C]		
AI			09	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			10	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			11	63LS	63LS Pressure sensor [kg/cm2]		
AI			12	THHS	Thermistor 9 [°C]		
AI			13	Tc	Condensing temperature [°C]		
AI			14	Te	Evaporating temperature [°C]		
IV			15	Vdc	Bus voltage [V]		
AI			16	Iu	U-Phase current effective value [A]		
AI			17	Iw	W-Phase current effective value [A]		
PIV			18	FAN	Fan output [Hz]		
IV			19	QjC	Total capacity Cool		
IV			20	QjH	Total capacity Heat		
AI			21	SCo	Heat exchanger outlet subcooling [°C]		
AI			22	SCc	Coil outlet subcooling [°C]		
AI			23	SHb	Coil bypass outlet superheat [°C]		
PIV			24	LEV1	LEV1 Linear expansion valve [pls]		

• PUHY-P[cap]TKA/YKA/YKAT/YKD(1)/YKDT

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LA	LA		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
AI			17	Vdc	COMP bus voltage [V]		
AI			18	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH2	Thermistor 2 [°C]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH5	Thermistor 5 [°C]		
AI			24	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			25	TH7	Thermistor 7 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			26		FAN-Ver	Fan1 SW version	
PIV			27		Save	Capacity save signal [%]	
PIV			28		OpeS	Operation Status	
PIV			29		Attr	Attribute (OC/OS identification)	
PIV			30		M-NetSupUn	M-NET supply unit	
PIV			31		StrtUpUn	Start-up unit	
AI			32		SCo	Heat exchanger outlet subcooling [°C]	
AI			33		SCc	Coil outlet subcooling [°C]	
AI			34		SHb	Coil bypass outlet superheat [°C]	
AI			35		Tc	Condensing temperature [°C]	
AI			36		Te	Evaporating temperature [°C]	
AI			37		THHS	Thermistor 9 [°C]	
IV			38		AK	Heat exchanger capacity	
AI			39		RotTm	Rotation timer	
BI			40		SV1a	SV1(A)/SV1a	
BI			41		Dmnd	Demand	
BI			42		Dmnd2	Demand2	
BI			43		Ngt	Night	
BI			44		Ngt2	Night2	
BI			45		Snow	Snow	
BI			46		21S4a	21S4a	
BI			47		21S4b	21S4b	
BI			48		SV5b	SV5b	
BI			49		SV9	SV9	
BI			50		IH	IH	
PIV			51		FAN-Fr	Fan1 run status	
BI			52		AF	Active Filter	
BI			53		Pwr	Power source frequency	
BI			54		WM	WM	
BI			55		Rep	Repeater output	
BI			56		72C	72C	
BI			57		CompOn	Comp ON	
BI			58		M-NetSup	M-NET supply	

• **PUHY-P[cap]TKA/YKA/YKAT/YKD(1)/YKDT**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
PIV			07	FAN2	FAN2		
IV			08	QjC	Total capacity Cool		
IV			09	QjH	Total capacity Heat		
PIV			10	LEV1	LEV1 Linear expansion valve [pls]		
PIV			11	LEV2	LEV2 Linear expansion valve [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			18	FAN2(rpm)	FAN2(rpm) [rpm]		
AI			19	Vdc	COMP bus voltage [V]		
AI			20	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			21	63LS	63LS Pressure sensor [kg/cm2]		
AI			22	TH2	Thermistor 2 [°C]		
AI			23	TH3	Thermistor 3 [°C]		
AI			24	TH4	Thermistor 4 [°C]		
AI			25	TH5	Thermistor 5 [°C]		
AI			26	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			27	TH7	Thermistor 7 [°C]		
AI			28	FAN-Ver	Fan1 SW version		
AI			29	FAN2-Ver	Fan2 SW version		
PIV			30	Save	Capacity save signal [%]		
PIV			31	OpeS	Operation Status		
PIV			32	Attr	Attribute (OC/OS identification)		
PIV			33	M-NetSupUn	M-NET supply unit		
PIV			34	StrtUpUn	Start-up unit		
AI			35	SCo	Heat exchanger outlet subcooling [°C]		
AI			36	SCc	Coil outlet subcooling [°C]		
AI			37	SHb	Coil bypass outlet superheat [°C]		
AI			38	Tc	Condensing temperature [°C]		
AI			39	Te	Evaporating temperature [°C]		
AI			40	THHS	Thermistor 9 [°C]		
IV			41	AK	Heat exchanger capacity		
AI			42	RotTm	Rotation timer		
BI			43	SV1a	SV1(A)/SV1a		
BI			44	Dmnd	Demand		
BI			45	Dmnd2	Demand2		
BI			46	Ngt	Night		
BI			47	Ngt2	Night2		
BI			48	Snow	Snow		
BI			49	21S4a	21S4a		
BI			50	21S4b	21S4b		
BI			51	SV5b	SV5b		
BI			52	SV9	SV9		
BI			53	IH	IH		
PIV			54	FAN-Fr	Fan1 run status		
PIV			55	FAN2-Fr	Fan2 run status		
BI			56	AF	Active Filter		
BI			57	Pwr	Power source frequency		
BI			58	WM	WM		
BI			59	Rep	Repeater output		
BI			60	72C	72C		
BI			61	CompOn	Comp ON		
BI			62	M-NetSup	M-NET supply		

• PUHY-P[cap]TKA/YKA/YKAT/YKD(1)/YKDT

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
IV			06		QjC	Total capacity Cool	
IV			07		QjH	Total capacity Heat	
PIV			08		LEV1	LEV1 Linear expansion valve [pls]	
PIV			09		LEV2	LEV2 Linear expansion valve [pls]	
AI			10		Idc	Direct current [A]	
AI			11		Iu	U-Phase current effective value [A]	
AI			12		Iw	W-Phase current effective value [A]	
PIV			13		AL	AL	
PIV			14		FAN(rpm)	FAN(rpm) [rpm]	
AI			15		Vdc	COMP bus voltage [V]	
AI			16		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			17		63LS	63LS Pressure sensor [kg/cm2]	
AI			18		TH2	Thermistor 2 [°C]	
AI			19		TH3	Thermistor 3 [°C]	
AI			20		TH4	Thermistor 4 [°C]	
AI			21		TH5	Thermistor 5 [°C]	
AI			22		TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI			23		TH7	Thermistor 7 [°C]	
AI			24		FAN-Ver	Fan1 SW version	
PIV			25		Save	Capacity save signal [%]	
PIV			26		OpeS	Operation Status	
PIV			27		Attr	Attribute (OC/OS identification)	
AI			28		SCo	Heat exchanger outlet subcooling [°C]	
AI			29		SCc	Coil outlet subcooling [°C]	
AI			30		SHb	Coil bypass outlet superheat [°C]	
AI			31		Tc	Condensing temperature [°C]	
AI			32		Te	Evaporating temperature [°C]	
AI			33		THHS	Thermistor 9 [°C]	
IV			34		AK	Heat exchanger capacity	
BI			35		SV1a	SV1(A)/SV1a	
BI			36		Dmnd	Demand	
BI			37		Dmnd2	Demand2	
BI			38		Ng1	Night	
BI			39		Ng12	Night2	
BI			40		Snow	Snow	
BI			41		21S4a	21S4a	
BI			42		SV9	SV9	
BI			43		IH	IH	
PIV			44		FAN-Fr	Fan1 run status	
BI			45		AF	Active Filter	
BI			46		Pwr	Power source frequency	
BI			47		WM	WM	
BI			48		Rep	Repeater output	
BI			49		72C	72C	
BI			50		CompOn	Comp ON	
BI			51		M-NetSup	M-NET supply	

• PUHY-P[cap]TKA/YKA/YKAT/YKD(1)/YKDT

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00			Type	Outdoor Unit Type Name
PIV			01			CtrlM	Control Mode
PIV			02			OpeM	Operation Mode
PIV			03			F1	Temporary frequency of No.1 COMP [Hz]
PIV			04			Fos	Temporary frequency [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
PIV			14	FAN(rpm)	FAN(rpm) [rpm]		
AI			15	Vdc	COMP bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63LS	63LS Pressure sensor [kg/cm2]		
AI			18	TH2	Thermistor 2 [°C]		
AI			19	TH3	Thermistor 3 [°C]		
AI			20	TH4	Thermistor 4 [°C]		
AI			21	TH5	Thermistor 5 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			23	TH7	Thermistor 7 [°C]		
AI			24	FAN-Ver	Fan1 SW version		
PIV			25	Save	Capacity save signal [%]		
PIV			26	OpeS	Operation Status		
PIV			27	Attr	Attribute (OC/OS identification)		
AI			28	SCo	Heat exchanger outlet subcooling [°C]		
AI			29	SCc	Coil outlet subcooling [°C]		
AI			30	SHb	Coil bypass outlet superheat [°C]		
AI			31	Tc	Condensing temperature [°C]		
AI			32	Te	Evaporating temperature [°C]		
AI			33	THHS	Thermistor 9 [°C]		
IV			34	AK	Heat exchanger capacity		
BI			35	SV1a	SV1(A)/SV1a		
BI			36	Dmnd	Demand		
BI			37	Dmnd2	Demand2		
BI			38	Ngt	Night		
BI			39	Ngt2	Night2		
BI			40	Snow	Snow		
BI			41	21S4a	21S4a		
BI			42	21S4b	21S4b		
BI			43	SV5b	SV5b		
BI			44	SV9	SV9		
BI			45	IH	IH		
PIV			46	FAN-Fr	Fan1 run status		
BI			47	AF	Active Filter		
BI			48	Pwr	Power source frequency		
BI			49	WM	WM		
BI			50	Rep	Repeater output		
BI			51	72C	72C		
BI			52	CompOn	Comp ON		
BI			53	M-NetSup	M-NET supply		

• PUHY-P[cap]TKA/YKA/YKAT/YKD(1)/YKDT

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV		02	OpeM		Operation Mode		
PIV		03	F1		Temporary frequency of No.1 COMP [Hz]		
PIV		04	Fos		Temporary frequency [Hz]		
PIV		05	FAN		Fan output [Hz]		
PIV		06	FAN2		FAN2		
IV		07	QjC		Total capacity Cool		
IV		08	QjH		Total capacity Heat		
PIV		09	LEV1		LEV1 Linear expansion valve [pls]		
PIV		10	LEV2		LEV2 Linear expansion valve [pls]		
AI		11	Idc		Direct current [A]		
AI		12	Iu		U-Phase current effective value [A]		
AI		13	Iw		W-Phase current effective value [A]		
PIV		14	AL		AL		
PIV		15	FAN(rpm)		FAN(rpm) [rpm]		
PIV		16	FAN2(rpm)		FAN2(rpm) [rpm]		
AI		17	Vdc		COMP bus voltage [V]		
AI		18	63HS1		63HS1 Pressure sensor [kg/cm2]		
AI		19	63LS		63LS Pressure sensor [kg/cm2]		
AI		20	TH2		Thermistor 2 [°C]		
AI		21	TH3		Thermistor 3 [°C]		
AI		22	TH4		Thermistor 4 [°C]		
AI		23	TH5		Thermistor 5 [°C]		
AI		24	TH6		Inlet pipe temperature of the heat exchanger [°C]		
AI		25	TH7		Thermistor 7 [°C]		
AI		26	FAN-Ver		Fan1 SW version		
AI		27	FAN2-Ver		Fan2 SW version		
PIV		28	Save		Capacity save signal [%]		
PIV		29	OpeS		Operation Status		
PIV		30	Attr		Attribute (OC/OS identification)		
AI		31	SCo		Heat exchanger outlet subcooling [°C]		
AI		32	SCc		Coil outlet subcooling [°C]		
AI		33	SHb		Coil bypass outlet superheat [°C]		
AI		34	Tc		Condensing temperature [°C]		
AI		35	Te		Evaporating temperature [°C]		
AI		36	THHS		Thermistor 9 [°C]		
IV		37	AK		Heat exchanger capacity		
BI		38	SV1a		SV1(A)/SV1a		
BI		39	Dmnd		Demand		
BI		40	Dmnd2		Demand2		
BI		41	Ng1		Night		
BI		42	Ng12		Night2		
BI		43	Snow		Snow		
BI		44	21S4a		21S4a		
BI		45	21S4b		21S4b		
BI		46	SV5b		SV5b		
BI		47	SV9		SV9		
BI		48	IH		IH		
PIV		49	FAN-Fr		Fan1 run status		
PIV		50	FAN2-Fr		Fan2 run status		
BI		51	AF		Active Filter		
BI		52	Pwr		Power source frequency		
BI		53	WM		WM		
BI		54	Rep		Repeater output		
BI		55	72C		72C		
BI		56	CompOn		Comp ON		
BI		57	M-NetSup		M-NET supply		



• PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA			Index			
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV2b	LEV2b [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		
IV			18	Vdc	Bus voltage [V]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH2	Thermistor 2 [°C]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		
AI			25	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			26	TH7	Thermistor 7 [°C]		
AI			27	FAN-Ver	Fan1 SW version		
PIV			28	Save	Capacity save signal [%]		
PIV			29	OpeS	Operation Status		
PIV			30	Attr	Attribute (OC/OS identification)		
PIV			31	M-NetSupUn	M-NET supply unit		
PIV			32	StrtUpUn	Start-up unit		
AI			33	SCo	Heat exchanger outlet subcooling [°C]		
AI			34	SCc	Coil outlet subcooling [°C]		
AI			35	SHb	Coil bypass outlet superheat [°C]		
AI			36	Tc	Condensing temperature [°C]		
AI			37	Te	Evaporating temperature [°C]		
AI			38	THHS	Thermistor 9 [°C]		
IV			39	AK	Heat exchanger capacity		
AI			40	RotTm	Rotation timer		
BI			41	SV1a	SV1(A)/SV1a		
BI			42	Dmnd	Demand		
BI			43	Dmnd2	Demand2		
BI			44	Ngt	Night		
BI			45	Ngt2	Night2		
BI			46	Snow	Snow		
BI			47	21S4a	21S4a		
BI			48	21S4b	21S4b		
BI			49	SV9	SV9		
BI			50	SV2	SV2		
BI			51	IH	IH		
PIV			52	FAN-Fr	Fan1 run status		
BI			53	AF	Active Filter		
BI			54	Pwr	Power source frequency		
BI			55	WM	WM		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	56					Rep	Repeater output
BI	57					72C	72C
BI	58					CompOn	Comp ON
BI	59					M-NetSup	M-NET supply

• PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
AI				01	TH2	Thermistor 2 [°C]	
AI				02	TH3	Thermistor 3 [°C]	
AI				03	TH4	Thermistor 4 [°C]	
AI				04	TH5	Thermistor 5 [°C]	
AI				05	TH6	Thermistor 6 [°C]	
AI				06	TH7	Thermistor 7 [°C]	
AI				07	63HS1	63HS1 Pressure sensor [kg/cm2]	
AI				08	63HS2	63HS2 Pressure sensor [kg/cm2]	
AI				09	63LS	63LS Pressure sensor [kg/cm2]	
AI				10	THHS	Thermistor 9 [°C]	
AI				11	Tc	Condensing temperature [°C]	
AI				12	Te	Evaporating temperature [°C]	
IV				13	Vdc	Bus voltage [V]	
AI				14	Iu	U-Phase current effective value [A]	
AI				15	Iw	W-Phase current effective value [A]	
IV				16	F(Hz)	All temporary frequencies [Hz]	
PIV				17	FAN	Fan output [Hz]	
PIV				18	Foc	Temporary frequency [Hz]	
IV				19	QjC	Total capacity Cool	
IV				20	QjH	Total capacity Heat	
AI				21	SCo	Heat exchanger outlet subcooling [°C]	
AI				22	SCc	Coil outlet subcooling [°C]	
AI				23	SHb	Coil bypass outlet superheat [°C]	
PIV				24	LEV1	LEV1 Linear expansion valve [pls]	
BI				25	Dmnd	Demand	
BI				26	SV1a	SV1(A)/SV1a	
BI				27	Dmnd2	Demand2	
BI				28	Snow	Snow	
BI				29	Ngt	Night	
BI				30	Ngt2	Night2	
BI				31	21S4a	21S4a	
BI				32	21S4b	21S4b	
BI				33	21S4c	21S4c	
BI				34	SV5b	SV5b	
BI				35	SV9	SV9	
BI				36	SV2	SV2	
BI				37	IH	IH	
PIV				38	FAN(rpm)	FAN(rpm) [rpm]	
PIV				39	FAN2	FAN2	
PIV				40	FAN2(rpm)	FAN2(rpm) [rpm]	
PIV				41	LEV2a	LEV2a [pls]	
PIV				42	LEV2b	LEV2b [pls]	
PIV				43	OpeM	Operation Mode	
PIV				44	CtrlM	Control Mode	

• PUHY-P [capacity]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV			00		Type	Outdoor Unit Type Name	
AI			01		TH2	Thermistor 2 [°C]	
AI			02		TH3	Thermistor 3 [°C]	
AI			03		TH4	Thermistor 4 [°C]	
AI			04		TH5	Thermistor 5 [°C]	
AI			05		TH6	Thermistor 6 [°C]	
AI			06		TH7	Thermistor 7 [°C]	
AI			07		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			08		63HS2	63HS2 Pressure sensor [kg/cm2]	
AI			09		63LS	63LS Pressure sensor [kg/cm2]	
AI			10		THHS	Thermistor 9 [°C]	
AI			11		Tc	Condensing temperature [°C]	
AI			12		Te	Evaporating temperature [°C]	
IV			13		Vdc	Bus voltage [V]	
AI			14		Iu	U-Phase current effective value [A]	
AI			15		Iw	W-Phase current effective value [A]	
PIV			16		FAN	Fan output [Hz]	
IV			17		QcC	Total capacity Cool	
IV			18		QcH	Total capacity Heat	
AI			19		SCo	Heat exchanger outlet subcooling [°C]	
AI			20		SCc	Coil outlet subcooling [°C]	
AI			21		SHb	Coil bypass outlet superheat [°C]	
PIV			22		LEV1	LEV1 Linear expansion valve [pls]	
BI			23		Dmnd	Demand	
BI			24		SV1a	SV1(A)/SV1a	
BI			25		Dmnd2	Demand2	
BI			26		Snow	Snow	
BI			27		Ngt	Night	
BI			28		Ngt2	Night2	
BI			29		21S4a	21S4a	
BI			30		21S4b	21S4b	
BI			31		SV9	SV9	
BI			32		SV2	SV2	
BI			33		IH	IH	
PIV			34		Fos	Temporary frequency [Hz]	
PIV			35		FAN(rpm)	FAN(rpm) [rpm]	
PIV			36		LEV2a	LEV2a [pls]	
PIV			37		LEV2b	LEV2b [pls]	
PIV			38		OpeM	Operation Mode	
PIV			39		CtrlM	Control Mode	

• **PUHY-HP [capacity] SDM*/...**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				04	F1	Temporary frequency of No.1 COMP [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QcC	Total capacity Cool	
IV				08	QcH	Total capacity Heat	
PIV				09	LEV1	LEV1 Linear expansion valve [pls]	
PIV				10	LEV2a	LEV2a [pls]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			11	LEV4	Linear expansion valve [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		
AI			18	Vdc	COMP bus voltage [V]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH2	Thermistor 2 [°C]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		
AI			25	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			26	TH7	Thermistor 7 [°C]		
AI			27	FAN-Ver	Fan1 SW version		
PIV			28	Save	Capacity save signal [%]		
PIV			29	OpeS	Operation Status		
PIV			30	Attr	Attribute (OC/OS identification)		
PIV			31	M-NetSupUn	M-NET supply unit		
PIV			32	StrtUpUn	Start-up unit		
AI			33	SCo	Heat exchanger outlet subcooling [°C]		
AI			34	SCc	Coil outlet subcooling [°C]		
AI			35	SHb	Coil bypass outlet superheat [°C]		
AI			36	Tc	Condensing temperature [°C]		
AI			37	Te	Evaporating temperature [°C]		
AI			38	THHS	Thermistor 9 [°C]		
IV			39	AK	Heat exchanger capacity		
AI			40	RotTm	Rotation timer		
BI			41	SV1a	SV1(A)/SV1a		
BI			42	Dmnd	Demand		
BI			43	Dmnd2	Demand2		
BI			44	Ngt	Night		
BI			45	Ngt2	Night2		
BI			46	Snow	Snow		
BI			47	21S4a	21S4a		
BI			48	SV9	SV9		
BI			49	SV2	SV2		
BI			50	SV6	SV6		
BI			51	IH	IH		
PIV			52	FAN-Fr	Fan1 run status		
BI			53	AF	Active Filter		
BI			54	Pwr	Power source frequency		
BI			55	WM	WM		
BI			56	Rep	Repeater output		
BI			57	72C	72C		
BI			58	CompOn	Comp ON		
BI			59	M-NetSup	M-NET supply		

• PUHY-HP [capacity] SDM*/...

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	CtrlM		Control Mode	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV2b	LEV2b [pls]		
PIV			12	LEV4	Linear expansion valve [pls]		
AI			13	Idc	Direct current [A]		
AI			14	Iu	U-Phase current effective value [A]		
AI			15	Iw	W-Phase current effective value [A]		
PIV			16	AL	AL		
AI			17	LA	LA		
PIV			18	FAN(rpm)	FAN(rpm) [rpm]		
AI			19	Vdc	COMP bus voltage [V]		
AI			20	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			21	63LS	63LS Pressure sensor [kg/cm2]		
AI			22	TH2	Thermistor 2 [°C]		
AI			23	TH3	Thermistor 3 [°C]		
AI			24	TH4	Thermistor 4 [°C]		
AI			25	TH5	Thermistor 5 [°C]		
AI			26	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			27	TH7	Thermistor 7 [°C]		
AI			28	FAN-Ver	Fan1 SW version		
PIV			29	Save	Capacity save signal [%]		
PIV			30	OpeS	Operation Status		
PIV			31	Attr	Attribute (OC/OS identification)		
PIV			32	M-NetSupUn	M-NET supply unit		
PIV			33	StrtUpUn	Start-up unit		
AI			34	SCo	Heat exchanger outlet subcooling [°C]		
AI			35	SCc	Coil outlet subcooling [°C]		
AI			36	SHb	Coil bypass outlet superheat [°C]		
AI			37	Tc	Condensing temperature [°C]		
AI			38	Te	Evaporating temperature [°C]		
AI			39	THHS	Thermistor 9 [°C]		
IV			40	AK	Heat exchanger capacity		
AI			41	RotTm	Rotation timer		
BI			42	SV1a	SV1(A)/SV1a		
BI			43	Dmnd	Demand		
BI			44	Dmnd2	Demand2		
BI			45	Ng1	Night		
BI			46	Ng12	Night2		
BI			47	Snow	Snow		
BI			48	21S4a	21S4a		
BI			49	21S4b	21S4b		
BI			50	SV9	SV9		
BI			51	SV2	SV2		
BI			52	SV6	SV6		
BI			53	IH	IH		
PIV			54	FAN-Fr	Fan1 run status		
BI			55	AF	Active Filter		
BI			56	Pwr	Power source frequency		
BI			57	WM	WM		
BI			58	Rep	Repeater output		
BI			59	72C	72C		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	60					CompOn	Comp ON
BI	61					M-NetSup	M-NET supply

• PUHY-HRP [capacity] SDM*/...

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode
PIV	02					OpeM	Operation Mode
IV	03					F(Hz)	All temporary frequencies [Hz]
PIV	04					F1	Temporary frequency of No.1 COMP [Hz]
PIV	05					Foc	Temporary frequency [Hz]
PIV	06					FAN	Fan output [Hz]
IV	07					QjC	Total capacity Cool
IV	08					QjH	Total capacity Heat
PIV	09					LEV1	LEV1 Linear expansion valve [pls]
PIV	10					LEV2a	LEV2a [pls]
PIV	11					LEV4	Linear expansion valve [pls]
AI	12					Idc	Direct current [A]
AI	13					Iu	U-Phase current effective value [A]
AI	14					Iw	W-Phase current effective value [A]
PIV	15					AL	AL
AI	16					LA	LA
PIV	17					FAN(rpm)	FAN(rpm) [rpm]
AI	18					Vdc	COMP bus voltage [V]
AI	19					63HS1	63HS1 Pressure sensor [kg/cm2]
AI	20					63HS2	63HS2 Pressure sensor [kg/cm2]
AI	21					63LS	63LS Pressure sensor [kg/cm2]
AI	22					TH2	Thermistor 2 [°C]
AI	23					TH3	Thermistor 3 [°C]
AI	24					TH4	Thermistor 4 [°C]
AI	25					TH5	Thermistor 5 [°C]
AI	26					TH6	Inlet pipe temperature of the heat exchanger [°C]
AI	27					TH7	Thermistor 7 [°C]
AI	28					FAN-Ver	Fan1 SW version
PIV	29					Save	Capacity save signal [%]
PIV	30					OpeS	Operation Status
PIV	31					Attr	Attribute (OC/OS identification)
PIV	32					M-NetSupUn	M-NET supply unit
PIV	33					StrtUpUn	Start-up unit
AI	34					SCo	Heat exchanger outlet subcooling [°C]
AI	35					SCc	Coil outlet subcooling [°C]
AI	36					SHb	Coil bypass outlet superheat [°C]
AI	37					Tc	Condensing temperature [°C]
AI	38					Te	Evaporating temperature [°C]
AI	39					THHS	Thermistor 9 [°C]
IV	40					AK	Heat exchanger capacity
AI	41					RotTm	Rotation timer
IV	42					ClnTim	Cln Timer [min]
BI	43					SV1a	SV1(A)/SV1a
BI	44					Dmnd	Demand
BI	45					Dmnd2	Demand2
BI	46					Ng1	Night
BI	47					Ng12	Night2
BI	48					Snow	Snow



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			49	21S4a	21S4a		
BI			50	SV9	SV9		
BI			51	SV2	SV2		
BI			52	SV6	SV6		
BI			53	IH	IH		
PIV			54	FAN-Fr	Fan1 run status		
BI			55	AF	Active Filter		
BI			56	Pwr	Power source frequency		
BI			57	WM	WM		
BI			58	Rep	Repeater output		
BI			59	72C	72C		
BI			60	CompOn	Comp ON		
BI			61	M-NetSup	M-NET supply		
BI			62	SV8	SV8		

• **PUHY-P [capacity] DM-G/...**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			21	TH7	Thermistor 7 [°C]		
AI			22	FAN-Ver	Fan1 SW version		
PIV			23	Save	Capacity save signal [%]		
PIV			24	OpeS	Operation Status		
PIV			25	Attr	Attribute (OC/OS identification)		
PIV			26	M-NetSupUn	M-NET supply unit		
PIV			27	StrtUpUn	Start-up unit		
AI			28	SCo	Heat exchanger outlet subcooling [°C]		
AI			29	SHb	Coil bypass outlet superheat [°C]		
AI			30	Tc	Condensing temperature [°C]		
AI			31	Te	Evaporating temperature [°C]		
AI			32	THHS	Thermistor 9 [°C]		
AI			33	THBOX	Thermistor in box [°C]		
IV			34	AK	Heat exchanger capacity		
AI			35	RotTm	Rotation timer		
BI			36	SV1a	SV1(A)/SV1a		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI				37		Dmnd	Demand
BI				38		Dmnd2	Demand2
BI				39		Ngt	Night
BI				40		Ngt2	Night2
BI				41		Snow	Snow
BI				42		21S4a	21S4a
BI				43		21S4b	21S4b
BI				44		SV5b	SV5b
BI				45		AF	Active Filter
BI				46		WM	WM
BI				47		Rep	Repeater output
BI				48		72C	72C
BI				49		CompOn	Comp ON
BI				50		M-NetSup	M-NET supply
BI				51		CH11	CH11

• PUHY-P [capacity] DM-G/...

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				04	F1	Temporary frequency of No.1 COMP [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QjC	Total capacity Cool	
IV				08	QjH	Total capacity Heat	
PIV				09	LEV1	LEV1 Linear expansion valve [pls]	
AI				10	Idc	Direct current [A]	
AI				11	Iu	U-Phase current effective value [A]	
AI				12	Iw	W-Phase current effective value [A]	
PIV				13	AL	AL	
AI				14	Vdc	COMP bus voltage [V]	
AI				15	63HS1	63HS1 Pressure sensor [kg/cm2]	
AI				16	63LS	63LS Pressure sensor [kg/cm2]	
AI				17	TH2	Thermistor 2 [°C]	
AI				18	TH3	Thermistor 3 [°C]	
AI				19	TH4	Thermistor 4 [°C]	
AI				20	TH7	Thermistor 7 [°C]	
AI				21	FAN-Ver	Fan1 SW version	
PIV				22	Save	Capacity save signal [%]	
PIV				23	OpeS	Operation Status	
PIV				24	Attr	Attribute (OC/OS identification)	
PIV				25	M-NetSupUn	M-NET supply unit	
PIV				26	StrtUpUn	Start-up unit	
AI				27	SCo	Heat exchanger outlet subcooling [°C]	
AI				28	SHb	Coil bypass outlet superheat [°C]	
AI				29	Tc	Condensing temperature [°C]	
AI				30	Te	Evaporating temperature [°C]	
AI				31	THHS	Thermistor 9 [°C]	
AI				32	THBOX	Thermistor in box [°C]	
IV				33	AK	Heat exchanger capacity	
AI				34	RotTm	Rotation timer	
BI				35	SV1a	SV1(A)/SV1a	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI				36	Dmnd	Demand	
BI				37	Dmnd2	Demand2	
BI				38	Ngt	Night	
BI				39	Ngt2	Night2	
BI				40	Snow	Snow	
BI				41	21S4a	21S4a	
BI				42	21S4b	21S4b	
BI				43	SV5b	SV5b	
BI				44	AF	Active Filter	
BI				45	WM	WM	
BI				46	Rep	Repeater output	
BI				47	72C	72C	
BI				48	CompOn	Comp ON	
BI				49	M-NetSup	M-NET supply	
BI				50	CH11	CH11	
BI				51	52F	52F	

• PUHY-P [capacity] SDM-G/...

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH5	Thermistor 5 [°C]		
AI			21	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			22	TH7	Thermistor 7 [°C]		
AI			23	FAN-Ver	Fan1 SW version		
PIV			24	Save	Capacity save signal [%]		
PIV			25	OpeS	Operation Status		
PIV			26	Attr	Attribute (OC/OS identification)		
AI			27	SCo	Heat exchanger outlet subcooling [°C]		
AI			28	SHb	Coil bypass outlet superheat [°C]		
AI			29	Tc	Condensing temperature [°C]		
AI			30	Te	Evaporating temperature [°C]		
AI			31	THHS	Thermistor 9 [°C]		
AI			32	THBOX	Thermistor in box [°C]		
IV			33	AK	Heat exchanger capacity		
AI			34	RotTm	Rotation timer		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			35	SV1a	SV1(A)/SV1a		
BI			36	Dmnd	Demand		
BI			37	Dmnd2	Demand2		
BI			38	Ngt	Night		
BI			39	Ngt2	Night2		
BI			40	Snow	Snow		
BI			41	21S4a	21S4a		
BI			42	21S4b	21S4b		
BI			43	SV5b	SV5b		
BI			44	AF	Active Filter		
BI			45	WM	WM		
BI			46	Rep	Repeater output		
BI			47	72C	72C		
BI			48	CompOn	Comp ON		
BI			49	M-NetSup	M-NET supply		
BI			50	CH11	CH11		

• PUHY-P [capacity] SDM-G/...

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH5	Thermistor 5 [°C]		
AI			21	TH7	Thermistor 7 [°C]		
AI			22	FAN-Ver	Fan1 SW version		
PIV			23	Save	Capacity save signal [%]		
PIV			24	OpeS	Operation Status		
PIV			25	Attr	Attribute (OC/OS identification)		
AI			26	SCo	Heat exchanger outlet subcooling [°C]		
AI			27	SHb	Coil bypass outlet superheat [°C]		
AI			28	Tc	Condensing temperature [°C]		
AI			29	Te	Evaporating temperature [°C]		
AI			30	THHS	Thermistor 9 [°C]		
AI			31	THBOX	Thermistor in box [°C]		
IV			32	AK	Heat exchanger capacity		
AI			33	RotTm	Rotation timer		
BI			34	SV1a	SV1(A)/SV1a		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI				35		Dmnd	Demand
BI				36		Dmnd2	Demand2
BI				37		Ngt	Night
BI				38		Ngt2	Night2
BI				39		Snow	Snow
BI				40		21S4a	21S4a
BI				41		21S4b	21S4b
BI				42		SV5b	SV5b
BI				43		AF	Active Filter
BI				44		WM	WM
BI				45		Rep	Repeater output
BI				46		72C	72C
BI				47		CompOn	Comp ON
BI				48		M-NetSup	M-NET supply
BI				49		CH11	CH11
BI				50		52F	52F

• PUHY-P [capacity] SDM*/...

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	Vdc	COMP bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63LS	63LS Pressure sensor [kg/cm2]		
AI			18	TH2	Thermistor 2 [°C]		
AI			19	TH3	Thermistor 3 [°C]		
AI			20	TH4	Thermistor 4 [°C]		
AI			21	TH5	Thermistor 5 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			23	TH7	Thermistor 7 [°C]		
AI			24	FAN-Ver	Fan1 SW version		
PIV			25	Save	Capacity save signal [%]		
PIV			26	OpeS	Operation Status		
PIV			27	Attr	Attribute (OC/OS identification)		
PIV			28	M-NetSupUn	M-NET supply unit		
PIV			29	StrtUpUn	Start-up unit		
AI			30	SCo	Heat exchanger outlet subcooling [°C]		
AI			31	SHb	Coil bypass outlet superheat [°C]		
AI			32	Tc	Condensing temperature [°C]		
AI			33	Te	Evaporating temperature [°C]		
AI			34	THHS	Thermistor 9 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI	35				THBOX	Thermistor in box [°C]	
IV	36				AK	Heat exchanger capacity	
AI	37				RotTm	Rotation timer	
BI	38				SV1a	SV1(A)/SV1a	
BI	39				Dmnd	Demand	
BI	40				Dmnd2	Demand2	
BI	41				Ngt	Night	
BI	42				Ngt2	Night2	
BI	43				Snow	Snow	
BI	44				21S4a	21S4a	
BI	45				21S4b	21S4b	
BI	46				SV5b	SV5b	
BI	47				AF	Active Filter	
BI	48				WM	WM	
BI	49				Rep	Repeater output	
BI	50				72C	72C	
BI	51				CompOn	Comp ON	
BI	52				M-NetSup	M-NET supply	
BI	53				CH11	CH11	
BI	54				52F	52F	

• PUHY-P [capacity] YKB

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				CtrlM	Control Mode	
PIV	02				OpeM	Operation Mode	
PIV	03				F1	Temporary frequency of No.1 COMP [Hz]	
PIV	04				Fos	Temporary frequency [Hz]	
PIV	05				FAN	Fan output [Hz]	
IV	06				QjC	Total capacity Cool	
IV	07				QjH	Total capacity Heat	
PIV	08				LEV1	LEV1 Linear expansion valve [pls]	
PIV	09				LEV2a	LEV2a [pls]	
AI	10				Idc	Direct current [A]	
AI	11				Iu	U-Phase current effective value [A]	
AI	12				Iw	W-Phase current effective value [A]	
PIV	13				AL	AL	
PIV	14				FAN(rpm)	FAN(rpm) [rpm]	
IV	15				Vdc	Bus voltage [V]	
PIV	16				LEV2b	LEV2b [pls]	
AI	17				63HS1	63HS1 Pressure sensor [kg/cm2]	
AI	18				63LS	63LS Pressure sensor [kg/cm2]	
AI	19				TH2	Thermistor 2 [°C]	
AI	20				TH3	Thermistor 3 [°C]	
AI	21				TH4	Thermistor 4 [°C]	
AI	22				TH5	Thermistor 5 [°C]	
AI	23				TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI	24				TH7	Thermistor 7 [°C]	
AI	25				TH9	Thermistor 9 [°C]	
AI	26				TH11	Thermistor 11 [°C]	
AI	27				FAN-Ver	Fan1 SW version	
PIV	28				Save	Capacity save signal [%]	
PIV	29				OpeS	Operation Status	
PIV	30				Attr	Attribute (OC/OS identification)	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			31	SCo	Heat exchanger outlet subcooling [°C]		
AI			32	SCc	Coil outlet subcooling [°C]		
AI			33	SHb	Coil bypass outlet superheat [°C]		
AI			34	Tc	Condensing temperature [°C]		
AI			35	Te	Evaporating temperature [°C]		
AI			36	THHS	Thermistor 9 [°C]		
IV			37	AK	Heat exchanger capacity		
BI			38	Dmnd	Demand		
BI			39	SV1a	SV1(A)/SV1a		
BI			40	Dmnd2	Demand2		
BI			41	Snow	Snow		
BI			42	Ng1	Night		
BI			43	Ng12	Night2		
BI			44	21S4a	21S4a		
BI			45	21S4b	21S4b		
BI			46	IH	IH		
BI			47	H-Def1	H-Def1		
BI			48	H-Def2	H-Def2		
PIV			49	FAN-Fr	Fan1 run status		
BI			50	AF	Active Filter		
BI			51	Pwr	Power source frequency		
BI			52	WM	WM		
BI			53	Rep	Repeater output		
BI			54	72C	72C		
BI			55	CompOn	Comp ON		
BI			56	M-NetSup	M-NET supply		
BI			57	SV9	SV9		
BI			58	SV10	SV10		
BI			59	SV11	SV11		

• PUHY-HRP [capacity] SDM*/...

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2a	LEV2a [pls]		
PIV			10	LEV4	Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
AI			16	Vdc	COMP bus voltage [V]		
AI			17	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH2	Thermistor 2 [°C]		
AI			21	TH3	Thermistor 3 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH5	Thermistor 5 [°C]		
AI			24	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			25	TH7	Thermistor 7 [°C]		
AI			26	FAN-Ver	Fan1 SW version		
PIV			27	Save	Capacity save signal [%]		
PIV			28	OpeS	Operation Status		
PIV			29	Attr	Attribute (OC/OS identification)		
AI			30	SCo	Heat exchanger outlet subcooling [°C]		
AI			31	SCc	Coil outlet subcooling [°C]		
AI			32	SHb	Coil bypass outlet superheat [°C]		
AI			33	Tc	Condensing temperature [°C]		
AI			34	Te	Evaporating temperature [°C]		
AI			35	THHS	Thermistor 9 [°C]		
IV			36	AK	Heat exchanger capacity		
AI			37	RotTm	Rotation timer		
BI			38	SV1a	SV1(A)/SV1a		
BI			39	Dmnd	Demand		
BI			40	Dmnd2	Demand2		
BI			41	Ngt	Night		
BI			42	Ngt2	Night2		
BI			43	Snow	Snow		
BI			44	21S4a	21S4a		
BI			45	SV9	SV9		
BI			46	SV2	SV2		
BI			47	SV6	SV6		
BI			48	IH	IH		
PIV			49	FAN-Fr	Fan1 run status		
BI			50	AF	Active Filter		
BI			51	Pwr	Power source frequency		
BI			52	WM	WM		
BI			53	Rep	Repeater output		
BI			54	72C	72C		
BI			55	CompOn	Comp ON		
BI			56	M-NetSup	M-NET supply		
BI			57	SV8	SV8		

• PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
AI			15			LA	LA
PIV			16			FAN(rpm)	FAN(rpm) [rpm]
AI			17			Vdc	COMP bus voltage [V]
AI			18			63HS1	63HS1 Pressure sensor [kg/cm2]
AI			19			63LS	63LS Pressure sensor [kg/cm2]
AI			20			TH2	Thermistor 2 [°C]
AI			21			TH3	Thermistor 3 [°C]
AI			22			TH4	Thermistor 4 [°C]
AI			23			TH5	Thermistor 5 [°C]
AI			24			TH6	Inlet pipe temperature of the heat exchanger [°C]
AI			25			TH7	Thermistor 7 [°C]
AI			26			FAN-Ver	Fan1 SW version
PIV			27			Save	Capacity save signal [%]
PIV			28			OpeS	Operation Status
PIV			29			Attr	Attribute (OC/OS identification)
PIV			30			M-NetSupUn	M-NET supply unit
PIV			31			StrtUpUn	Start-up unit
AI			32			SCo	Heat exchanger outlet subcooling [°C]
AI			33			SCc	Coil outlet subcooling [°C]
AI			34			SHb	Coil bypass outlet superheat [°C]
AI			35			Tc	Condensing temperature [°C]
AI			36			Te	Evaporating temperature [°C]
AI			37			THHS	Thermistor 9 [°C]
IV			38			AK	Heat exchanger capacity
AI			39			RotTm	Rotation timer
BI			40			Dmnd	Demand
BI			41			SV1a	SV1(A)/SV1a
BI			42			Dmnd2	Demand2
BI			43			Snow	Snow
BI			44			Ng1	Night
BI			45			Ng12	Night2
BI			46			21S4a	21S4a
BI			47			21S4b	21S4b
BI			48			SV5b	SV5b
PIV			49			FAN-Fr	Fan1 run status
BI			50			AF	Active Filter
BI			51			Pwr	Power source frequency
BI			52			WM	WM
BI			53			Rep	Repeater output
BI			54			72C	72C
BI			55			CompOn	Comp ON
BI			56			M-NetSup	M-NET supply
BI			57			SV9	SV9
BI			58			SV2	SV2

• PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LA	LA		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
PIV			17	FAN2(rpm)	FAN2(rpm) [rpm]		
AI			18	Vdc	COMP bus voltage [V]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH2	Thermistor 2 [°C]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		
AI			25	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			26	TH7	Thermistor 7 [°C]		
AI			27	FAN-Ver	Fan1 SW version		
PIV			28	Save	Capacity save signal [%]		
PIV			29	OpeS	Operation Status		
PIV			30	Attr	Attribute (OC/OS identification)		
PIV			31	M-NetSupUn	M-NET supply unit		
PIV			32	StrtUpUn	Start-up unit		
AI			33	FAN2-Ver	Fan2 SW version		
AI			34	SCo	Heat exchanger outlet subcooling [°C]		
AI			35	SCc	Coil outlet subcooling [°C]		
AI			36	SHb	Coil bypass outlet superheat [°C]		
AI			37	Tc	Condensing temperature [°C]		
AI			38	Te	Evaporating temperature [°C]		
AI			39	THHS	Thermistor 9 [°C]		
IV			40	AK	Heat exchanger capacity		
AI			41	RotTm	Rotation timer		
BI			42	Dmnd	Demand		
BI			43	SV1a	SV1(A)/SV1a		
BI			44	Dmnd2	Demand2		
BI			45	Snow	Snow		
BI			46	Ngt	Night		
BI			47	Ngt2	Night2		
BI			48	21S4a	21S4a		
BI			49	21S4b	21S4b		
BI			50	21S4c	21S4c		
BI			51	SV5b	SV5b		
BI			52	SV5c	SV5c		
BI			53	SV9	SV9		
BI			54	SV2	SV2		
PIV			55	FAN-Fr	Fan1 run status		
PIV			56	FAN2-Fr	Fan2 run status		
BI			57	AF	Active Filter		
BI			58	Pwr	Power source frequency		
BI			59	WM	WM		
BI			60	Rep	Repeater output		
BI			61	72C	72C		
BI			62	CompOn	Comp ON		
BI			63	M-NetSup	M-NET supply		



• PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
PIV				03	F1	Temporary frequency of No.1 COMP [Hz]	
PIV				04	Fos	Temporary frequency [Hz]	
PIV				05	FAN	Fan output [Hz]	
IV				06	QjC	Total capacity Cool	
IV				07	QjH	Total capacity Heat	
PIV				08	LEV1	LEV1 Linear expansion valve [pls]	
PIV				09	LEV2	LEV2 Linear expansion valve [pls]	
AI				10	Idc	Direct current [A]	
AI				11	Iu	U-Phase current effective value [A]	
AI				12	Iw	W-Phase current effective value [A]	
PIV				13	AL	AL	
PIV				14	FAN(rpm)	FAN(rpm) [rpm]	
AI				15	Vdc	COMP bus voltage [V]	
AI				16	63HS1	63HS1 Pressure sensor [kg/cm2]	
AI				17	63LS	63LS Pressure sensor [kg/cm2]	
AI				18	TH2	Thermistor 2 [°C]	
AI				19	TH3	Thermistor 3 [°C]	
AI				20	TH4	Thermistor 4 [°C]	
AI				21	TH5	Thermistor 5 [°C]	
AI				22	TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI				23	TH7	Thermistor 7 [°C]	
AI				24	FAN-Ver	Fan1 SW version	
PIV				25	Save	Capacity save signal [%]	
PIV				26	OpeS	Operation Status	
PIV				27	Attr	Attribute (OC/OS identification)	
AI				28	SCo	Heat exchanger outlet subcooling [°C]	
AI				29	SCc	Coil outlet subcooling [°C]	
AI				30	SHb	Coil bypass outlet superheat [°C]	
AI				31	Tc	Condensing temperature [°C]	
AI				32	Te	Evaporating temperature [°C]	
AI				33	THHS	Thermistor 9 [°C]	
IV				34	AK	Heat exchanger capacity	
AI				35	RotTm	Rotation timer	
BI				36	Dmnd	Demand	
BI				37	SV1a	SV1(A)/SV1a	
BI				38	Dmnd2	Demand2	
BI				39	Snow	Snow	
BI				40	Ngt	Night	
BI				41	Ngt2	Night2	
BI				42	21S4a	21S4a	
BI				43	21S4b	21S4b	
BI				44	SV5b	SV5b	
PIV				45	FAN-Fr	Fan1 run status	
BI				46	AF	Active Filter	
BI				47	Pwr	Power source frequency	
BI				48	WM	WM	
BI				49	Rep	Repeater output	
BI				50	72C	72C	
BI				51	CompOn	Comp ON	
BI				52	M-NetSup	M-NET supply	
BI				53	SV9	SV9	
BI				54	SV2	SV2	



• PUHY-EP [capacity] YNW-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		
AI			06	TH7	Thermistor 7 [°C]		
AI			07	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			08	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			09	63LS	63LS Pressure sensor [kg/cm2]		
AI			10	THHS	Thermistor 9 [°C]		
AI			11	Tc	Condensing temperature [°C]		
AI			12	Te	Evaporating temperature [°C]		
IV			13	Vdc	Bus voltage [V]		
AI			14	Iu	U-Phase current effective value [A]		
AI			15	Iw	W-Phase current effective value [A]		
IV			16	F(Hz)	All temporary frequencies [Hz]		
PIV			17	FAN	Fan output [Hz]		
PIV			18	Foc	Temporary frequency [Hz]		
IV			19	QjC	Total capacity Cool		
IV			20	QjH	Total capacity Heat		
AI			21	SCo	Heat exchanger outlet subcooling [°C]		
AI			22	SCc	Coil outlet subcooling [°C]		
AI			23	SHb	Coil bypass outlet superheat [°C]		
PIV			24	LEV1	LEV1 Linear expansion valve [pls]		
BI			25	Dmnd	Demand		
BI			26	SV1a	SV1(A)/SV1a		
BI			27	Dmnd2	Demand2		
BI			28	Snow	Snow		
BI			29	Ngt	Night		
BI			30	Ngt2	Night2		
BI			31	21S4a	21S4a		
BI			32	21S4b	21S4b		
BI			33	SV9	SV9		
BI			34	SV2a	SV2a		
BI			35	SV10	SV10		
BI			36	SV14	SV14		
BI			37	SV15	SV15		
BI			38	IH	IH		
BI			39	H-Def1	H-Def1		
BI			40	H-Def2	H-Def2		
AI			41	TH15	Thermistor 15 [°C]		
AI			42	THHS(FAN1)	THHS(FAN1) [°C]		
AI			43	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			44	FAN(rpm)	FAN(rpm) [rpm]		
PIV			45	FAN2	FAN2		
PIV			46	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			47	LEV2a	LEV2a [pls]		
PIV			48	LEV2b	LEV2b [pls]		
PIV			49	LEV9	LEV9 [pls]		
PIV			50	OpeM	Operation Mode		
PIV			51	CtrlM	Control Mode		

• PUHY-EP [capacity] YNW-A



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV	00		Type	Outdoor Unit Type Name			
AI	01		TH2	Thermistor 2 [°C]			
AI	02		TH3	Thermistor 3 [°C]			
AI	03		TH4	Thermistor 4 [°C]			
AI	04		TH5	Thermistor 5 [°C]			
AI	05		TH6	Thermistor 6 [°C]			
AI	06		TH7	Thermistor 7 [°C]			
AI	07		63HS1	63HS1 Pressure sensor [kg/cm2]			
AI	08		63HS2	63HS2 Pressure sensor [kg/cm2]			
AI	09		63LS	63LS Pressure sensor [kg/cm2]			
AI	10		THHS	Thermistor 9 [°C]			
AI	11		Tc	Condensing temperature [°C]			
AI	12		Te	Evaporating temperature [°C]			
IV	13		Vdc	Bus voltage [V]			
AI	14		Iu	U-Phase current effective value [A]			
AI	15		Iw	W-Phase current effective value [A]			
PIV	16		FAN	Fan output [Hz]			
IV	17		QjC	Total capacity Cool			
IV	18		QjH	Total capacity Heat			
AI	19		SCo	Heat exchanger outlet subcooling [°C]			
AI	20		SCc	Coil outlet subcooling [°C]			
AI	21		SHb	Coil bypass outlet superheat [°C]			
PIV	22		LEV1	LEV1 Linear expansion valve [pls]			
BI	23		Dmnd	Demand			
BI	24		SV1a	SV1(A)/SV1a			
BI	25		Dmnd2	Demand2			
BI	26		Snow	Snow			
BI	27		Ngt	Night			
BI	28		Ngt2	Night2			
BI	29		21S4a	21S4a			
BI	30		21S4b	21S4b			
BI	31		SV9	SV9			
BI	32		SV2a	SV2a			
BI	33		SV10	SV10			
BI	34		SV14	SV14			
BI	35		SV15	SV15			
BI	36		IH	IH			
BI	37		H-Def1	H-Def1			
BI	38		H-Def2	H-Def2			
PIV	39		Fos	Temporary frequency [Hz]			
AI	40		TH15	Thermistor 15 [°C]			
AI	41		THHS(FAN1)	THHS(FAN1) [°C]			
AI	42		THHS(FAN2)	THHS(FAN2) [°C]			
PIV	43		FAN(rpm)	FAN(rpm) [rpm]			
PIV	44		FAN2	FAN2			
PIV	45		FAN2(rpm)	FAN2(rpm) [rpm]			
PIV	46		LEV2a	LEV2a [pls]			
PIV	47		LEV2b	LEV2b [pls]			
PIV	48		LEV9	LEV9 [pls]			
PIV	49		OpeM	Operation Mode			
PIV	50		CtrlM	Control Mode			

- PUHY-P [capacity] YNW-A



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
AI				01	TH2	Thermistor 2 [°C]	
AI				02	TH3	Thermistor 3 [°C]	
AI				03	TH4	Thermistor 4 [°C]	
AI				04	TH5	Thermistor 5 [°C]	
AI				05	TH6	Thermistor 6 [°C]	
AI				06	TH7	Thermistor 7 [°C]	
AI				07	TH9	Thermistor 9 [°C]	
AI				08	TH11	Thermistor 11 [°C]	
AI				09	TH12	Thermistor 12 [°C]	
AI				10	63HS1	63HS1 Pressure sensor [kg/cm2]	
AI				11	63HS2	63HS2 Pressure sensor [kg/cm2]	
AI				12	63LS	63LS Pressure sensor [kg/cm2]	
AI				13	THHS	Thermistor 9 [°C]	
AI				14	Tc	Condensing temperature [°C]	
AI				15	Te	Evaporating temperature [°C]	
IV				16	Vdc	Bus voltage [V]	
AI				17	Iu	U-Phase current effective value [A]	
AI				18	Iw	W-Phase current effective value [A]	
IV				19	F(Hz)	All temporary frequencies [Hz]	
PIV				20	FAN	Fan output [Hz]	
PIV				21	Foc	Temporary frequency [Hz]	
IV				22	QjC	Total capacity Cool	
IV				23	QjH	Total capacity Heat	
AI				24	SCo	Heat exchanger outlet subcooling [°C]	
AI				25	SCc	Coil outlet subcooling [°C]	
AI				26	SHb	Coil bypass outlet superheat [°C]	
PIV				27	LEV1	LEV1 Linear expansion valve [pls]	

• **PUHY-M [capacity] YNW-A1**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV4	Linear expansion valve [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		
PIV			18	FAN-Fr	Fan1 run status		
IV			19	Vdc	Bus voltage [V]		
PIV			20	LEV2b	LEV2b [pls]		
PIV			21	LEV9	LEV9 [pls]		
AI			22	63HS1	63HS1 Pressure sensor [kg/cm2]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			23	63LS	63LS Pressure sensor [kg/cm2]		
AI			24	TH2	Thermistor 2 [°C]		
AI			25	TH3	Thermistor 3 [°C]		
AI			26	TH4	Thermistor 4 [°C]		
AI			27	TH5	Thermistor 5 [°C]		
AI			28	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			29	TH7	Thermistor 7 [°C]		
AI			30	TH15	Thermistor 15 [°C]		
AI			31	FAN-Ver	Fan1 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		
PIV			35	M-NetSupUn	M-NET supply unit		
PIV			36	StrtUpUn	Start-up unit		
BI			37	AF	Active Filter		
AI			38	SCo	Heat exchanger outlet subcooling [°C]		
AI			39	SCc	Coil outlet subcooling [°C]		
AI			40	SHb	Coil bypass outlet superheat [°C]		
AI			41	Tc	Condensing temperature [°C]		
AI			42	Te	Evaporating temperature [°C]		
AI			43	THHS	Thermistor 9 [°C]		
BI			44	21S4a	21S4a		
BI			45	21S4b	21S4b		
BI			46	SV1a	SV1(A)/SV1a		
BI			47	SV2	SV2		
BI			48	SV9	SV9		
BI			49	SV10	SV10		
IV			50	AK	Heat exchanger capacity		
PIV			51	Err	Error code		
PIV			52	ErrDet	Error detail code		
PIV			53	ErrSrc	Error source address		
PIV			54	MntErr	Maintenance error code		
PIV			55	MntErrDet	Maintenance error detail code		
PIV			56	MntErrSrc	Maintenance error source address		
PIV			57	PrelErr	Preliminary error code		
PIV			58	PrelErrDet	Preliminary error detail code		
PIV			59	PrelErrSrc	Preliminary error source address		
AI			60	THHS(FAN1)	THHS(FAN1) [°C]		
BI			61	Dmnd	Demand		
BI			62	Dmnd2	Demand2		
BI			63	Ngt	Night		
BI			64	Ngt2	Night2		
BI			65	Snow	Snow		
BI			66	Pwr	Power source frequency		
BI			67	WM	WM		
AI			68	RotTm	Rotation timer		
BI			69	Rep	Repeater output		
BI			70	72C	72C		
BI			71	CompOn	Comp ON		
BI			72	M-NetSup	M-NET supply		
BI			73	IH	IH		
BI			74	H-Def1	H-Def1		
BI			75	H-Def2	H-Def2		

- PUHY-P [capacity] YNW-A/A1(-**)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	LA	LA		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			17	FAN2	FAN2		
IV			18	Vdc	Bus voltage [V]		
PIV			19	LEV2b	LEV2b [pls]		
PIV			20	LEV2c	LEV2c [pls]		
PIV			21	LEV9	LEV9 [pls]		
AI			22	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			23	63LS	63LS Pressure sensor [kg/cm2]		
AI			24	TH2	Thermistor 2 [°C]		
AI			25	TH3	Thermistor 3 [°C]		
AI			26	TH4	Thermistor 4 [°C]		
AI			27	TH5	Thermistor 5 [°C]		
AI			28	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			29	TH7	Thermistor 7 [°C]		
AI			30	TH15	Thermistor 15 [°C]		
AI			31	FAN-Ver	Fan1 SW version		
AI			32	FAN2-Ver	Fan2 SW version		
PIV			33	Save	Capacity save signal [%]		
PIV			34	OpeS	Operation Status		
PIV			35	Attr	Attribute (OC/OS identification)		
PIV			36	M-NetSupUn	M-NET supply unit		
PIV			37	StrtUpUn	Start-up unit		
AI			38	SCo	Heat exchanger outlet subcooling [°C]		
AI			39	SCc	Coil outlet subcooling [°C]		
AI			40	SHb	Coil bypass outlet superheat [°C]		
AI			41	Tc	Condensing temperature [°C]		
AI			42	Te	Evaporating temperature [°C]		
AI			43	THHS	Thermistor 9 [°C]		
IV			44	AK	Heat exchanger capacity		
AI			45	THHS(FAN1)	THHS(FAN1) [°C]		
AI			46	THHS(FAN2)	THHS(FAN2) [°C]		
AI			47	RotTm	Rotation timer		
PIV			48	Err	Error code		
PIV			49	ErrDet	Error detail code		
PIV			50	ErrSrc	Error source address		
PIV			51	MntErr	Maintenance error code		
PIV			52	MntErrDet	Maintenance error detail code		
PIV			53	MntErrSrc	Maintenance error source address		
PIV			54	PreIErr	Preliminary error code		
PIV			55	PreIErrDet	Preliminary error detail code		
PIV			56	PreIErrSrc	Preliminary error source address		
PIV			57	DtaColl	Data collection		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			58	Dmnd	Demand		
BI			59	SV1a	SV1(A)/SV1a		
BI			60	Dmnd2	Demand2		
BI			61	Snow	Snow		
BI			62	Ngt	Night		
BI			63	Ngt2	Night2		
BI			64	21S4a	21S4a		
BI			65	21S4b	21S4b		
BI			66	21S4c	21S4c		
BI			67	IH	IH		
BI			68	H-Def1	H-Def1		
BI			69	H-Def2	H-Def2		
PIV			70	FAN-Fr	Fan1 run status		
PIV			71	FAN2-Fr	Fan2 run status		
BI			72	AF	Active Filter		
BI			73	Pwr	Power source frequency		
BI			74	WM	WM		
BI			75	Rep	Repeater output		
BI			76	72C	72C		
BI			77	CompOn	Comp ON		
BI			78	M-NetSup	M-NET supply		
BI			79	SV9	SV9		
BI			80	SV2	SV2		
BI			81	SV10	SV10		
BI			82	SV11	SV11		

• PUHY-P [capacity] YNW-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		
AI			06	TH7	Thermistor 7 [°C]		
AI			07	TH9	Thermistor 9 [°C]		
AI			08	TH11	Thermistor 11 [°C]		
AI			09	TH12	Thermistor 12 [°C]		
AI			10	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			11	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			12	63LS	63LS Pressure sensor [kg/cm2]		
AI			13	THHS	Thermistor 9 [°C]		
AI			14	Tc	Condensing temperature [°C]		
AI			15	Te	Evaporating temperature [°C]		
IV			16	Vdc	Bus voltage [V]		
AI			17	Iu	U-Phase current effective value [A]		
AI			18	Iw	W-Phase current effective value [A]		
PIV			19	FAN	Fan output [Hz]		
IV			20	QjC	Total capacity Cool		
IV			21	QjH	Total capacity Heat		
AI			22	SCo	Heat exchanger outlet subcooling [°C]		
AI			23	SCc	Coil outlet subcooling [°C]		
AI			24	SHb	Coil bypass outlet superheat [°C]		
PIV			25	LEV1	LEV1 Linear expansion valve [pls]		



• PUHY-P [capacity] YNW-A/A1(-**)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2a	LEV2a [pls]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
PIV			13	FAN(rpm)	FAN(rpm) [rpm]		
PIV			14	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			15	FAN-Fr	Fan1 run status		
PIV			16	FAN2-Fr	Fan2 run status		
PIV			17	FAN2	FAN2		
IV			18	Vdc	Bus voltage [V]		
PIV			19	LEV2b	LEV2b [pls]		
PIV			20	LEV9	LEV9 [pls]		
AI			21	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			22	63LS	63LS Pressure sensor [kg/cm2]		
AI			23	TH2	Thermistor 2 [°C]		
AI			24	TH3	Thermistor 3 [°C]		
AI			25	TH4	Thermistor 4 [°C]		
AI			26	TH5	Thermistor 5 [°C]		
AI			27	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			28	TH7	Thermistor 7 [°C]		
AI			29	TH15	Thermistor 15 [°C]		
AI			30	FAN-Ver	Fan1 SW version		
AI			31	FAN2-Ver	Fan2 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		
AI			35	SCo	Heat exchanger outlet subcooling [°C]		
AI			36	SCc	Coil outlet subcooling [°C]		
AI			37	SHb	Coil bypass outlet superheat [°C]		
AI			38	Tc	Condensing temperature [°C]		
AI			39	Te	Evaporating temperature [°C]		
AI			40	THHS	Thermistor 9 [°C]		
IV			41	AK	Heat exchanger capacity		
AI			42	THHS(FAN1)	THHS(FAN1) [°C]		
AI			43	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			44	Err	Error code		
PIV			45	ErrDet	Error detail code		
PIV			46	ErrSrc	Error source address		
PIV			47	MntErr	Maintenance error code		
PIV			48	MntErrDet	Maintenance error detail code		
PIV			49	MntErrSrc	Maintenance error source address		
PIV			50	PrelErr	Preliminary error code		
PIV			51	PrelErrDet	Preliminary error detail code		
PIV			52	PrelErrSrc	Preliminary error source address		
BI			53	Dmnd	Demand		
BI			54	SV1a	SV1(A)/SV1a		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	55					Dmnd2	Demand2
BI	56					Snow	Snow
BI	57					Ngt	Night
BI	58					Ngt2	Night2
BI	59					21S4a	21S4a
BI	60					21S4b	21S4b
BI	61					IH	IH
BI	62					H-Def1	H-Def1
BI	63					H-Def2	H-Def2
BI	64					AF	Active Filter
BI	65					Pwr	Power source frequency
BI	66					WM	WM
BI	67					Rep	Repeater output
BI	68					72C	72C
BI	69					CompOn	Comp ON
BI	70					M-NetSup	M-NET supply
BI	71					SV9	SV9
BI	72					SV2	SV2
BI	73					SV10	SV10

• PUHY-P [capacity] TGMU-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode
PIV	02					OpeM	Operation Mode
IV	03					F(Hz)	All temporary frequencies [Hz]
PIV	04					FAN	Fan output [Hz]
PIV	05					QjC	Total capacity Cool
PIV	06					QjH	Total capacity Heat
PIV	07					LEV1	LEV1 Linear expansion valve [pls]
AI	08					Idc	Direct current [A]
AI	09					Iu	U-Phase current effective value [A]
AI	10					Iw	W-Phase current effective value [A]
AI	11					Vdc	COMP bus voltage [V]
AI	12					63HS	High pressure sensor [kg/cm2]
AI	13					63LS	63LS Pressure sensor [kg/cm2]
AI	14					TH5	Thermistor 5 [°C]
AI	15					TH6	Thermistor 6 [°C]
AI	16					TH7	Thermistor 7 [°C]
AI	17					TH8	Thermistor 8 [°C]
AI	18					TH11	Thermistor 11 [°C]
AI	19					TH12	Thermistor 12 [°C]
AI	20					FAN-Ver	Fan1 SW version
PIV	21					Save	Capacity save signal [%]
AI	22					SCo	Heat exchanger outlet subcooling [°C]
AI	23					SCc	Coil outlet subcooling [°C]
AI	24					SHb	Coil bypass outlet superheat [°C]
AI	25					Tc	Condensing temperature [°C]
AI	26					Te	Evaporating temperature [°C]
AI	27					THHS1	THHS1 [°C]
AI	28					THHS5	THHS5 [°C]
PIV	29					F1	Temporary frequency of No.1 COMP [Hz]
PIV	30					F2	F2 [Hz]
IV	31					AK	Heat exchanger capacity



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	32					Dmnd	Demand
BI	33					SV1	SV1
BI	34					Dmnd2	Demand2
BI	35					Snow	Snow
BI	36					NgT	Night
BI	37					21S4a	21S4a
BI	38					21S4b	21S4b
BI	39					SV5b	SV5b
BI	40					Pwr	Power source frequency
BI	41					Rep	Repeater output
BI	42					52F	52F
BI	43					LEV3	LEV3 Pulse [pls]

• PUHY-P [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					CtrlM	Control Mode
PIV	02					OpeM	Operation Mode
IV	03					F(Hz)	All temporary frequencies [Hz]
PIV	04					FAN	Fan output [Hz]
PIV	05					QcC	Total capacity Cool
PIV	06					QhH	Total capacity Heat
PIV	07					LEV1	LEV1 Linear expansion valve [pls]
AI	08					Idc	Direct current [A]
AI	09					Iu	U-Phase current effective value [A]
AI	10					Iw	W-Phase current effective value [A]
AI	11					Vdc	COMP bus voltage [V]
AI	12					63HS	High pressure sensor [kg/cm2]
AI	13					63LS	63LS Pressure sensor [kg/cm2]
AI	14					TH5	Thermistor 5 [°C]
AI	15					TH6	Inlet pipe temperature of the heat exchanger [°C]
AI	16					TH7	Thermistor 7 [°C]
AI	17					TH8	Thermistor 8 [°C]
AI	18					TH11	Thermistor 11 [°C]
AI	19					FAN-Ver	Fan1 SW version
PIV	20					Save	Capacity save signal [%]
AI	21					SCo	Heat exchanger outlet subcooling [°C]
AI	22					SCc	Coil outlet subcooling [°C]
AI	23					SHb	Coil bypass outlet superheat [°C]
AI	24					Tc	Condensing temperature [°C]
AI	25					Te	Evaporating temperature [°C]
AI	26					THHS1	THHS1 [°C]
AI	27					THHS5	THHS5 [°C]
BI	28					Dmnd	Demand
BI	29					SV1	SV1
BI	30					Dmnd2	Demand2
BI	31					Snow	Snow
BI	32					Ngt	Night
BI	33					21S4a	21S4a

• PUHY-P [capacity]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				04	FAN	Fan output [Hz]	
PIV				05	QjC	Total capacity Cool	
PIV				06	QjH	Total capacity Heat	
PIV				07	LEV1	LEV1 Linear expansion valve [pls]	
AI				08	Idc	Direct current [A]	
AI				09	Iu	U-Phase current effective value [A]	
AI				10	Iw	W-Phase current effective value [A]	
AI				11	Vdc	COMP bus voltage [V]	
AI				12	63HS	High pressure sensor [kg/cm2]	
AI				13	63LS	63LS Pressure sensor [kg/cm2]	
AI				14	TH5	Thermistor 5 [°C]	
AI				15	TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI				16	TH7	Thermistor 7 [°C]	
AI				17	TH8	Thermistor 8 [°C]	
AI				18	TH11	Thermistor 11 [°C]	
AI				19	FAN-Ver	Fan1 SW version	
PIV				20	Save	Capacity save signal [%]	
AI				21	SCo	Heat exchanger outlet subcooling [°C]	
AI				22	SCc	Coil outlet subcooling [°C]	
AI				23	SHb	Coil bypass outlet superheat [°C]	
AI				24	Tc	Condensing temperature [°C]	
AI				25	Te	Evaporating temperature [°C]	
AI				26	THHS1	THHS1 [°C]	
AI				27	THHS5	THHS5 [°C]	
BI				28	Dmnd	Demand	
BI				29	SV1	SV1	
BI				30	Dmnd2	Demand2	
BI				31	Snow	Snow	
BI				32	Ngt	Night	
BI				33	21S4a	21S4a	
BI				34	21S4b	21S4b	
BI				35	SV5b	SV5b	

• PUHY-P [capacity] CM-E(1)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		VA	Index			
AI				15	63HS1	63HS1 Pressure sensor [kg/cm2]	
AI				16	63LS	63LS Pressure sensor [kg/cm2]	
AI				17	TH2	Thermistor 2 [°C]	
AI				18	TH3	Thermistor 3 [°C]	
AI				19	TH4	Thermistor 4 [°C]	
AI				20	TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI				21	TH7	Thermistor 7 [°C]	
AI				22	FAN-Ver	Fan1 SW version	
PIV				23	Save	Capacity save signal [%]	
PIV				24	OpeS	Operation Status	
PIV				25	Attr	Attribute (OC/OS identification)	
PIV				26	M-NetSupUn	M-NET supply unit	
PIV				27	StrtUpUn	Start-up unit	
AI				28	SCo	Heat exchanger outlet subcooling [°C]	
AI				29	SCc	Coil outlet subcooling [°C]	
AI				30	SHb	Coil bypass outlet superheat [°C]	
AI				31	Tc	Condensing temperature [°C]	
AI				32	Te	Evaporating temperature [°C]	
AI				33	THHS	Thermistor 9 [°C]	
AI				34	THBOX	Thermistor in box [°C]	
IV				35	AK	Heat exchanger capacity	
AI				36	RotTm	Rotation timer	
BI				37	SV1a	SV1(A)/SV1a	
BI				38	Dmnd	Demand	
BI				39	Dmnd2	Demand2	
BI				40	Ngt	Night	
BI				41	Ngt2	Night2	
BI				42	Snow	Snow	
BI				43	21S4a	21S4a	
BI				44	Pwr	Power source frequency	
BI				45	WM	WM	
BI				46	Rep	Repeater output	
BI				47	72C	72C	
BI				48	CompOn	Comp ON	
BI				49	M-NetSup	M-NET supply	
BI				50	CH11	CH11	
BI				51	INV-FAN1	INV-FAN1	

• PUHY-P [capacity] THM-A

Object Identifier bits						Short Name	Object Description		
31	22	21	8	7	0				
Type	Instance		VA	Index					
CSV				00	Type	Outdoor Unit Type Name			
PIV				01	CtrlM	Control Mode			
PIV				02	OpeM	Operation Mode			
IV				03	F(Hz)	All temporary frequencies [Hz]			
PIV				04	F1	Temporary frequency of No.1 COMP [Hz]			
PIV				05	Foc	Temporary frequency [Hz]			
PIV				06	FAN	Fan output [Hz]			
IV				07	QjC	Total capacity Cool			
IV				08	QjH	Total capacity Heat			
PIV				09	LEV1	LEV1 Linear expansion valve [pls]			
PIV				10	LEV2	LEV2 Linear expansion valve [pls]			
AI				11	Idc	Direct current [A]			
AI				12	Iu	U-Phase current effective value [A]			
AI				13	Iw	W-Phase current effective value [A]			



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			14		AL	AL	
AI			15		Vdc	COMP bus voltage [V]	
AI			16		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			17		63LS	63LS Pressure sensor [kg/cm2]	
AI			18		TH2	Thermistor 2 [°C]	
AI			19		TH3	Thermistor 3 [°C]	
AI			20		TH4	Thermistor 4 [°C]	
AI			21		TH5	Thermistor 5 [°C]	
AI			22		TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI			23		TH7	Thermistor 7 [°C]	
AI			24		FAN-Ver	Fan1 SW version	
PIV			25		Save	Capacity save signal [%]	
PIV			26		OpeS	Operation Status	
PIV			27		Attr	Attribute (OC/OS identification)	
PIV			28		M-NetSupUn	M-NET supply unit	
PIV			29		StrtUpUn	Start-up unit	
AI			30		SCo	Heat exchanger outlet subcooling [°C]	
AI			31		SCc	Coil outlet subcooling [°C]	
AI			32		SHb	Coil bypass outlet superheat [°C]	
AI			33		Tc	Condensing temperature [°C]	
AI			34		Te	Evaporating temperature [°C]	
AI			35		THHS	Thermistor 9 [°C]	
AI			36		THBOX	Thermistor in box [°C]	
IV			37		AK	Heat exchanger capacity	
AI			38		RotTm	Rotation timer	
BI			39		SV1a	SV1(A)/SV1a	
BI			40		Dmnd	Demand	
BI			41		Dmnd2	Demand2	
BI			42		Ngt	Night	
BI			43		Ngt2	Night2	
BI			44		Snow	Snow	
BI			45		21S4a	21S4a	
BI			46		Pwr	Power source frequency	
BI			47		WM	WM	
BI			48		Rep	Repeater output	
BI			49		72C	72C	
BI			50		CompOn	Comp ON	
BI			51		M-NetSup	M-NET supply	
BI			52		CH11	CH11	
BI			53		INV-FAN1	INV-FAN1	

• PUHY-P [capacity] THM-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				04	F1	Temporary frequency of No.1 COMP [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QcC	Total capacity Cool	
IV				08	QcH	Total capacity Heat	
PIV				09	LEV1	LEV1 Linear expansion valve [pls]	
PIV				10	LEV2	LEV2 Linear expansion valve [pls]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI	11		Idc	Direct current [A]			
AI	12		Iu	U-Phase current effective value [A]			
AI	13		Iw	W-Phase current effective value [A]			
PIV	14		AL	AL			
AI	15		Vdc	COMP bus voltage [V]			
AI	16		63HS1	63HS1 Pressure sensor [kg/cm2]			
AI	17		63LS	63LS Pressure sensor [kg/cm2]			
AI	18		TH2	Thermistor 2 [°C]			
AI	19		TH3	Thermistor 3 [°C]			
AI	20		TH4	Thermistor 4 [°C]			
AI	21		TH5	Thermistor 5 [°C]			
AI	22		TH6	Inlet pipe temperature of the heat exchanger [°C]			
AI	23		TH7	Thermistor 7 [°C]			
AI	24		FAN-Ver	Fan1 SW version			
PIV	25		Save	Capacity save signal [%]			
PIV	26		OpeS	Operation Status			
PIV	27		Attr	Attribute (OC/OS identification)			
PIV	28		M-NetSupUn	M-NET supply unit			
PIV	29		StrtUpUn	Start-up unit			
AI	30		SCo	Heat exchanger outlet subcooling [°C]			
AI	31		SCc	Coil outlet subcooling [°C]			
AI	32		SHb	Coil bypass outlet superheat [°C]			
AI	33		Tc	Condensing temperature [°C]			
AI	34		Te	Evaporating temperature [°C]			
AI	35		THHS	Thermistor 9 [°C]			
AI	36		THBOX	Thermistor in box [°C]			
IV	37		AK	Heat exchanger capacity			
AI	38		RotTm	Rotation timer			
BI	39		SV1a	SV1(A)/SV1a			
BI	40		Dmnd	Demand			
BI	41		Dmnd2	Demand2			
BI	42		Ngd	Night			
BI	43		Ngd2	Night2			
BI	44		Snow	Snow			
BI	45		21S4a	21S4a			
BI	46		21S4b	21S4b			
BI	47		SV5b	SV5b			
BI	48		Pwr	Power source frequency			
BI	49		WM	WM			
BI	50		Rep	Repeater output			
BI	51		72C	72C			
BI	52		CompOn	Comp ON			
BI	53		M-NetSup	M-NET supply			
BI	54		CH11	CH11			
BI	55		INV-FAN1	INV-FAN1			

• PUHY-P [capacity] THM-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH5	Thermistor 5 [°C]		
AI			21	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			22	TH7	Thermistor 7 [°C]		
AI			23	FAN-Ver	Fan1 SW version		
PIV			24	Save	Capacity save signal [%]		
PIV			25	OpeS	Operation Status		
PIV			26	Attr	Attribute (OC/OS identification)		
AI			27	SCo	Heat exchanger outlet subcooling [°C]		
AI			28	SCc	Coil outlet subcooling [°C]		
AI			29	SHb	Coil bypass outlet superheat [°C]		
AI			30	Tc	Condensing temperature [°C]		
AI			31	Te	Evaporating temperature [°C]		
AI			32	THHS	Thermistor 9 [°C]		
AI			33	THBOX	Thermistor in box [°C]		
IV			34	AK	Heat exchanger capacity		
AI			35	RotTm	Rotation timer		
BI			36	SV1a	SV1(A)/SV1a		
BI			37	Dmnd	Demand		
BI			38	Dmnd2	Demand2		
BI			39	Ngt	Night		
BI			40	Ngt2	Night2		
BI			41	Snow	Snow		
BI			42	21S4a	21S4a		
BI			43	Pwr	Power source frequency		
BI			44	WM	WM		
BI			45	Rep	Repeater output		
BI			46	72C	72C		
BI			47	CompOn	Comp ON		
BI			48	M-NetSup	M-NET supply		
BI			49	CH11	CH11		
BI			50	INV-FAN1	INV-FAN1		

• PUHY-P [capacity] THM-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV		06	QjC		Total capacity Cool		
IV		07	QjH		Total capacity Heat		
PIV		08	LEV1		LEV1 Linear expansion valve [pls]		
PIV		09	LEV2		LEV2 Linear expansion valve [pls]		
AI		10	Idc		Direct current [A]		
AI		11	Iu		U-Phase current effective value [A]		
AI		12	Iw		W-Phase current effective value [A]		
PIV		13	AL		AL		
AI		14	Vdc		COMP bus voltage [V]		
AI		15	63HS1		63HS1 Pressure sensor [kg/cm2]		
AI		16	63LS		63LS Pressure sensor [kg/cm2]		
AI		17	TH2		Thermistor 2 [°C]		
AI		18	TH3		Thermistor 3 [°C]		
AI		19	TH4		Thermistor 4 [°C]		
AI		20	TH5		Thermistor 5 [°C]		
AI		21	TH6		Inlet pipe temperature of the heat exchanger [°C]		
AI		22	TH7		Thermistor 7 [°C]		
AI		23	FAN-Ver		Fan1 SW version		
PIV		24	Save		Capacity save signal [%]		
PIV		25	OpeS		Operation Status		
PIV		26	Attr		Attribute (OC/OS identification)		
AI		27	SCo		Heat exchanger outlet subcooling [°C]		
AI		28	SCc		Coil outlet subcooling [°C]		
AI		29	SHb		Coil bypass outlet superheat [°C]		
AI		30	Tc		Condensing temperature [°C]		
AI		31	Te		Evaporating temperature [°C]		
AI		32	THHS		Thermistor 9 [°C]		
AI		33	THBOX		Thermistor in box [°C]		
IV		34	AK		Heat exchanger capacity		
AI		35	RotTm		Rotation timer		
BI		36	SV1a		SV1(A)/SV1a		
BI		37	Dmnd		Demand		
BI		38	Dmnd2		Demand2		
BI		39	Ngt		Night		
BI		40	Ngt2		Night2		
BI		41	Snow		Snow		
BI		42	21S4a		21S4a		
BI		43	21S4b		21S4b		
BI		44	SV5b		SV5b		
BI		45	Pwr		Power source frequency		
BI		46	WM		WM		
BI		47	Rep		Repeater output		
BI		48	72C		72C		
BI		49	CompOn		Comp ON		
BI		50	M-NetSup		M-NET supply		
BI		51	CH11		CH11		
BI		52	INV-FAN1		INV-FAN1		

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LA	LA		
PIV			16	FAN(rpm)	FAN(rpm) [rpm]		
PIV			17	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			18	FAN-Fr	Fan1 run status		
PIV			19	FAN2-Fr	Fan2 run status		
PIV			20	FAN2	FAN2		
IV			21	Vdc	Bus voltage [V]		
PIV			22	LEV2b	LEV2b [pls]		
PIV			23	LEV9	LEV9 [pls]		
AI			24	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			25	63LS	63LS Pressure sensor [kg/cm2]		
AI			26	TH2	Thermistor 2 [°C]		
AI			27	TH3	Thermistor 3 [°C]		
AI			28	TH4	Thermistor 4 [°C]		
AI			29	TH5	Thermistor 5 [°C]		
AI			30	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			31	TH7	Thermistor 7 [°C]		
AI			32	TH15	Thermistor 15 [°C]		
AI			33	FAN-Ver	Fan1 SW version		
PIV			34	Save	Capacity save signal [%]		
PIV			35	OpeS	Operation Status		
PIV			36	Attr	Attribute (OC/OS identification)		
PIV			37	M-NetSupUn	M-NET supply unit		
PIV			38	StrtUpUn	Start-up unit		
AI			39	FAN2-Ver	Fan2 SW version		
BI			40	AF	Active Filter		
BI			41	RefChrgAdj	Ref Charge Adj		
AI			42	SCo	Heat exchanger outlet subcooling [°C]		
AI			43	SCc	Coil outlet subcooling [°C]		
AI			44	SHb	Coil bypass outlet superheat [°C]		
AI			45	Tc	Condensing temperature [°C]		
AI			46	Te	Evaporating temperature [°C]		
AI			47	THHS	Thermistor 9 [°C]		
BI			48	21S4a	21S4a		
BI			49	21S4b	21S4b		
BI			50	SV1a	SV1(A)/SV1a		
BI			51	SV2	SV2		
BI			52	SV9	SV9		
BI			53	SV10	SV10		
IV			54	AK	Heat exchanger capacity		
PIV			55	Err	Error code		
PIV			56	ErrDet	Error detail code		
PIV			57	ErrSrc	Error source address		
PIV			58	MntErr	Maintenance error code		
PIV			59	MntErrDet	Maintenance error detail code		
PIV			60	MntErrSrc	Maintenance error source address		
PIV			61	PrelErr	Preliminary error code		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			62	PrelErrDet	Preliminary error detail code		
PIV			63	PrelErrSrc	Preliminary error source address		
AI			64	THHS(FAN1)	THHS(FAN1) [°C]		
AI			65	THHS(FAN2)	THHS(FAN2) [°C]		
BI			66	Dmnd	Demand		
BI			67	Dmnd2	Demand2		
BI			68	Ngt	Night		
BI			69	Ngt2	Night2		
BI			70	Snow	Snow		
BI			71	Pwr	Power source frequency		
BI			72	WM	WM		
AI			73	RotTm	Rotation timer		
BI			74	Rep	Repeater output		
BI			75	72C	72C		
BI			76	CompOn	Comp ON		
BI			77	M-NetSup	M-NET supply		
BI			78	IH	IH		
BI			79	H-Def1	H-Def1		
BI			80	H-Def2	H-Def2		

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Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QcC	Total capacity Cool		
IV			08	QcH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV2b	LEV2b [pls]		
PIV			12	LEV2c	LEV2c [pls]		
PIV			13	LEV9	LEV9 [pls]		
AI			14	Iu	U-Phase current effective value [A]		
AI			15	Iw	W-Phase current effective value [A]		
PIV			16	AL	AL		
AI			17	LA	LA		
PIV			18	FAN(rpm)	FAN(rpm) [rpm]		
PIV			19	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			20	FAN2	FAN2		
IV			21	Vdc	Bus voltage [V]		
AI			22	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			23	63LS	63LS Pressure sensor [kg/cm2]		
AI			24	TH2	Thermistor 2 [°C]		
AI			25	TH3	Thermistor 3 [°C]		
AI			26	TH4	Thermistor 4 [°C]		
AI			27	TH5	Thermistor 5 [°C]		
AI			28	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			29	TH7	Thermistor 7 [°C]		
AI			30	TH15	Thermistor 15 [°C]		
AI			31	FAN-Ver	Fan1 SW version		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			32	FAN2-Ver	Fan2 SW version		
PIV			33	Save	Capacity save signal [%]		
PIV			34	OpeS	Operation Status		
PIV			35	Attr	Attribute (OC/OS identification)		
PIV			36	M-NetSupUn	M-NET supply unit		
PIV			37	StrtUpUn	Start-up unit		
AI			38	SCo	Heat exchanger outlet subcooling [°C]		
AI			39	SCc	Coil outlet subcooling [°C]		
AI			40	SHb	Coil bypass outlet superheat [°C]		
AI			41	Tc	Condensing temperature [°C]		
AI			42	Te	Evaporating temperature [°C]		
AI			43	THHS	Thermistor 9 [°C]		
IV			44	AK	Heat exchanger capacity		
AI			45	THHS(FAN1)	THHS(FAN1) [°C]		
AI			46	THHS(FAN2)	THHS(FAN2) [°C]		
AI			47	RotTm	Rotation timer		
PIV			48	Err	Error code		
PIV			49	ErrDet	Error detail code		
PIV			50	ErrSrc	Error source address		
PIV			51	MntErr	Maintenance error code		
PIV			52	MntErrDet	Maintenance error detail code		
PIV			53	MntErrSrc	Maintenance error source address		
PIV			54	PrelErr	Preliminary error code		
PIV			55	PrelErrDet	Preliminary error detail code		
PIV			56	PrelErrSrc	Preliminary error source address		
BI			57	Dmnd	Demand		
BI			58	SV1a	SV1(A)/SV1a		
BI			59	Dmnd2	Demand2		
BI			60	Snow	Snow		
BI			61	Ngt	Night		
BI			62	Ngt2	Night2		
BI			63	21S4a	21S4a		
BI			64	21S4b	21S4b		
BI			65	21S4c	21S4c		
BI			66	IH	IH		
BI			67	H-Def1	H-Def1		
BI			68	H-Def2	H-Def2		
PIV			69	FAN-Fr	Fan1 run status		
PIV			70	FAN2-Fr	Fan2 run status		
BI			71	AF	Active Filter		
BI			72	RefChrgAdj	Ref Charge Adj		
BI			73	Pwr	Power source frequency		
BI			74	WM	WM		
BI			75	Rep	Repeater output		
BI			76	72C	72C		
BI			77	CompOn	Comp ON		
BI			78	M-NetSup	M-NET supply		
BI			79	SV9	SV9		
BI			80	SV2	SV2		
BI			81	SV10	SV10		
BI			82	SV11	SV11		

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2a	LEV2a [pls]		
PIV			10	LEV2b	LEV2b [pls]		
PIV			11	LEV9	LEV9 [pls]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			17	FAN2	FAN2		
IV			18	Vdc	Bus voltage [V]		
AI			19	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			20	63LS	63LS Pressure sensor [kg/cm2]		
AI			21	TH2	Thermistor 2 [°C]		
AI			22	TH3	Thermistor 3 [°C]		
AI			23	TH4	Thermistor 4 [°C]		
AI			24	TH5	Thermistor 5 [°C]		
AI			25	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			26	TH7	Thermistor 7 [°C]		
AI			27	TH15	Thermistor 15 [°C]		
AI			28	FAN-Ver	Fan1 SW version		
AI			29	FAN2-Ver	Fan2 SW version		
PIV			30	Save	Capacity save signal [%]		
PIV			31	OpeS	Operation Status		
PIV			32	Attr	Attribute (OC/OS identification)		
AI			33	SCo	Heat exchanger outlet subcooling [°C]		
AI			34	SCc	Coil outlet subcooling [°C]		
AI			35	SHb	Coil bypass outlet superheat [°C]		
AI			36	Tc	Condensing temperature [°C]		
AI			37	Te	Evaporating temperature [°C]		
AI			38	THHS	Thermistor 9 [°C]		
IV			39	AK	Heat exchanger capacity		
AI			40	THHS(FAN1)	THHS(FAN1) [°C]		
AI			41	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			42	Err	Error code		
PIV			43	ErrDet	Error detail code		
PIV			44	ErrSrc	Error source address		
PIV			45	MntErr	Maintenance error code		
PIV			46	MntErrDet	Maintenance error detail code		
PIV			47	MntErrSrc	Maintenance error source address		
PIV			48	PrelErr	Preliminary error code		
PIV			49	PrelErrDet	Preliminary error detail code		
PIV			50	PrelErrSrc	Preliminary error source address		
BI			51	Dmnd	Demand		
BI			52	SV1a	SV1(A)/SV1a		
BI			53	Dmnd2	Demand2		
BI			54	Snow	Snow		
BI			55	Ngt	Night		
BI			56	Ngt2	Night2		
BI			57	21S4a	21S4a		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	58					21S4b	21S4b
BI	59					IH	IH
BI	60					H-Def1	H-Def1
BI	61					H-Def2	H-Def2
PIV	62					FAN-Fr	Fan1 run status
PIV	63					FAN2-Fr	Fan2 run status
BI	64					AF	Active Filter
BI	65					Pwr	Power source frequency
BI	66					WM	WM
BI	67					Rep	Repeater output
BI	68					72C	72C
BI	69					CompOn	Comp ON
BI	70					M-NetSup	M-NET supply
BI	71					SV9	SV9
BI	72					SV2	SV2
BI	73					SV10	SV10

- PUHY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		
AI			06	TH7	Thermistor 7 [°C]		
AI			07	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			08	63LS	63LS Pressure sensor [kg/cm2]		
AI			09	THHS	Thermistor 9 [°C]		
AI			10	Tc	Condensing temperature [°C]		
AI			11	Te	Evaporating temperature [°C]		
AI			12	Vdc	COMP bus voltage [V]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
IV			15	F(Hz)	All temporary frequencies [Hz]		
PIV			16	FAN	Fan output [Hz]		
PIV			17	Foc	Temporary frequency [Hz]		
IV			18	QjC	Total capacity Cool		
IV			19	QjH	Total capacity Heat		
AI			20	SCo	Heat exchanger outlet subcooling [°C]		
AI			21	SCc	Coil outlet subcooling [°C]		
AI			22	SHb	Coil bypass outlet superheat [°C]		

- PUHY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			06	TH7	Thermistor 7 [°C]		
AI			07	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			08	63LS	63LS Pressure sensor [kg/cm2]		
AI			09	THHS	Thermistor 9 [°C]		
AI			10	THBOX	Thermistor in box [°C]		
AI			11	Tc	Condensing temperature [°C]		
AI			12	Te	Evaporating temperature [°C]		
AI			13	Vdc	COMP bus voltage [V]		
AI			14	Iu	U-Phase current effective value [A]		
AI			15	Iw	W-Phase current effective value [A]		
IV			16	F(Hz)	All temporary frequencies [Hz]		
PIV			17	FAN	Fan output [Hz]		
PIV			18	Foc	Temporary frequency [Hz]		
IV			19	QjC	Total capacity Cool		
IV			20	QjH	Total capacity Heat		
AI			21	SCo	Heat exchanger outlet subcooling [°C]		
AI			22	SCc	Coil outlet subcooling [°C]		
AI			23	SHb	Coil bypass outlet superheat [°C]		
PIV			24	LEV1	LEV1 Linear expansion valve [pls]		
PIV			25	LEV2	LEV2 Linear expansion valve [pls]		

• PUHY-(E)P [capacity]

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		
AI			06	TH7	Thermistor 7 [°C]		
AI			07	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			08	63LS	63LS Pressure sensor [kg/cm2]		
AI			09	THHS	Thermistor 9 [°C]		
AI			10	Tc	Condensing temperature [°C]		
AI			11	Te	Evaporating temperature [°C]		
AI			12	Vdc	COMP bus voltage [V]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	FAN	Fan output [Hz]		
IV			16	QjC	Total capacity Cool		
IV			17	QjH	Total capacity Heat		
AI			18	SCo	Heat exchanger outlet subcooling [°C]		
AI			19	SCc	Coil outlet subcooling [°C]		
AI			20	SHb	Coil bypass outlet superheat [°C]		

• PUHY-HP [capacity] (T/Y)NU-A.TH

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00		Type	Outdoor Unit Type Name	
PIV			01		CtrlM	Control Mode	
PIV			02		OpeM	Operation Mode	
IV			03		F(Hz)	All temporary frequencies [Hz]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV4	Linear expansion valve [pls]		
PIV			12	LEV9	LEV9 [pls]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		
PIV			18	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			19	FAN2	FAN2		
IV			20	Vdc	Bus voltage [V]		
PIV			21	LEV2b	LEV2b [pls]		
AI			22	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			23	63LS	63LS Pressure sensor [kg/cm2]		
AI			24	TH2	Thermistor 2 [°C]		
AI			25	TH3	Thermistor 3 [°C]		
AI			26	TH4	Thermistor 4 [°C]		
AI			27	TH5	Thermistor 5 [°C]		
AI			28	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			29	TH7	Thermistor 7 [°C]		
AI			30	TH15	Thermistor 15 [°C]		
AI			31	FAN-Ver	Fan1 SW version		
AI			32	FAN2-Ver	Fan2 SW version		
PIV			33	Save	Capacity save signal [%]		
PIV			34	OpeS	Operation Status		
PIV			35	Attr	Attribute (OC/OS identification)		
PIV			36	M-NetSupUn	M-NET supply unit		
PIV			37	StrtUpUn	Start-up unit		
AI			38	SCo	Heat exchanger outlet subcooling [°C]		
AI			39	SCc	Coil outlet subcooling [°C]		
AI			40	SHb	Coil bypass outlet superheat [°C]		
AI			41	Tc	Condensing temperature [°C]		
AI			42	Te	Evaporating temperature [°C]		
AI			43	THHS	Thermistor 9 [°C]		
IV			44	AK	Heat exchanger capacity		
AI			45	THHS(FAN1)	THHS(FAN1) [°C]		
AI			46	THHS(FAN2)	THHS(FAN2) [°C]		
AI			47	RotTm	Rotation timer		
PIV			48	Err	Error code		
PIV			49	ErrDet	Error detail code		
PIV			50	ErrSrc	Error source address		
PIV			51	MntErr	Maintenance error code		
PIV			52	MntErrDet	Maintenance error detail code		
PIV			53	MntErrSrc	Maintenance error source address		
PIV			54	PrelErr	Preliminary error code		
PIV			55	PrelErrDet	Preliminary error detail code		
PIV			56	PrelErrSrc	Preliminary error source address		
BI			57	Dmnd	Demand		
BI			58	SV1a	SV1(A)/SV1a		
BI			59	Dmnd2	Demand2		
BI			60	Snow	Snow		
BI			61	Ngt	Night		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
BI			62	Ngt2	Night2		
BI			63	21S4a	21S4a		
BI			64	21S4b	21S4b		
BI			65	IH	IH		
BI			66	H-Def1	H-Def1		
BI			67	H-Def2	H-Def2		
PIV			68	FAN-Fr	Fan1 run status		
PIV			69	FAN2-Fr	Fan2 run status		
BI			70	AF	Active Filter		
BI			71	RefChrgAdj	Ref Charge Adj		
BI			72	Pwr	Power source frequency		
BI			73	WM	WM		
BI			74	Rep	Repeater output		
BI			75	72C	72C		
BI			76	CompOn	Comp ON		
BI			77	M-NetSup	M-NET supply		
BI			78	SV9	SV9		
BI			79	SV2	SV2		
BI			80	SV10	SV10		

• **PUHY-HP [capacity] (T/Y)NU-A.TH/YNW-A**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	CtrlM		Control Mode	
PIV			02	OpeM		Operation Mode	
PIV			03	F1		Temporary frequency of No.1 COMP [Hz]	
PIV			04	Fos		Temporary frequency [Hz]	
PIV			05	FAN		Fan output [Hz]	
IV			06	QcC		Total capacity Cool	
IV			07	QcH		Total capacity Heat	
PIV			08	LEV1		LEV1 Linear expansion valve [pls]	
PIV			09	LEV2a		LEV2a [pls]	
PIV			10	LEV2b		LEV2b [pls]	
PIV			11	LEV4		Linear expansion valve [pls]	
PIV			12	LEV9		LEV9 [pls]	
AI			13	Iu		U-Phase current effective value [A]	
AI			14	Iw		W-Phase current effective value [A]	
PIV			15	AL		AL	
PIV			16	FAN(rpm)		FAN(rpm) [rpm]	
PIV			17	FAN2(rpm)		FAN2(rpm) [rpm]	
PIV			18	FAN2		FAN2	
IV			19	Vdc		Bus voltage [V]	
AI			20	63HS1		63HS1 Pressure sensor [kg/cm2]	
AI			21	63LS		63LS Pressure sensor [kg/cm2]	
AI			22	TH2		Thermistor 2 [°C]	
AI			23	TH3		Thermistor 3 [°C]	
AI			24	TH4		Thermistor 4 [°C]	
AI			25	TH5		Thermistor 5 [°C]	
AI			26	TH6		Inlet pipe temperature of the heat exchanger [°C]	
AI			27	TH7		Thermistor 7 [°C]	
AI			28	TH15		Thermistor 15 [°C]	
AI			29	FAN-Ver		Fan1 SW version	
AI			30	FAN2-Ver		Fan2 SW version	
PIV			31	Save		Capacity save signal [%]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			32	OpeS	Operation Status		
PIV			33	Attr	Attribute (OC/OS identification)		
AI			34	SCo	Heat exchanger outlet subcooling [°C]		
AI			35	SCc	Coil outlet subcooling [°C]		
AI			36	SHb	Coil bypass outlet superheat [°C]		
AI			37	Tc	Condensing temperature [°C]		
AI			38	Te	Evaporating temperature [°C]		
AI			39	THHS	Thermistor 9 [°C]		
IV			40	AK	Heat exchanger capacity		
AI			41	THHS(FAN1)	THHS(FAN1) [°C]		
AI			42	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			43	Err	Error code		
PIV			44	ErrDet	Error detail code		
PIV			45	ErrSrc	Error source address		
PIV			46	MntErr	Maintenance error code		
PIV			47	MntErrDet	Maintenance error detail code		
PIV			48	MntErrSrc	Maintenance error source address		
PIV			49	PrelErr	Preliminary error code		
PIV			50	PrelErrDet	Preliminary error detail code		
PIV			51	PrelErrSrc	Preliminary error source address		
BI			52	Dmnd	Demand		
BI			53	SV1a	SV1(A)/SV1a		
BI			54	Dmnd2	Demand2		
BI			55	Snow	Snow		
BI			56	Ngt	Night		
BI			57	Ngt2	Night2		
BI			58	21S4a	21S4a		
BI			59	21S4b	21S4b		
BI			60	IH	IH		
BI			61	H-Def1	H-Def1		
BI			62	H-Def2	H-Def2		
PIV			63	FAN-Fr	Fan1 run status		
PIV			64	FAN2-Fr	Fan2 run status		
BI			65	AF	Active Filter		
BI			66	Pwr	Power source frequency		
BI			67	WM	WM		
BI			68	Rep	Repeater output		
BI			69	72C	72C		
BI			70	CompOn	Comp ON		
BI			71	M-NetSup	M-NET supply		
BI			72	SV9	SV9		
BI			73	SV2	SV2		
BI			74	SV10	SV10		

• PUHY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
AI			01	TH2	Thermistor 2 [°C]		
AI			02	TH3	Thermistor 3 [°C]		
AI			03	TH4	Thermistor 4 [°C]		
AI			04	TH5	Thermistor 5 [°C]		
AI			05	TH6	Thermistor 6 [°C]		
AI			06	TH7	Thermistor 7 [°C]		
AI			07	63HS1	63HS1 Pressure sensor [kg/cm2]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
AI				08		63LS	63LS Pressure sensor [kg/cm2]
AI				09		THHS	Thermistor 9 [°C]
AI				10		THBOX	Thermistor in box [°C]
AI				11		Tc	Condensing temperature [°C]
AI				12		Te	Evaporating temperature [°C]
AI				13		Vdc	COMP bus voltage [V]
AI				14		Iu	U-Phase current effective value [A]
AI				15		Iw	W-Phase current effective value [A]
PIV				16		FAN	Fan output [Hz]
IV				17		QjC	Total capacity Cool
IV				18		QjH	Total capacity Heat
AI				19		SCo	Heat exchanger outlet subcooling [°C]
AI				20		SCc	Coil outlet subcooling [°C]
AI				21		SHb	Coil bypass outlet superheat [°C]
PIV				22		LEV1	LEV1 Linear expansion valve [pls]
PIV				23		LEV2	LEV2 Linear expansion valve [pls]

• **PUHY-HP [capacity] THMU/YHMC**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
PIV			11	LEV4	Linear expansion valve [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	Vdc	COMP bus voltage [V]		
AI			17	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH2	Thermistor 2 [°C]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			24	TH7	Thermistor 7 [°C]		
AI			25	FAN-Ver	Fan1 SW version		
PIV			26	Save	Capacity save signal [%]		
PIV			27	OpeS	Operation Status		
PIV			28	Attr	Attribute (OC/OS identification)		
PIV			29	M-NetSupUn	M-NET supply unit		
PIV			30	StrtUpUn	Start-up unit		
AI			31	SCo	Heat exchanger outlet subcooling [°C]		
AI			32	SCc	Coil outlet subcooling [°C]		
AI			33	SHb	Coil bypass outlet superheat [°C]		
AI			34	Tc	Condensing temperature [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI			35	Te	Evaporating temperature [°C]		
AI			36	THHS	Thermistor 9 [°C]		
AI			37	THBOX	Thermistor in box [°C]		
IV			38	AK	Heat exchanger capacity		
AI			39	RotTm	Rotation timer		
BI			40	Dmnd	Demand		
BI			41	Dmnd2	Demand2		
BI			42	Ngt	Night		
BI			43	Ngt2	Night2		
BI			44	Snow	Snow		
BI			45	SV1a	SV1(A)/SV1a		
BI			46	21S4a	21S4a		
BI			47	SV9	SV9		
BI			48	SV2	SV2		
BI			49	SV6	SV6		
BI			50	Pwr	Power source frequency		
BI			51	WM	WM		
BI			52	Rep	Repeater output		
BI			53	72C	72C		
BI			54	CompOn	Comp ON		
BI			55	M-NetSup	M-NET supply		
BI			56	CH11	CH11		
BI			57	INV-FAN1	INV-FAN1		

• PUHY-HP [capacity] THMU/YHMC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
PIV			10	LEV4	Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	Vdc	COMP bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63HS2	63HS2 Pressure sensor [kg/cm2]		
AI			18	63LS	63LS Pressure sensor [kg/cm2]		
AI			19	TH2	Thermistor 2 [°C]		
AI			20	TH3	Thermistor 3 [°C]		
AI			21	TH4	Thermistor 4 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			23	TH7	Thermistor 7 [°C]		
AI			24	FAN-Ver	Fan1 SW version		
PIV			25	Save	Capacity save signal [%]		
PIV			26	OpeS	Operation Status		
PIV			27	Attr	Attribute (OC/OS identification)		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			28	SCo	Heat exchanger outlet subcooling [°C]		
AI			29	SCc	Coil outlet subcooling [°C]		
AI			30	SHb	Coil bypass outlet superheat [°C]		
AI			31	Tc	Condensing temperature [°C]		
AI			32	Te	Evaporating temperature [°C]		
AI			33	THHS	Thermistor 9 [°C]		
AI			34	THBOX	Thermistor in box [°C]		
IV			35	AK	Heat exchanger capacity		
AI			36	RotTm	Rotation timer		
BI			37	Dmnd	Demand		
BI			38	SV1a	SV1(A)/SV1a		
BI			39	Dmnd2	Demand2		
BI			40	Snow	Snow		
BI			41	Ngt	Night		
BI			42	Ngt2	Night2		
BI			43	21S4a	21S4a		
BI			44	SV9	SV9		
BI			45	SV2	SV2		
BI			46	SV6	SV6		
BI			47	Pwr	Power source frequency		
BI			48	WM	WM		
BI			49	Rep	Repeater output		
BI			50	72C	72C		
BI			51	CompOn	Comp ON		
BI			52	M-NetSup	M-NET supply		
BI			53	CH11	CH11		
BI			54	INV-FAN1	INV-FAN1		

• PUHY-P [capacity] YHC-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LA	LA		
AI			16	Vdc	COMP bus voltage [V]		
AI			17	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18	63LS	63LS Pressure sensor [kg/cm2]		
AI			19	TH2	Thermistor 2 [°C]		
AI			20	TH3	Thermistor 3 [°C]		
AI			21	TH4	Thermistor 4 [°C]		
AI			22	TH5	Thermistor 5 [°C]		
AI			23	TH6	Inlet pipe temperature of the heat exchanger [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			24	TH7	Thermistor 7 [°C]		
AI			25	FAN-Ver	Fan1 SW version		
PIV			26	Save	Capacity save signal [%]		
PIV			27	OpeS	Operation Status		
PIV			28	Attr	Attribute (OC/OS identification)		
PIV			29	M-NetSupUn	M-NET supply unit		
PIV			30	StrtUpUn	Start-up unit		
AI			31	SCo	Heat exchanger outlet subcooling [°C]		
AI			32	SCc	Coil outlet subcooling [°C]		
AI			33	SHb	Coil bypass outlet superheat [°C]		
AI			34	Tc	Condensing temperature [°C]		
AI			35	Te	Evaporating temperature [°C]		
AI			36	THHS	Thermistor 9 [°C]		
AI			37	THBOX	Thermistor in box [°C]		
IV			38	AK	Heat exchanger capacity		
AI			39	RotTm	Rotation timer		
BI			40	Dmnd	Demand		
BI			41	SV1a	SV1(A)/SV1a		
BI			42	Dmnd2	Demand2		
BI			43	Snow	Snow		
BI			44	Ngt	Night		
BI			45	Ngt2	Night2		
BI			46	21S4a	21S4a		
BI			47	SV9	SV9		
BI			48	Pwr	Power source frequency		
BI			49	WM	WM		
BI			50	Rep	Repeater output		
BI			51	72C	72C		
BI			52	CompOn	Comp ON		
BI			53	M-NetSup	M-NET supply		
BI			54	CH11	CH11		
BI			55	INV-FAN1	INV-FAN1		

• PUHY-P [capacity] YHC-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QcC	Total capacity Cool		
IV			08	QcH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LA	LA		
AI			16	Vdc	COMP bus voltage [V]		
AI			17	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18	63LS	63LS Pressure sensor [kg/cm2]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			19		TH2	Thermistor 2 [°C]	
AI			20		TH3	Thermistor 3 [°C]	
AI			21		TH4	Thermistor 4 [°C]	
AI			22		TH5	Thermistor 5 [°C]	
AI			23		TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI			24		TH7	Thermistor 7 [°C]	
AI			25		FAN-Ver	Fan1 SW version	
PIV			26		Save	Capacity save signal [%]	
PIV			27		OpeS	Operation Status	
PIV			28		Attr	Attribute (OC/OS identification)	
PIV			29		M-NetSupUn	M-NET supply unit	
PIV			30		StrtUpUn	Start-up unit	
AI			31		SCo	Heat exchanger outlet subcooling [°C]	
AI			32		SCc	Coil outlet subcooling [°C]	
AI			33		SHb	Coil bypass outlet superheat [°C]	
AI			34		Tc	Condensing temperature [°C]	
AI			35		Te	Evaporating temperature [°C]	
AI			36		THHS	Thermistor 9 [°C]	
AI			37		THBOX	Thermistor in box [°C]	
IV			38		AK	Heat exchanger capacity	
AI			39		RotTm	Rotation timer	
BI			40		Dmnd	Demand	
BI			41		SV1a	SV1(A)/SV1a	
BI			42		Dmnd2	Demand2	
BI			43		Snow	Snow	
BI			44		Ngt	Night	
BI			45		Ngt2	Night2	
BI			46		21S4a	21S4a	
BI			47		21S4b	21S4b	
BI			48		SV5b	SV5b	
BI			49		SV9	SV9	
BI			50		Pwr	Power source frequency	
BI			51		WM	WM	
BI			52		Rep	Repeater output	
BI			53		72C	72C	
BI			54		CompOn	Comp ON	
BI			55		M-NetSup	M-NET supply	
BI			56		CH11	CH11	
BI			57		INV-FAN1	INV-FAN1	

• PUHY-P [capacity] YHC-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			12	lw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH5	Thermistor 5 [°C]		
AI			21	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			22	TH7	Thermistor 7 [°C]		
AI			23	FAN-Ver	Fan1 SW version		
PIV			24	Save	Capacity save signal [%]		
PIV			25	OpeS	Operation Status		
PIV			26	Attr	Attribute (OC/OS identification)		
AI			27	SCo	Heat exchanger outlet subcooling [°C]		
AI			28	SCc	Coil outlet subcooling [°C]		
AI			29	SHb	Coil bypass outlet superheat [°C]		
AI			30	Tc	Condensing temperature [°C]		
AI			31	Te	Evaporating temperature [°C]		
AI			32	THHS	Thermistor 9 [°C]		
AI			33	THBOX	Thermistor in box [°C]		
IV			34	AK	Heat exchanger capacity		
AI			35	RotTm	Rotation timer		
BI			36	Dmnd	Demand		
BI			37	SV1a	SV1(A)/SV1a		
BI			38	Dmnd2	Demand2		
BI			39	Snow	Snow		
BI			40	Ngt	Night		
BI			41	Ngt2	Night2		
BI			42	21S4a	21S4a		
BI			43	SV9	SV9		
BI			44	Pwr	Power source frequency		
BI			45	WM	WM		
BI			46	Rep	Repeater output		
BI			47	72C	72C		
BI			48	CompOn	Comp ON		
BI			49	M-NetSup	M-NET supply		
BI			50	CH11	CH11		
BI			51	INV-FAN1	INV-FAN1		

• PUHY-EP [capacity] (T/Y)NU-A

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			11		LEV2b	LEV2b [pls]	
PIV			12		LEV4	Linear expansion valve [pls]	
PIV			13		LEV9	LEV9 [pls]	
AI			14		Iu	U-Phase current effective value [A]	
AI			15		Iw	W-Phase current effective value [A]	
PIV			16		AL	AL	
AI			17		LA	LA	
PIV			18		FAN(rpm)	FAN(rpm) [rpm]	
PIV			19		FAN2(rpm)	FAN2(rpm) [rpm]	
PIV			20		FAN2	FAN2	
IV			21		Vdc	Bus voltage [V]	
AI			22		63HS1	63HS1 Pressure sensor [kg/cm2]	
AI			23		63LS	63LS Pressure sensor [kg/cm2]	
AI			24		TH2	Thermistor 2 [°C]	
AI			25		TH3	Thermistor 3 [°C]	
AI			26		TH4	Thermistor 4 [°C]	
AI			27		TH5	Thermistor 5 [°C]	
AI			28		TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI			29		TH7	Thermistor 7 [°C]	
AI			30		TH15	Thermistor 15 [°C]	
AI			31		FAN-Ver	Fan1 SW version	
AI			32		FAN2-Ver	Fan2 SW version	
PIV			33		Save	Capacity save signal [%]	
PIV			34		OpeS	Operation Status	
PIV			35		Attr	Attribute (OC/OS identification)	
PIV			36		M-NetSupUn	M-NET supply unit	
PIV			37		StrtUpUn	Start-up unit	
AI			38		SCo	Heat exchanger outlet subcooling [°C]	
AI			39		SCc	Coil outlet subcooling [°C]	
AI			40		SHb	Coil bypass outlet superheat [°C]	
AI			41		Tc	Condensing temperature [°C]	
AI			42		Te	Evaporating temperature [°C]	
AI			43		THHS	Thermistor 9 [°C]	
IV			44		AK	Heat exchanger capacity	
AI			45		THHS(FAN1)	THHS(FAN1) [°C]	
AI			46		THHS(FAN2)	THHS(FAN2) [°C]	
AI			47		RotTm	Rotation timer	
PIV			48		Err	Error code	
PIV			49		ErrDet	Error detail code	
PIV			50		ErrSrc	Error source address	
PIV			51		MntErr	Maintenance error code	
PIV			52		MntErrDet	Maintenance error detail code	
PIV			53		MntErrSrc	Maintenance error source address	
PIV			54		PrelErr	Preliminary error code	
PIV			55		PrelErrDet	Preliminary error detail code	
PIV			56		PrelErrSrc	Preliminary error source address	
BI			57		Dmnd	Demand	
BI			58		SV1a	SV1(A)/SV1a	
BI			59		Dmnd2	Demand2	
BI			60		Snow	Snow	
BI			61		NgT	Night	
BI			62		NgT2	Night2	
BI			63		21S4a	21S4a	
BI			64		21S4b	21S4b	
BI			65		IH	IH	
BI			66		H-Def1	H-Def1	
BI			67		H-Def2	H-Def2	
PIV			68		FAN-Fr	Fan1 run status	



Object Identifier bits						Short Name	Object Description	
31	22	21	8	7	0			
Type	Instance		Index					
	VA							
PIV			69	FAN2-Fr		Fan2 run status		
BI			70	AF		Active Filter		
BI			71	RefChrgAdj		Ref Charge Adj		
BI			72	Pwr		Power source frequency		
BI			73	WM		WM		
BI			74	Rep		Repeater output		
BI			75	72C		72C		
BI			76	CompOn		Comp ON		
BI			77	M-NetSup		M-NET supply		
BI			78	SV9		SV9		
BI			79	SV2		SV2		
BI			80	SV10		SV10		
BI			81	SV11		SV11		
PIV			82	DtaColl		Data collection		

• PUHY-EP [capacity] (T/Y)NU-A.TH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV4	Linear expansion valve [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		
IV			18	Vdc	Bus voltage [V]		
PIV			19	LEV2b	LEV2b [pls]		
PIV			20	LEV9	LEV9 [pls]		
AI			21	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			22	63LS	63LS Pressure sensor [kg/cm2]		
AI			23	TH2	Thermistor 2 [°C]		
AI			24	TH3	Thermistor 3 [°C]		
AI			25	TH4	Thermistor 4 [°C]		
AI			26	TH5	Thermistor 5 [°C]		
AI			27	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			28	TH7	Thermistor 7 [°C]		
AI			29	TH15	Thermistor 15 [°C]		
AI			30	FAN-Ver	Fan1 SW version		
PIV			31	Save	Capacity save signal [%]		
PIV			32	OpeS	Operation Status		
PIV			33	Attr	Attribute (OC/OS identification)		
PIV			34	M-NetSupUn	M-NET supply unit		
PIV			35	StrtUpUn	Start-up unit		
AI			36	SCo	Heat exchanger outlet subcooling [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			37	SCc	Coil outlet subcooling [°C]		
AI			38	SHb	Coil bypass outlet superheat [°C]		
AI			39	Tc	Condensing temperature [°C]		
AI			40	Te	Evaporating temperature [°C]		
AI			41	THHS	Thermistor 9 [°C]		
BI			42	21S4a	21S4a		
BI			43	21S4b	21S4b		
BI			44	SV1a	SV1(A)/SV1a		
BI			45	Dmnd	Demand		
BI			46	Dmnd2	Demand2		
BI			47	Ngd	Night		
BI			48	Ngd2	Night2		
BI			49	Snow	Snow		
BI			50	SV2	SV2		
BI			51	SV9	SV9		
BI			52	SV10	SV10		
BI			53	SV14	SV14		
BI			54	SV15	SV15		
IV			55	AK	Heat exchanger capacity		
AI			56	THHS(FAN1)	THHS(FAN1) [°C]		
AI			57	RotTm	Rotation timer		
PIV			58	FAN-Fr	Fan1 run status		
BI			59	AF	Active Filter		
BI			60	RefChrgAdj	Ref Charge Adj		
BI			61	Pwr	Power source frequency		
BI			62	WM	WM		
BI			63	Rep	Repeater output		
BI			64	72C	72C		
BI			65	CompOn	Comp ON		
BI			66	M-NetSup	M-NET supply		
BI			67	IH	IH		
BI			68	H-Def1	H-Def1		
BI			69	H-Def2	H-Def2		

• PUHY-EP [capacity] (T/Y)NU-A.TH

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV4	Linear expansion valve [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		



Object Identifier bits						Short Name	Object Description	
31	22	21	8	7	0			
Type	Instance		Index					
	VA			Index				
PIV			18		FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			19		FAN-Fr	Fan1 run status		
PIV			20		FAN2-Fr	Fan2 run status		
PIV			21		FAN2	FAN2		
IV			22		Vdc	Bus voltage [V]		
PIV			23		LEV2b	LEV2b [pls]		
PIV			24		LEV9	LEV9 [pls]		
AI			25		63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			26		63LS	63LS Pressure sensor [kg/cm2]		
AI			27		TH2	Thermistor 2 [°C]		
AI			28		TH3	Thermistor 3 [°C]		
AI			29		TH4	Thermistor 4 [°C]		
AI			30		TH5	Thermistor 5 [°C]		
AI			31		TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			32		TH7	Thermistor 7 [°C]		
AI			33		TH15	Thermistor 15 [°C]		
AI			34		FAN-Ver	Fan1 SW version		
PIV			35		Save	Capacity save signal [%]		
PIV			36		OpeS	Operation Status		
PIV			37		Attr	Attribute (OC/OS identification)		
PIV			38		M-NetSupUn	M-NET supply unit		
PIV			39		StrtUpUn	Start-up unit		
AI			40		FAN2-Ver	Fan2 SW version		
BI			41		AF	Active Filter		
BI			42		RefChrgAdj	Ref Charge Adj		
AI			43		SCo	Heat exchanger outlet subcooling [°C]		
AI			44		SCc	Coil outlet subcooling [°C]		
AI			45		SHb	Coil bypass outlet superheat [°C]		
AI			46		Tc	Condensing temperature [°C]		
AI			47		Te	Evaporating temperature [°C]		
AI			48		THHS	Thermistor 9 [°C]		
BI			49		21S4a	21S4a		
BI			50		21S4b	21S4b		
BI			51		SV1a	SV1(A)/SV1a		
BI			52		SV2	SV2		
BI			53		SV9	SV9		
BI			54		SV14	SV14		
BI			55		SV15	SV15		
BI			56		SV10	SV10		
IV			57		AK	Heat exchanger capacity		
AI			58		THHS(FAN1)	THHS(FAN1) [°C]		
AI			59		THHS(FAN2)	THHS(FAN2) [°C]		
BI			60		Dmnd	Demand		
BI			61		Dmnd2	Demand2		
BI			62		Ngt	Night		
BI			63		Ngt2	Night2		
BI			64		Snow	Snow		
BI			65		Pwr	Power source frequency		
BI			66		WM	WM		
AI			67		RotTm	Rotation timer		
BI			68		Rep	Repeater output		
BI			69		72C	72C		
BI			70		CompOn	Comp ON		
BI			71		M-NetSup	M-NET supply		
BI			72		IH	IH		
BI			73		H-Def1	H-Def1		
BI			74		H-Def2	H-Def2		



• PUHY-EP [capacity] (T/Y)NU-A.TH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2a	LEV2a [pls]		
PIV			11	LEV4	Linear expansion valve [pls]		
AI			12	Idc	Direct current [A]		
AI			13	Iu	U-Phase current effective value [A]		
AI			14	Iw	W-Phase current effective value [A]		
PIV			15	AL	AL		
AI			16	LA	LA		
PIV			17	FAN(rpm)	FAN(rpm) [rpm]		
PIV			18	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			19	FAN2	FAN2		
IV			20	Vdc	Bus voltage [V]		
PIV			21	LEV2b	LEV2b [pls]		
PIV			22	LEV2c	LEV2c [pls]		
PIV			23	LEV9	LEV9 [pls]		
AI			24	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			25	63LS	63LS Pressure sensor [kg/cm2]		
AI			26	TH2	Thermistor 2 [°C]		
AI			27	TH3	Thermistor 3 [°C]		
AI			28	TH4	Thermistor 4 [°C]		
AI			29	TH5	Thermistor 5 [°C]		
AI			30	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			31	TH7	Thermistor 7 [°C]		
AI			32	TH15	Thermistor 15 [°C]		
AI			33	FAN-Ver	Fan1 SW version		
AI			34	FAN2-Ver	Fan2 SW version		
PIV			35	Save	Capacity save signal [%]		
PIV			36	OpeS	Operation Status		
PIV			37	Attr	Attribute (OC/OS identification)		
PIV			38	M-NetSupUn	M-NET supply unit		
PIV			39	StrtUpUn	Start-up unit		
PIV			40	FAN-Fr	Fan1 run status		
PIV			41	FAN2-Fr	Fan2 run status		
BI			42	AF	Active Filter		
BI			43	RefChrgAdj	Ref Charge Adj		
BI			44	Pwr	Power source frequency		
BI			45	WM	WM		
BI			46	Rep	Repeater output		
BI			47	72C	72C		
BI			48	CompOn	Comp ON		
BI			49	M-NetSup	M-NET supply		
BI			50	IH	IH		
BI			51	H-Def1	H-Def1		
BI			52	H-Def2	H-Def2		
AI			53	SCo	Heat exchanger outlet subcooling [°C]		
AI			54	SCc	Coil outlet subcooling [°C]		
AI			55	SHb	Coil bypass outlet superheat [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			Index			
	VA						
AI				56	Tc	Condensing temperature [°C]	
AI				57	Te	Evaporating temperature [°C]	
AI				58	THHS	Thermistor 9 [°C]	
BI				59	21S4a	21S4a	
BI				60	21S4b	21S4b	
BI				61	21S4c	21S4c	
BI				62	SV1a	SV1(A)/SV1a	
BI				63	Dmnd	Demand	
BI				64	Dmnd2	Demand2	
BI				65	Ngt	Night	
BI				66	Ngt2	Night2	
BI				67	Snow	Snow	
BI				68	SV2	SV2	
BI				69	SV9	SV9	
BI				70	SV10	SV10	
BI				71	SV11	SV11	
IV				72	AK	Heat exchanger capacity	
AI				73	THHS(FAN1)	THHS(FAN1) [°C]	
AI				74	THHS(FAN2)	THHS(FAN2) [°C]	
AI				75	RotTm	Rotation timer	
PIV				76	Err	Error code	
PIV				77	ErrDet	Error detail code	
PIV				78	ErrSrc	Error source address	
PIV				79	MntErr	Maintenance error code	
PIV				80	MntErrDet	Maintenance error detail code	
PIV				81	MntErrSrc	Maintenance error source address	
PIV				82	PreErr	Preliminary error code	
PIV				83	PreErrDet	Preliminary error detail code	
PIV				84	PreErrSrc	Preliminary error source address	

• PUHY-EP [capacity] (T/Y)NU-A.TH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QcC	Total capacity Cool		
IV			07	QcH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2a	LEV2a [pls]		
PIV			10	LEV4	Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN2(rpm)	FAN2(rpm) [rpm]		
PIV			17	FAN2	FAN2		
IV			18	Vdc	Bus voltage [V]		
PIV			19	LEV2b	LEV2b [pls]		
PIV			20	LEV9	LEV9 [pls]		
AI			21	63HS1	63HS1 Pressure sensor [kg/cm2]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			22	63LS	63LS Pressure sensor [kg/cm2]		
AI			23	TH2	Thermistor 2 [°C]		
AI			24	TH3	Thermistor 3 [°C]		
AI			25	TH4	Thermistor 4 [°C]		
AI			26	TH5	Thermistor 5 [°C]		
AI			27	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			28	TH7	Thermistor 7 [°C]		
AI			29	TH15	Thermistor 15 [°C]		
AI			30	FAN-Ver	Fan1 SW version		
AI			31	FAN2-Ver	Fan2 SW version		
PIV			32	Save	Capacity save signal [%]		
PIV			33	OpeS	Operation Status		
PIV			34	Attr	Attribute (OC/OS identification)		
AI			35	SCo	Heat exchanger outlet subcooling [°C]		
AI			36	SCc	Coil outlet subcooling [°C]		
AI			37	SHb	Coil bypass outlet superheat [°C]		
AI			38	Tc	Condensing temperature [°C]		
AI			39	Te	Evaporating temperature [°C]		
AI			40	THHS	Thermistor 9 [°C]		
BI			41	21S4a	21S4a		
BI			42	21S4b	21S4b		
BI			43	SV1a	SV1(A)/SV1a		
BI			44	Dmnd	Demand		
BI			45	Dmnd2	Demand2		
BI			46	Ngd	Night		
BI			47	Ngd2	Night2		
BI			48	Snow	Snow		
BI			49	SV2	SV2		
BI			50	SV9	SV9		
BI			51	SV14	SV14		
BI			52	SV15	SV15		
BI			53	SV10	SV10		
IV			54	AK	Heat exchanger capacity		
AI			55	THHS(FAN1)	THHS(FAN1) [°C]		
AI			56	THHS(FAN2)	THHS(FAN2) [°C]		
PIV			57	FAN-Fr	Fan1 run status		
PIV			58	FAN2-Fr	Fan2 run status		
BI			59	AF	Active Filter		
BI			60	Pwr	Power source frequency		
BI			61	WM	WM		
BI			62	Rep	Repeater output		
BI			63	72C	72C		
BI			64	CompOn	Comp ON		
BI			65	M-NetSup	M-NET supply		
BI			66	IH	IH		
BI			67	H-Def1	H-Def1		
BI			68	H-Def2	H-Def2		
PIV			69	Err	Error code		
PIV			70	ErrDet	Error detail code		
PIV			71	ErrSrc	Error source address		
PIV			72	MntErr	Maintenance error code		
PIV			73	MntErrDet	Maintenance error detail code		
PIV			74	MntErrSrc	Maintenance error source address		
PIV			75	PrelErr	Preliminary error code		
PIV			76	PrelErrDet	Preliminary error detail code		
PIV			77	PrelErrSrc	Preliminary error source address		



• PUCY-P [capacity] YKA/YKD

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA			Index			
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
PIV			06	FAN	Fan output [Hz]		
IV			07	QjC	Total capacity Cool		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2	LEV2 Linear expansion valve [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	LA	LA		
PIV			15	FAN(rpm)	FAN(rpm) [rpm]		
PIV			16	FAN-Fr	Fan1 run status		
AI			17	Vdc	COMP bus voltage [V]		
AI			18	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			19	63LS	63LS Pressure sensor [kg/cm2]		
AI			20	TH2	Thermistor 2 [°C]		
AI			21	TH3	Thermistor 3 [°C]		
AI			22	TH4	Thermistor 4 [°C]		
AI			23	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			24	TH7	Thermistor 7 [°C]		
AI			25	FAN-Ver	Fan1 SW version		
PIV			26	Save	Capacity save signal [%]		
PIV			27	OpeS	Operation Status		
PIV			28	Attr	Attribute (OC/OS identification)		
PIV			29	M-NetSupUn	M-NET supply unit		
PIV			30	StrtUpUn	Start-up unit		
BI			31	AF	Active Filter		
AI			32	SCo	Heat exchanger outlet subcooling [°C]		
AI			33	SCc	Coil outlet subcooling [°C]		
AI			34	SHb	Coil bypass outlet superheat [°C]		
AI			35	Tc	Condensing temperature [°C]		
AI			36	Te	Evaporating temperature [°C]		
AI			37	THHS	Thermistor 9 [°C]		
BI			38	SV1a	SV1(A)/SV1a		
IV			39	AK	Heat exchanger capacity		
BI			40	Dmnd	Demand		
BI			41	Dmnd2	Demand2		
BI			42	Ng1	Night		
BI			43	Ng12	Night2		
BI			44	Snow	Snow		
BI			45	Pwr	Power source frequency		
BI			46	WM	WM		
AI			47	RotTm	Rotation timer		
BI			48	Rep	Repeater output		
BI			49	72C	72C		
BI			50	CompOn	Comp ON		
BI			51	M-NetSup	M-NET supply		
BI			52	IH	IH		

• PUCY-P [capacity] YKA/YKD(1)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
PIV			05	FAN	Fan output [Hz]		
IV			06	QjC	Total capacity Cool		
PIV			07	LEV1	LEV1 Linear expansion valve [pls]		
PIV			08	LEV2	LEV2 Linear expansion valve [pls]		
AI			09	Idc	Direct current [A]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
PIV			13	FAN(rpm)	FAN(rpm) [rpm]		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			21	TH7	Thermistor 7 [°C]		
AI			22	TH15	Thermistor 15 [°C]		
AI			23	FAN-Ver	Fan1 SW version		
PIV			24	Save	Capacity save signal [%]		
PIV			25	OpeS	Operation Status		
PIV			26	Attr	Attribute (OC/OS identification)		
AI			27	SCo	Heat exchanger outlet subcooling [°C]		
AI			28	SCc	Coil outlet subcooling [°C]		
AI			29	SHb	Coil bypass outlet superheat [°C]		
AI			30	Tc	Condensing temperature [°C]		
AI			31	Te	Evaporating temperature [°C]		
AI			32	THHS	Thermistor 9 [°C]		
IV			33	AK	Heat exchanger capacity		
AI			34	RotTm	Rotation timer		
BI			35	Dmnd	Demand		
BI			36	SV1a	SV1(A)/SV1a		
BI			37	Dmnd2	Demand2		
BI			38	Snow	Snow		
BI			39	Ng1	Night		
BI			40	Ng12	Night2		
BI			41	IH	IH		
PIV			42	FAN-Fr	Fan1 run status		
BI			43	AF	Active Filter		
BI			44	Pwr	Power source frequency		
BI			45	WM	WM		
BI			46	Rep	Repeater output		
BI			47	72C	72C		
BI			48	CompOn	Comp ON		
BI			49	M-NetSup	M-NET supply		

• PQRY-P [capacity] (T/Y)LMU-A(A1)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV					00	Type	Outdoor Unit Type Name



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
PIV			01	CtrlM		Control Mode	
PIV			02	OpeM		Operation Mode	
IV			03	F(Hz)		All temporary frequencies [Hz]	
PIV			04	F1		Temporary frequency of No.1 COMP [Hz]	
PIV			05	Foc		Temporary frequency [Hz]	
IV			06	QjC		Total capacity Cool	
IV			07	QjH		Total capacity Heat	
PIV			08	LEVINV		LEVINV [pls]	
PIV			09	LEV6		LEV6 [pls]	
PIV			10	LEV7		LEV7 [pls]	
AI			11	Idc		Direct current [A]	
AI			12	Iu		U-Phase current effective value [A]	
AI			13	Iw		W-Phase current effective value [A]	
PIV			14	AL		AL	
IV			15	Vdc		Bus voltage [V]	
AI			16	63HS1		63HS1 Pressure sensor [kg/cm2]	
AI			17	63LS		63LS Pressure sensor [kg/cm2]	
AI			18	TH4		Thermistor 4 [°C]	
AI			19	TH5		Thermistor 5 [°C]	
AI			20	TH7		Thermistor 7 [°C]	
AI			21	TH8		Thermistor 8 [°C]	
AI			22	FAN-Ver		Fan1 SW version	
PIV			23	Save		Capacity save signal [%]	
PIV			24	OpeS		Operation Status	
PIV			25	Attr		Attribute (OC/OS identification)	
PIV			26	M-NetSupUn		M-NET supply unit	
PIV			27	StrtUpUn		Start-up unit	
AI			28	Tc		Condensing temperature [°C]	
AI			29	Te		Evaporating temperature [°C]	
AI			30	THHS		Thermistor 9 [°C]	
AI			31	THINV		THINV [°C]	
AI			32	LX		LX	
IV			33	AK		Heat exchanger capacity	
AI			34	RotTm		Rotation timer	
BI			35	SV1a		SV1(A)/SV1a	
BI			36	Dmnd		Demand	
BI			37	Dmnd2		Demand2	
BI			38	Ng1		Night	
BI			39	Ng12		Night2	
BI			40	Snow		Snow	
BI			41	21S4a		21S4a	
BI			42	WM		WM	
BI			43	Rep		Repeater output	
BI			44	72C		72C	
BI			45	CompOn		Comp ON	
BI			46	M-NetSup		M-NET supply	
BI			47	IH		IH	
BI			48	SV9		SV9	
BI			49	SV4a		SV4a	
BI			50	SV4b		SV4b	
BI			51	SV4d		SV4d	
BI			52	SV7a		SV7a	
BI			53	SV7b		SV7b	
BI			54	UnOnOff		Unit On/Off	

- PQRY-P [capacity] (T/Y)LMU-A(A1)



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEVINV	LEVINV [pls]		
PIV			09	LEV6	LEV6 [pls]		
PIV			10	LEV7	LEV7 [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
IV			15	Vdc	Bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63LS	63LS Pressure sensor [kg/cm2]		
AI			18	TH4	Thermistor 4 [°C]		
AI			19	TH5	Thermistor 5 [°C]		
AI			20	TH7	Thermistor 7 [°C]		
AI			21	TH8	Thermistor 8 [°C]		
PIV			22	Save	Capacity save signal [%]		
PIV			23	OpeS	Operation Status		
PIV			24	Attr	Attribute (OC/OS identification)		
PIV			25	M-NetSupUn	M-NET supply unit		
PIV			26	StrtUpUn	Start-up unit		
AI			27	Tc	Condensing temperature [°C]		
AI			28	Te	Evaporating temperature [°C]		
AI			29	THHS	Thermistor 9 [°C]		
AI			30	THINV	THINV [°C]		
AI			31	LX	LX		
IV			32	AK	Heat exchanger capacity		
AI			33	RotTm	Rotation timer		
BI			34	SV1a	SV1(A)/SV1a		
BI			35	Dmnd	Demand		
BI			36	Dmnd2	Demand2		
BI			37	NgT	Night		
BI			38	NgT2	Night2		
BI			39	Snow	Snow		
BI			40	21S4a	21S4a		
BI			41	21S4b	21S4b		
BI			42	WM	WM		
BI			43	Rep	Repeater output		
BI			44	72C	72C		
BI			45	CompOn	Comp ON		
BI			46	M-NetSup	M-NET supply		
BI			47	IH	IH		
BI			48	SV9	SV9		
BI			49	SV4a	SV4a		
BI			50	SV4b	SV4b		
BI			51	SV4d	SV4d		
BI			52	SV7a	SV7a		
BI			53	SV7b	SV7b		
BI			54	UnOnOff	Unit On/Off		
BI			55	SV7c	SV7c		



• PQRYP [capacity] (T/Y)LMU-A(A1), PQRYP [capacity] YLM-A(A1/A2)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
IV			05	QjC	Total capacity Cool		
IV			06	QjH	Total capacity Heat		
PIV			07	LEVINV	LEVINV [pls]		
PIV			08	LEV6	LEV6 [pls]		
PIV			09	LEV7	LEV7 [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
IV			14	Vdc	Bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH4	Thermistor 4 [°C]		
AI			18	TH5	Thermistor 5 [°C]		
AI			19	TH7	Thermistor 7 [°C]		
AI			20	TH8	Thermistor 8 [°C]		
PIV			21	Save	Capacity save signal [%]		
PIV			22	OpeS	Operation Status		
PIV			23	Attr	Attribute (OC/OS identification)		
AI			24	Tc	Condensing temperature [°C]		
AI			25	Te	Evaporating temperature [°C]		
AI			26	THHS	Thermistor 9 [°C]		
AI			27	THINV	THINV [°C]		
IV			28	AK	Heat exchanger capacity		
BI			29	SV1a	SV1(A)/SV1a		
BI			30	Dmnd	Demand		
BI			31	Dmnd2	Demand2		
BI			32	Ngt	Night		
BI			33	Ngt2	Night2		
BI			34	Snow	Snow		
BI			35	21S4a	21S4a		
BI			36	WM	WM		
BI			37	Rep	Repeater output		
BI			38	72C	72C		
BI			39	CompOn	Comp ON		
BI			40	M-NetSup	M-NET supply		
BI			41	IH	IH		
BI			42	SV9	SV9		
BI			43	SV4a	SV4a		
BI			44	SV4b	SV4b		
BI			45	SV4d	SV4d		
BI			46	SV7a	SV7a		
BI			47	SV7b	SV7b		
BI			48	UnOnOff	Unit On/Off		

• PQRYP [capacity] YLM-A(A1/A2)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00			Type	Outdoor Unit Type Name



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEVINV	LEVINV [pls]		
PIV			09	LEV6	LEV6 [pls]		
PIV			10	LEV7	LEV7 [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
IV			15	Vdc	Bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63LS	63LS Pressure sensor [kg/cm2]		
AI			18	TH4	Thermistor 4 [°C]		
AI			19	TH5	Thermistor 5 [°C]		
AI			20	TH7	Thermistor 7 [°C]		
AI			21	TH8	Thermistor 8 [°C]		
PIV			22	Save	Capacity save signal [%]		
PIV			23	OpeS	Operation Status		
PIV			24	Attr	Attribute (OC/OS identification)		
PIV			25	M-NetSupUn	M-NET supply unit		
PIV			26	StrtUpUn	Start-up unit		
AI			27	Tc	Condensing temperature [°C]		
AI			28	Te	Evaporating temperature [°C]		
AI			29	THHS	Thermistor 9 [°C]		
AI			30	THINV	THINV [°C]		
AI			31	LX	LX		
IV			32	AK	Heat exchanger capacity		
AI			33	RotTm	Rotation timer		
BI			34	SV1a	SV1(A)/SV1a		
BI			35	Dmnd	Demand		
BI			36	Dmnd2	Demand2		
BI			37	NgT	Night		
BI			38	NgT2	Night2		
BI			39	Snow	Snow		
BI			40	21S4a	21S4a		
BI			41	WM	WM		
BI			42	Rep	Repeater output		
BI			43	72C	72C		
BI			44	CompOn	Comp ON		
BI			45	M-NetSup	M-NET supply		
BI			46	IH	IH		
BI			47	SV9	SV9		
BI			48	SV4a	SV4a		
BI			49	SV4b	SV4b		
BI			50	SV4d	SV4d		
BI			51	SV7a	SV7a		
BI			52	SV7b	SV7b		
BI			53	UnOnOff	Unit On/Off		

- PQRYP [capacity]



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEVINV	LEVINV [pls]		
AI			09	Idc	Direct current [A]		
AI			10	Iu	U-Phase current effective value [A]		
AI			11	Iw	W-Phase current effective value [A]		
PIV			12	AL	AL		
AI			13	Vdc	COMP bus voltage [V]		
AI			14	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			15	63LS	63LS Pressure sensor [kg/cm2]		
AI			16	TH4	Thermistor 4 [°C]		
AI			17	TH5	Thermistor 5 [°C]		
AI			18	TH7	Thermistor 7 [°C]		
AI			19	TH8	Thermistor 8 [°C]		
AI			20	FAN-Ver	Fan1 SW version		
PIV			21	Save	Capacity save signal [%]		
PIV			22	OpeS	Operation Status		
PIV			23	Attr	Attribute (OC/OS identification)		
PIV			24	M-NetSupUn	M-NET supply unit		
PIV			25	StrtUpUn	Start-up unit		
AI			26	Tc	Condensing temperature [°C]		
AI			27	Te	Evaporating temperature [°C]		
AI			28	THHS	Thermistor 9 [°C]		
AI			29	THINV	THINV [°C]		
AI			30	LX	LX		
IV			31	AK	Heat exchanger capacity		
AI			32	RotTm	Rotation timer		
BI			33	SV1a	SV1(A)/SV1a		
BI			34	Dmnd	Demand		
BI			35	Dmnd2	Demand2		
BI			36	Ngt	Night		
BI			37	Ngt2	Night2		
BI			38	21S4a	21S4a		
BI			39	Pwr	Power source frequency		
BI			40	WM	WM		
BI			41	Rep	Repeater output		
BI			42	M-NetSup	M-NET supply		
BI			43	SV9	SV9		
BI			44	SV4a	SV4a		
BI			45	SV4b	SV4b		
BI			46	SV4d	SV4d		
BI			47	INV-FAN1	INV-FAN1		
BI			48	SV7a	SV7a		
BI			49	SV7b	SV7b		
BI			50	UnOnOff	Unit On/Off		

- PQHY-P [capacity] (T/Y)LMU-A(A1)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV		00	Type		Outdoor Unit Type Name		
PIV		01	CtrlM		Control Mode		
PIV		02	OpeM		Operation Mode		
IV		03	F(Hz)		All temporary frequencies [Hz]		
PIV		04	F1		Temporary frequency of No.1 COMP [Hz]		
PIV		05	Foc		Temporary frequency [Hz]		
IV		06	QjC		Total capacity Cool		
IV		07	QjH		Total capacity Heat		
PIV		08	LEV1		LEV1 Linear expansion valve [pls]		
PIV		09	LEVINV		LEVINV [pls]		
PIV		10	LEV6		LEV6 [pls]		
PIV		11	LEV7		LEV7 [pls]		
AI		12	Idc		Direct current [A]		
AI		13	Iu		U-Phase current effective value [A]		
AI		14	Iw		W-Phase current effective value [A]		
PIV		15	AL		AL		
AI		16	LA		LA		
IV		17	Vdc		Bus voltage [V]		
AI		18	63HS1		63HS1 Pressure sensor [kg/cm2]		
AI		19	63LS		63LS Pressure sensor [kg/cm2]		
AI		20	TH2		Thermistor 2 [°C]		
AI		21	TH3		Thermistor 3 [°C]		
AI		22	TH4		Thermistor 4 [°C]		
AI		23	TH5		Thermistor 5 [°C]		
AI		24	TH6		Inlet pipe temperature of the heat exchanger [°C]		
AI		25	TH7		Thermistor 7 [°C]		
AI		26	TH8		Thermistor 8 [°C]		
PIV		27	Save		Capacity save signal [%]		
PIV		28	OpeS		Operation Status		
PIV		29	Attr		Attribute (OC/OS identification)		
PIV		30	M-NetSupUn		M-NET supply unit		
PIV		31	StrtUpUn		Start-up unit		
AI		32	SCo		Heat exchanger outlet subcooling [°C]		
AI		33	SCc		Coil outlet subcooling [°C]		
AI		34	SHb		Coil bypass outlet superheat [°C]		
AI		35	Tc		Condensing temperature [°C]		
AI		36	Te		Evaporating temperature [°C]		
AI		37	THHS		Thermistor 9 [°C]		
AI		38	THINV		THINV [°C]		
IV		39	AK		Heat exchanger capacity		
AI		40	RotTm		Rotation timer		
BI		41	Dmnd		Demand		
BI		42	SV1a		SV1(A)/SV1a		
BI		43	Dmnd2		Demand2		
BI		44	Snow		Snow		
BI		45	Ngt		Night		
BI		46	Ngt2		Night2		
BI		47	21S4a		21S4a		
BI		48	IH		IH		
BI		49	Pwr		Power source frequency		
BI		50	WM		WM		
BI		51	Rep		Repeater output		
BI		52	72C		72C		
BI		53	CompOn		Comp ON		
BI		54	M-NetSup		M-NET supply		
BI		55	SV4a		SV4a		
BI		56	SV4b		SV4b		
BI		57	SV4d		SV4d		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	58				INV-FAN1	INV-FAN1	
BI	59				SV7a	SV7a	
BI	60				SV7b	SV7b	
BI	61				UnOnOff	Unit On/Off	

• PQHY-P [capacity] (T/Y)LMU-A(A1)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	CtrlM	Control Mode
PIV					02	OpeM	Operation Mode
IV					03	F(Hz)	All temporary frequencies [Hz]
PIV					04	F1	Temporary frequency of No.1 COMP [Hz]
PIV					05	Foc	Temporary frequency [Hz]
IV					06	QjC	Total capacity Cool
IV					07	QjH	Total capacity Heat
PIV					08	LEV1	LEV1 Linear expansion valve [pls]
PIV					09	LEVINV	LEVINV [pls]
PIV					10	LEV6	LEV6 [pls]
PIV					11	LEV7	LEV7 [pls]
AI					12	Idc	Direct current [A]
AI					13	Iu	U-Phase current effective value [A]
AI					14	Iw	W-Phase current effective value [A]
PIV					15	AL	AL
AI					16	LA	LA
IV					17	Vdc	Bus voltage [V]
AI					18	63HS1	63HS1 Pressure sensor [kg/cm2]
AI					19	63LS	63LS Pressure sensor [kg/cm2]
AI					20	TH2	Thermistor 2 [°C]
AI					21	TH3	Thermistor 3 [°C]
AI					22	TH4	Thermistor 4 [°C]
AI					23	TH5	Thermistor 5 [°C]
AI					24	TH6	Inlet pipe temperature of the heat exchanger [°C]
AI					25	TH7	Thermistor 7 [°C]
AI					26	TH8	Thermistor 8 [°C]
PIV					27	Save	Capacity save signal [%]
PIV					28	OpeS	Operation Status
PIV					29	Attr	Attribute (OC/OS identification)
PIV					30	M-NetSupUn	M-NET supply unit
PIV					31	StrtUpUn	Start-up unit
AI					32	SCo	Heat exchanger outlet subcooling [°C]
AI					33	SCc	Coil outlet subcooling [°C]
AI					34	SHb	Coil bypass outlet superheat [°C]
AI					35	Tc	Condensing temperature [°C]
AI					36	Te	Evaporating temperature [°C]
AI					37	THHS	Thermistor 9 [°C]
AI					38	THINV	THINV [°C]
IV					39	AK	Heat exchanger capacity
AI					40	RotTm	Rotation timer
BI					41	Dmnd	Demand
BI					42	SV1a	SV1(A)/SV1a
BI					43	Dmnd2	Demand2
BI					44	Snow	Snow
BI					45	Ngt	Night
BI					46	Ngt2	Night2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	47				21S4a	21S4a	
BI	48				21S4b	21S4b	
BI	49				IH	IH	
BI	50				Pwr	Power source frequency	
BI	51				WM	WM	
BI	52				Rep	Repeater output	
BI	53				72C	72C	
BI	54				CompOn	Comp ON	
BI	55				M-NetSup	M-NET supply	
BI	56				SV4a	SV4a	
BI	57				SV4b	SV4b	
BI	58				SV4d	SV4d	
BI	59				INV-FAN1	INV-FAN1	
BI	60				SV7a	SV7a	
BI	61				SV7b	SV7b	
BI	62				UnOnOff	Unit On/Off	
BI	63				SV7c	SV7c	

• PQHY-P [capacity] (T/Y)LMU-A(A1)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	CtrlM	Control Mode
PIV					02	OpeM	Operation Mode
PIV					03	F1	Temporary frequency of No.1 COMP [Hz]
PIV					04	Fos	Temporary frequency [Hz]
IV					05	QjC	Total capacity Cool
IV					06	QjH	Total capacity Heat
PIV					07	LEV1	LEV1 Linear expansion valve [pls]
PIV					08	LEVINV	LEVINV [pls]
PIV					09	LEV6	LEV6 [pls]
PIV					10	LEV7	LEV7 [pls]
AI					11	Idc	Direct current [A]
AI					12	Iu	U-Phase current effective value [A]
AI					13	Iw	W-Phase current effective value [A]
PIV					14	AL	AL
IV					15	Vdc	Bus voltage [V]
AI					16	63HS1	63HS1 Pressure sensor [kg/cm2]
AI					17	63LS	63LS Pressure sensor [kg/cm2]
AI					18	TH2	Thermistor 2 [°C]
AI					19	TH3	Thermistor 3 [°C]
AI					20	TH4	Thermistor 4 [°C]
AI					21	TH5	Thermistor 5 [°C]
AI					22	TH6	Inlet pipe temperature of the heat exchanger [°C]
AI					23	TH7	Thermistor 7 [°C]
AI					24	TH8	Thermistor 8 [°C]
PIV					25	Save	Capacity save signal [%]
PIV					26	OpeS	Operation Status
PIV					27	Attr	Attribute (OC/OS identification)
AI					28	SCo	Heat exchanger outlet subcooling [°C]
AI					29	SCc	Coil outlet subcooling [°C]
AI					30	SHb	Coil bypass outlet superheat [°C]
AI					31	Tc	Condensing temperature [°C]
AI					32	Te	Evaporating temperature [°C]
AI					33	THHS	Thermistor 9 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			Index			
	VA						
AI				34	THINV	THINV [°C]	
IV				35	AK	Heat exchanger capacity	
BI				36	Dmnd	Demand	
BI				37	SV1a	SV1(A)/SV1a	
BI				38	Dmnd2	Demand2	
BI				39	Snow	Snow	
BI				40	Ngt	Night	
BI				41	Ngt2	Night2	
BI				42	21S4a	21S4a	
BI				43	21S4b	21S4b	
BI				44	IH	IH	
BI				45	Pwr	Power source frequency	
BI				46	WM	WM	
BI				47	Rep	Repeater output	
BI				48	72C	72C	
BI				49	CompOn	Comp ON	
BI				50	M-NetSup	M-NET supply	
BI				51	SV4a	SV4a	
BI				52	SV4b	SV4b	
BI				53	SV4d	SV4d	
BI				54	INV-FAN1	INV-FAN1	
BI				55	SV7a	SV7a	
BI				56	SV7b	SV7b	
BI				57	UnOnOff	Unit On/Off	
BI				58	SV7c	SV7c	

• PQHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
PIV			03	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			04	Fos	Temporary frequency [Hz]		
IV			05	QjC	Total capacity Cool		
IV			06	QjH	Total capacity Heat		
PIV			07	LEV1	LEV1 Linear expansion valve [pls]		
PIV			08	LEV2a.b	LEV2a.b [pls]		
PIV			09	LEVINV	LEVINV [pls]		
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH5	Thermistor 5 [°C]		
AI			21	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			22	TH7	Thermistor 7 [°C]		
AI			23	TH8	Thermistor 8 [°C]		
PIV			24	Save	Capacity save signal [%]		
PIV			25	OpeS	Operation Status		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV			26		Attr	Attribute (OC/OS identification)	
AI			27		SCo	Heat exchanger outlet subcooling [°C]	
AI			28		SCc	Coil outlet subcooling [°C]	
AI			29		SHb	Coil bypass outlet superheat [°C]	
AI			30		Tc	Condensing temperature [°C]	
AI			31		Te	Evaporating temperature [°C]	
AI			32		THHS	Thermistor 9 [°C]	
AI			33		THINV	THINV [°C]	
IV			34		AK	Heat exchanger capacity	
AI			35		RotTm	Rotation timer	
BI			36		Dmnd	Demand	
BI			37		SV1a	SV1(A)/SV1a	
BI			38		Dmnd2	Demand2	
BI			39		Ng1	Night	
BI			40		Ng2	Night2	
BI			41		21S4a	21S4a	
BI			42		Pwr	Power source frequency	
BI			43		WM	WM	
BI			44		Rep	Repeater output	
BI			45		72C	72C	
BI			46		CompOn	Comp ON	
BI			47		M-NetSup	M-NET supply	
BI			48		CH11	CH11	
BI			49		SV9	SV9	
BI			50		SV4a	SV4a	
BI			51		SV4b	SV4b	
BI			52		SV4d	SV4d	
BI			53		INV-FAN1	INV-FAN1	
BI			54		SV7a	SV7a	
BI			55		SV7b	SV7b	
BI			56		UnOnOff	Unit On/Off	

• PQHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	CtrlM	Control Mode		
PIV			02	OpeM	Operation Mode		
IV			03	F(Hz)	All temporary frequencies [Hz]		
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]		
PIV			05	Foc	Temporary frequency [Hz]		
IV			06	QjC	Total capacity Cool		
IV			07	QjH	Total capacity Heat		
PIV			08	LEV1	LEV1 Linear expansion valve [pls]		
PIV			09	LEV2a.b	LEV2a.b [pls]		
PIV			10	LEVINV	LEVINV [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	LA	LA		
AI			16	Vdc	COMP bus voltage [V]		
AI			17	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			18	63LS	63LS Pressure sensor [kg/cm2]		
AI			19	TH2	Thermistor 2 [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			20		TH3	Thermistor 3 [°C]	
AI			21		TH4	Thermistor 4 [°C]	
AI			22		TH5	Thermistor 5 [°C]	
AI			23		TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI			24		TH7	Thermistor 7 [°C]	
AI			25		TH8	Thermistor 8 [°C]	
PIV			26		Save	Capacity save signal [%]	
PIV			27		OpeS	Operation Status	
PIV			28		Attr	Attribute (OC/OS identification)	
PIV			29		M-NetSupUn	M-NET supply unit	
PIV			30		StrtUpUn	Start-up unit	
AI			31		SCo	Heat exchanger outlet subcooling [°C]	
AI			32		SCc	Coil outlet subcooling [°C]	
AI			33		SHb	Coil bypass outlet superheat [°C]	
AI			34		Tc	Condensing temperature [°C]	
AI			35		Te	Evaporating temperature [°C]	
AI			36		THHS	Thermistor 9 [°C]	
AI			37		THINV	THINV [°C]	
IV			38		AK	Heat exchanger capacity	
AI			39		RotTm	Rotation timer	
BI			40		SV1a	SV1(A)/SV1a	
BI			41		Dmnd	Demand	
BI			42		Dmnd2	Demand2	
BI			43		Ngt	Night	
BI			44		Ngt2	Night2	
BI			45		21S4a	21S4a	
BI			46		Pwr	Power source frequency	
BI			47		WM	WM	
BI			48		Rep	Repeater output	
BI			49		72C	72C	
BI			50		CompOn	Comp ON	
BI			51		M-NetSup	M-NET supply	
BI			52		CH11	CH11	
BI			53		SV9	SV9	
BI			54		SV4a	SV4a	
BI			55		SV4b	SV4b	
BI			56		SV4d	SV4d	
BI			57		INV-FAN1	INV-FAN1	
BI			58		SV7a	SV7a	
BI			59		SV7b	SV7b	
BI			60		UnOnOff	Unit On/Off	

• PUHV-P [capacity] CM-E/...

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				04	F1	Temporary frequency of No.1 COMP [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QjC	Total capacity Cool	
IV				08	QjH	Total capacity Heat	
PIV				09	LEV1	LEV1 Linear expansion valve [pls]	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			10	Idc	Direct current [A]		
AI			11	Iu	U-Phase current effective value [A]		
AI			12	Iw	W-Phase current effective value [A]		
PIV			13	AL	AL		
AI			14	Vdc	COMP bus voltage [V]		
AI			15	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			16	63LS	63LS Pressure sensor [kg/cm2]		
AI			17	TH2	Thermistor 2 [°C]		
AI			18	TH3	Thermistor 3 [°C]		
AI			19	TH4	Thermistor 4 [°C]		
AI			20	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			21	TH7	Thermistor 7 [°C]		
AI			22	FAN-Ver	Fan1 SW version		
PIV			23	Save	Capacity save signal [%]		
PIV			24	OpeS	Operation Status		
PIV			25	Attr	Attribute (OC/OS identification)		
PIV			26	M-NetSupUn	M-NET supply unit		
PIV			27	StrtUpUn	Start-up unit		
AI			28	SCo	Heat exchanger outlet subcooling [°C]		
AI			29	SCc	Coil outlet subcooling [°C]		
AI			30	SHb	Coil bypass outlet superheat [°C]		
AI			31	Tc	Condensing temperature [°C]		
AI			32	Te	Evaporating temperature [°C]		
AI			33	THHS	Thermistor 9 [°C]		
AI			34	THBOX	Thermistor in box [°C]		
IV			35	AK	Heat exchanger capacity		
AI			36	RotTm	Rotation timer		
BI			37	SV1a	SV1(A)/SV1a		
BI			38	Dmnd	Demand		
BI			39	Dmnd2	Demand2		
BI			40	Ngt	Night		
BI			41	Ngt2	Night2		
BI			42	Snow	Snow		
BI			43	21S4a	21S4a		
BI			44	21S4b	21S4b		
BI			45	SV5b	SV5b		
BI			46	Pwr	Power source frequency		
BI			47	WM	WM		
BI			48	Rep	Repeater output		
BI			49	72C	72C		
BI			50	CompOn	Comp ON		
BI			51	M-NetSup	M-NET supply		
BI			52	CH11	CH11		
BI			53	INV-FAN1	INV-FAN1		

• PUHV-P [capacity] SCM-E/...

Object Identifier bits						Short Name	Object Description	
31	22	21	8	7	0			
Type	Instance		VA	Index				
CSV			00	Type	Outdoor Unit Type Name			
PIV			01	CtrlM	Control Mode			
PIV			02	OpeM	Operation Mode			
IV			03	F(Hz)	All temporary frequencies [Hz]			
PIV			04	F1	Temporary frequency of No.1 COMP [Hz]			
PIV			05	Foc	Temporary frequency [Hz]			
PIV			06	FAN	Fan output [Hz]			



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV			07	QjC	Total capacity Cool		
IV			08	QjH	Total capacity Heat		
PIV			09	LEV1	LEV1 Linear expansion valve [pls]		
PIV			10	LEV2	LEV2 Linear expansion valve [pls]		
AI			11	Idc	Direct current [A]		
AI			12	Iu	U-Phase current effective value [A]		
AI			13	Iw	W-Phase current effective value [A]		
PIV			14	AL	AL		
AI			15	Vdc	COMP bus voltage [V]		
AI			16	63HS1	63HS1 Pressure sensor [kg/cm2]		
AI			17	63LS	63LS Pressure sensor [kg/cm2]		
AI			18	TH2	Thermistor 2 [°C]		
AI			19	TH3	Thermistor 3 [°C]		
AI			20	TH4	Thermistor 4 [°C]		
AI			21	TH5	Thermistor 5 [°C]		
AI			22	TH6	Inlet pipe temperature of the heat exchanger [°C]		
AI			23	TH7	Thermistor 7 [°C]		
AI			24	FAN-Ver	Fan1 SW version		
PIV			25	Save	Capacity save signal [%]		
PIV			26	OpeS	Operation Status		
PIV			27	Attr	Attribute (OC/OS identification)		
PIV			28	M-NetSupUn	M-NET supply unit		
PIV			29	StrtUpUn	Start-up unit		
AI			30	SCo	Heat exchanger outlet subcooling [°C]		
AI			31	SCc	Coil outlet subcooling [°C]		
AI			32	SHb	Coil bypass outlet superheat [°C]		
AI			33	Tc	Condensing temperature [°C]		
AI			34	Te	Evaporating temperature [°C]		
AI			35	THHS	Thermistor 9 [°C]		
AI			36	THBOX	Thermistor in box [°C]		
IV			37	AK	Heat exchanger capacity		
AI			38	RotTm	Rotation timer		
BI			39	SV1a	SV1(A)/SV1a		
BI			40	Dmnd	Demand		
BI			41	Dmnd2	Demand2		
BI			42	Ngt	Night		
BI			43	Ngt2	Night2		
BI			44	Snow	Snow		
BI			45	21S4a	21S4a		
BI			46	Pwr	Power source frequency		
BI			47	WM	WM		
BI			48	Rep	Repeater output		
BI			49	72C	72C		
BI			50	CompOn	Comp ON		
BI			51	M-NetSup	M-NET supply		
BI			52	CH11	CH11		
BI			53	INV-FAN1	INV-FAN1		

• **PUHV-P [capacity] SCM-E/...**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				CtrlM	Control Mode	
PIV	02				OpeM	Operation Mode	
PIV	03				F1	Temporary frequency of No.1 COMP [Hz]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV				04	Fos	Temporary frequency [Hz]	
PIV				05	FAN	Fan output [Hz]	
IV				06	QjC	Total capacity Cool	
IV				07	QjH	Total capacity Heat	
PIV				08	LEV1	LEV1 Linear expansion valve [pls]	
PIV				09	LEV2	LEV2 Linear expansion valve [pls]	
AI				10	Idc	Direct current [A]	
AI				11	Iu	U-Phase current effective value [A]	
AI				12	Iw	W-Phase current effective value [A]	
PIV				13	AL	AL	
AI				14	Vdc	COMP bus voltage [V]	
AI				15	63HS1	63HS1 Pressure sensor [kg/cm2]	
AI				16	63LS	63LS Pressure sensor [kg/cm2]	
AI				17	TH2	Thermistor 2 [°C]	
AI				18	TH3	Thermistor 3 [°C]	
AI				19	TH4	Thermistor 4 [°C]	
AI				20	TH5	Thermistor 5 [°C]	
AI				21	TH6	Inlet pipe temperature of the heat exchanger [°C]	
AI				22	TH7	Thermistor 7 [°C]	
AI				23	FAN-Ver	Fan1 SW version	
PIV				24	Save	Capacity save signal [%]	
PIV				25	OpeS	Operation Status	
PIV				26	Attr	Attribute (OC/OS identification)	
AI				27	SCo	Heat exchanger outlet subcooling [°C]	
AI				28	SCc	Coil outlet subcooling [°C]	
AI				29	SHb	Coil bypass outlet superheat [°C]	
AI				30	Tc	Condensing temperature [°C]	
AI				31	Te	Evaporating temperature [°C]	
AI				32	THHS	Thermistor 9 [°C]	
AI				33	THBOX	Thermistor in box [°C]	
IV				34	AK	Heat exchanger capacity	
AI				35	RotTm	Rotation timer	
BI				36	SV1a	SV1(A)/SV1a	
BI				37	Dmnd	Demand	
BI				38	Dmnd2	Demand2	
BI				39	Ngt	Night	
BI				40	Ngt2	Night2	
BI				41	Snow	Snow	
BI				42	21S4a	21S4a	
BI				43	Pwr	Power source frequency	
BI				44	WM	WM	
BI				45	Rep	Repeater output	
BI				46	72C	72C	
BI				47	CompOn	Comp ON	
BI				48	M-NetSup	M-NET supply	
BI				49	CH11	CH11	
BI				50	INV-FAN1	INV-FAN1	

• CAHV-P [capacity] YA/YB-HPB

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
VA	Index						
CSV	00					Type	Outdoor Unit Type Name
AI	01					TH1	TH1 [°C]
AI	02					TH2	TH2 [°C]
AI	03					TH3	TH3 [°C]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
VA		Index				
AI				04	TH4	TH4 [°C]
AI				05	TH5	TH5 [°C]
AI				06	TH6	TH6 [°C]
AI				07	TH7	TH7 [°C]
AI				08	TH8	TH8 [°C]
AI				09	TH9	TH9 [°C]
AI				10	TH10	TH10 [°C]
AI				11	TH11	TH11 [°C]
AI				12	TH12	TH12 [°C]
AI				13	TH13	TH13 [°C]
AI				14	TH14	TH14 [°C]
AI				15	TH15	TH15 [°C]
AI				16	TH16	TH16 [°C]
AI				17	THc10	THc10 [°C]
AI				18	THc11	THc11 [°C]
AI				19	THc12	THc12 [°C]
AI				20	THc13	THc13 [°C]
AI				21	THc14	THc14 [°C]
AI				22	THc15	THc15 [°C]

• **CMB-WP [capacity] V-GA1, CMB-WM [capacity] V-AA**

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
VA		Index				
CSV				00	Type	Outdoor Unit Type Name
AI				01	TH11	Liquid-side refrigerant temp. of Heating-main heat exchanger
AI				02	TH12	Liquid-side refrigerant temp. of Cooling-main heat exchanger
AI				03	TH13	TH13
AI				04	TH14	TH13
AI				05	TH15	Bypass inlet temperature
AI				06	TH16	Bypass outlet temperature
AI				07	TH31a	TH31a
AI				08	TH31b	TH31b
AI				09	TH31c	TH31c
AI				10	TH31d	TH31d
AI				11	TH31e	TH31e
AI				12	TH31f	TH31f
AI				13	TH31g	TH31g
AI				14	TH31h	TH31h
AI				15	TH31i	TH31i
AI				16	TH31j	TH31j
AI				17	TH32	Outlet water temp. of Heating-main heat exchanger
AI				18	TH33	Outlet water temp. of Cooling-main heat exchanger
AI				19	TH34	TH34
AI				20	TH35	TH35
AI				21	PS1	Detects the high pressure at the liquid side.
AI				22	PS3	Detects the low pressure.
AI				23	TH31k	TH31k
AI				24	TH31l	TH31l
AI				25	TH31m	TH31m
AI				26	TH31n	TH31n
AI				27	TH31o	TH31o
AI				28	TH31p	TH31p
AI				29	SH1	Superheat at bypass exit area. TH13-TH11 (only HB)
AI				30	SH2	BC SH2 [°C]
AI				31	SC1	BC SC1 [°C]



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
AI			32	SC2	Subcool at liquid entrance area. PT1-TH12 (only HB)		
AI			33	PT1	Average of saturation gas temperature		
AI			34	dPHM	BC dPHM [kg/cm2]		
BI			35	PS	Power failure detection		
BI			36	Float	Float SW		
BI			37	FICon	Float SW		
BI			38	Debris	Debris removal operation		
BI			39	AirVent	Air vent operation		
BI			40	SVM1	Solenoid valve		
BI			41	21S4Ma	21S4Ma		
BI			42	21S4Mb	21S4Mb		
PIV			43	PumpI1	number of rotations		
PIV			44	PumpI2	number of rotations		
PIV			45	PumpO1	variable for control		
PIV			46	PumpO2	variable for control		
PIV			47	HBSig	Outdoor unit operation control signal to OC		
PIV			48	OCSig	Indoor unit operation control signal from OC		
IV			49	QjC	Total capacity Cool		
IV			50	QjH	Total capacity Heat		
PIV			51	L1	BC L1 Liquid level control		
PIV			52	L2	BC L2 Liquid level control		
PIV			53	L3	BC L3 Liquid level control		
IV			54	VB3a	3-way valve VB3a		
IV			55	VB3b	3-way valve VB3b		
IV			56	VB3c	3-way valve VB3c		
IV			57	VB3d	3-way valve VB3d		
IV			58	VB3e	3-way valve VB3e		
IV			59	VB3f	3-way valve VB3f		
IV			60	VB3g	3-way valve VB3g		
IV			61	VB3h	3-way valve VB3h		
IV			62	VB3i	3-way valve VB3i		
IV			63	VB3j	3-way valve VB3j		
IV			64	VB3k	3-way valve VB3k		
IV			65	VB3l	3-way valve VB3l		
IV			66	VB3m	3-way valve VB3m		
IV			67	VB3n	3-way valve VB3n		
IV			68	VB3o	3-way valve VB3o		
IV			69	VB3p	3-way valve VB3p		

• BC

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	T1	BC T1 [°C]		
AI			02	T2	BC T2 [°C]		
AI			03	T3	BC T3 [°C]		
AI			04	T4	BC T4 [°C]		
AI			05	T5	BC T5 [°C]		
AI			06	T6	BC T6 [°C]		
AI			07	P1	BC P1 High pressure [kg/cm2]		
AI			08	P2	BC P2 High pressure [kg/cm2]		
AI			09	P3	BC P3 Intermediate pressure [kg/cm2]		
PIV			10	L1	BC L1 Liquid level control		
PIV			11	L2	BC L2 Liquid level control		
PIV			12	L3	BC L3 Liquid level control		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	13						L4

• BC(main)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00						Type
AI	01				T1	BC T1 [°C]	
AI	02				T2	BC T2 [°C]	
AI	03				T5	BC T5 [°C]	
AI	04				T6	BC T6 [°C]	
AI	05				P1	BC P1 High pressure [kg/cm2]	
AI	06				P3	BC P3 Intermediate pressure [kg/cm2]	
PIV	07				L1	BC L1 Liquid level control	
PIV	08				L3	BC L3 Liquid level control	

• BC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV				00	Type	Outdoor Unit Type Name	
AI				01	T1	BC T1 [°C]	
AI				02	T2	BC T2 [°C]	
AI				03	T5	BC T5 [°C]	
AI				04	T6	BC T6 [°C]	
AI				05	P1	BC P1 High pressure [kg/cm2]	
AI				06	P3	BC P3 Intermediate pressure [kg/cm2]	
PIV				07	L1	BC L1 Liquid level control	
PIV				08	L3	BC L3 Liquid level control	
AI				09	dPHM	BC dPHM [kg/cm2]	
AI				10	SC1	BC SC1 [°C]	
AI				11	SC6	BC SC6 [°C]	
AI				12	SH2	BC SH2 [°C]	
BI				13	1a	1a	
BI				14	2a	2a	
BI				15	3a	3a	
BI				16	4a	4a	
BI				17	5a	5a	
BI				18	6a	6a	
BI				19	7a	7a	
BI				20	8a	8a	
BI				21	9a	9a	
BI				22	Aa	Aa	
BI				23	Ba	Ba	
BI				24	Ca	Ca	
BI				25	Da	Da	
BI				26	Ea	Ea	
BI				27	Fa	Fa	
BI				28	0a	0a	
BI				29	1b	1b	
BI				30	2b	2b	
BI				31	3b	3b	
BI				32	4b	4b	
BI				33	5b	5b	
BI				34	6b	6b	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	35				7b	7b	
BI	36				8b	8b	
BI	37				9b	9b	
BI	38				Ab	Ab	
BI	39				Bb	Bb	
BI	40				Cb	Cb	
BI	41				Db	Db	
BI	42				Eb	Eb	
BI	43				Fb	Fb	
BI	44				Ob	Ob	
BI	45				1c	1c	
BI	46				2c	2c	
BI	47				3c	3c	
BI	48				4c	4c	
BI	49				5c	5c	
BI	50				6c	6c	
BI	51				7c	7c	
BI	52				8c	8c	
BI	53				9c	9c	
BI	54				Ac	Ac	
BI	55				Bc	Bc	
BI	56				Cc	Cc	
BI	57				Dc	Dc	
BI	58				Ec	Ec	
BI	59				Fc	Fc	
BI	60				0c	0c	
BI	61				SVM	SVM	

• BC(main)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
AI					01	T1	BC T1 [°C]
AI					02	T2	BC T2 [°C]
AI					03	T5	BC T5 [°C]
AI					04	T6	BC T6 [°C]
AI					05	P1	BC P1 High pressure [kg/cm2]
AI					06	P3	BC P3 Intermediate pressure [kg/cm2]
PIV					07	L1	BC L1 Liquid level control
PIV					08	L2	BC L2 Liquid level control
PIV					09	L3	BC L3 Liquid level control

• BC(sub)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
VA	Index						
CSV					00	Type	Outdoor Unit Type Name
AI					01	T2	BC T2 [°C]
AI					02	T5	BC T5 [°C]
PIV					03	L3	BC L3 Liquid level control

• BC(J)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
AI			01	T1	BC T1 [°C]		
AI			02	T2	BC T2 [°C]		
AI			03	T5	BC T5 [°C]		
AI			04	T6	BC T6 [°C]		
AI			05	P1	BC P1 High pressure [kg/cm2]		
AI			06	P3	BC P3 Intermediate pressure [kg/cm2]		
PIV			07	L1	BC L1 Liquid level control		
PIV			08	L3	BC L3 Liquid level control		
AI			09	dPHM	BC dPHM [kg/cm2]		
AI			10	SC1	BC SC1 [°C]		
AI			11	SC6	BC SC6 [°C]		
AI			12	SH2	BC SH2 [°C]		
BI			13	1a	1a		
BI			14	2a	2a		
BI			15	3a	3a		
BI			16	4a	4a		
BI			17	5a	5a		
BI			18	6a	6a		
BI			19	7a	7a		
BI			20	8a	8a		
BI			21	9a	9a		
BI			22	Aa	Aa		
BI			23	Ba	Ba		
BI			24	Ca	Ca		
BI			25	Da	Da		
BI			26	Ea	Ea		
BI			27	Fa	Fa		
BI			28	0a	0a		
BI			29	1b	1b		
BI			30	2b	2b		
BI			31	3b	3b		
BI			32	4b	4b		
BI			33	5b	5b		
BI			34	6b	6b		
BI			35	7b	7b		
BI			36	8b	8b		
BI			37	9b	9b		
BI			38	Ab	Ab		
BI			39	Bb	Bb		
BI			40	Cb	Cb		
BI			41	Db	Db		
BI			42	Eb	Eb		
BI			43	Fb	Fb		
BI			44	0b	0b		
BI			45	1c	1c		
BI			46	2c	2c		
BI			47	3c	3c		
BI			48	4c	4c		
BI			49	5c	5c		
BI			50	6c	6c		
BI			51	7c	7c		
BI			52	8c	8c		
BI			53	9c	9c		
BI			54	Ac	Ac		
BI			55	Bc	Bc		
BI			56	Cc	Cc		
BI			57	Dc	Dc		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	58					Ec	Ec
BI	59					Fc	Fc
BI	60					0c	0c
PIV	61					BCSig	BC controller operation control signal
PIV	62					OCSig	Indoor unit operation control signal from OC

- **BC(JA), BC(KA)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
AI	01				T1	BC T1 [°C]	
AI	02				T2	BC T2 [°C]	
AI	03				T5	BC T5 [°C]	
AI	04				T6	BC T6 [°C]	
AI	05				P1	BC P1 High pressure [kg/cm2]	
AI	06				P3	BC P3 Intermediate pressure [kg/cm2]	
PIV	07				L1	BC L1 Liquid level control	
PIV	08				L3	BC L3 Liquid level control	
PIV	09				L4	BC L4 Liquid level control	
AI	10				dPHM	BC dPHM [kg/cm2]	
AI	11				SC1	BC SC1 [°C]	
AI	12				SC6	BC SC6 [°C]	
AI	13				SH2	BC SH2 [°C]	
BI	14				1a	1a	
BI	15				2a	2a	
BI	16				3a	3a	
BI	17				4a	4a	
BI	18				5a	5a	
BI	19				6a	6a	
BI	20				7a	7a	
BI	21				8a	8a	
BI	22				9a	9a	
BI	23				Aa	Aa	
BI	24				Ba	Ba	
BI	25				Ca	Ca	
BI	26				Da	Da	
BI	27				Ea	Ea	
BI	28				Fa	Fa	
BI	29				0a	0a	
BI	30				1b	1b	
BI	31				2b	2b	
BI	32				3b	3b	
BI	33				4b	4b	
BI	34				5b	5b	
BI	35				6b	6b	
BI	36				7b	7b	
BI	37				8b	8b	
BI	38				9b	9b	
BI	39				Ab	Ab	
BI	40				Bb	Bb	
BI	41				Cb	Cb	
BI	42				Db	Db	
BI	43				Eb	Eb	
BI	44				Fb	Fb	
BI	45				0b	0b	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			46	1c	1c		
BI			47	2c	2c		
BI			48	3c	3c		
BI			49	4c	4c		
BI			50	5c	5c		
BI			51	6c	6c		
BI			52	7c	7c		
BI			53	8c	8c		
BI			54	9c	9c		
BI			55	Ac	Ac		
BI			56	Bc	Bc		
BI			57	Cc	Cc		
BI			58	Dc	Dc		
BI			59	Ec	Ec		
BI			60	Fc	Fc		
BI			61	0c	0c		
PIV			62	BCSig	BC controller operation control signal		
PIV			63	OCSig	Indoor unit operation control signal from OC		

• BS(KB)

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor Unit Type Name		
AI			01	T2	BC T2 [°C]		
AI			02	T5	BC T5 [°C]		
AI			03	T6	BC T6 [°C]		
AI			04	P3	BC P3 Intermediate pressure [kg/cm2]		
PIV			05	L3	BC L3 Liquid level control		
AI			06	SC6	BC SC6 [°C]		
AI			07	SH2	BC SH2 [°C]		
BI			08	1a	1a		
BI			09	2a	2a		
BI			10	3a	3a		
BI			11	4a	4a		
BI			12	5a	5a		
BI			13	6a	6a		
BI			14	7a	7a		
BI			15	8a	8a		
BI			16	1b	1b		
BI			17	2b	2b		
BI			18	3b	3b		
BI			19	4b	4b		
BI			20	5b	5b		
BI			21	6b	6b		
BI			22	7b	7b		
BI			23	8b	8b		
BI			24	1c	1c		
BI			25	2c	2c		
BI			26	3c	3c		
BI			27	4c	4c		
BI			28	5c	5c		
BI			29	6c	6c		
BI			30	7c	7c		
BI			31	8c	8c		



3.2.6.3 ME PRO Enumerated Parameters

- **Operation Mode (OpeM)**

Value	Description
1	Cooling
2	C.Only
3	C.Main
4	Heating
5	H.Only
6	H.Main
7	Stop
8	Fan
9	A.Cool
10	A.Heat
11	Ventilation
13	Dehumidify
14	Night P
16	C.Storage
17	Combination Cool
18	Cool Using Ice Storage Unit
19	Storage
20	Heat Using Storage Unit
21	Stop
22	Stand by
23	Defrost
24	Demand
25	Combination Cool
26	Cool Using Ice Storage Unit
27	Normal Cool
28	Heat Using Storage Unit
29	Normal Heat
30	Combination Heat
31	Cool with Ice Storage
32	Building Frame Storage Cool
33	Building Frame Storage Heat
34	Non-Comp ON
35	Comp ON

- **Control Mode (CtrlM)**

Value	Description
0	Stop
1	Error
2	Ordinary
3	Qj Change
4	Defrost
5	Warm up
6	OFF
7	Oil R.H.
8	Oil R.L.
9	Unif.Oil
10	Initial
11	Ordinary
12	Ref.Rec.
13	Oil Rec.
14	C.Ref.Rec.
15	H.Ref.Rec
16	Oil R.L.
17	Initial Operation
18	Restriction of Ice Usage in Cooling



Value	Description
19	Surplus Ref.Rec.H.
20	Ref.Rec.(Cool)
21	Test Run
22	ON
23	Surplus Ref.Rec.C.
24	Pipe Cleaning
25	Ordinary

- **Operation ON/OFF (O/F)**

Value	Description
0	Stopping
1	Operating
3	Test
4	Force R
51	Force S

- **Running mode (Mode)**

Value	Description
0	Stop
2	Setback
7	Heating
8	Cooling
9	Thermo stand-by
12	Defrost
13	Fan
14	Dry
15	Ventilation
18	Flame
32	Auto
44	Auto (Heating)
45	Auto (Cooling)
51	Force Stop
52	Defrost stand-by
53	Night P
96	Setback (Cooling)
97	Setback (Heating)
98	Auto
105	Pump stand-by
106	Retry
107	Error Stop
108	Emergency stop
109	Liquid flood back
144	Heating
145	Heating ECO
146	Hot Water
147	Anti-freeze
148	Cooling

- **Operating condition (State)**

Value	Description
0	Stop
1	Run
5	Stand by
6	Prohibit
10	ON
12	Defrost
19	Frost
41	Pre.H.
42	Heater



Value	Description
43	Raising
53	Interlocked operation
54	Delayed operation
131	Error

- **Operation control of the outdoor unit (IC_S)**

Value	Description
0	Stop
12	Defrost
13	Fan
34	C.O.ON
35	H.O.ON
36	C.H.ON
37	C.O.OFF
38	H.O.OFF
39	C.H.OFF
46	Cool ON
47	Heat ON
48	Cool OFF
49	Heat OFF
84	Dehumidification ON
95	Dehumidification OFF
101	Reheat ON
102	Reheat OFF
131	Error
132	Error

- **Fan speed (Fan)**

Value	Description
0	Stop
3	Silent
4	Lo
5	Mid2
6	Mid1
7	Hi

- **Outdoor inner thermostat (compressor) (49C)**

Value	Description
0	Close
1	Open

- **Outdoor high pressure sensor (63H)**

Value	Description
0	Close
1	Open

- **Outdoor low pressure sensor (63L)**

Value	Description
0	Close
1	Open

- **SA fan speed ordered from interlocked IC (SA_SetIU)**

Value	Description
0	Stopping
1	Low
2	Extra Low
7	Hi



- **EA fan speed ordered from interlocked IC (EA_SetIU)**

Value	Description
0	Stopping
1	Low
2	Extra Low
7	Hi

- **Operation ON/OFF (O/F)**

Value	Description
0	Stopping
1	Operating
53	Interlocked operation
54	Delayed operation
131	Error

- **Ventilation Mode 2 (VentMd2)**

Value	Description
0	Ordinary
3	Intermittent stopping
4	Stopping under defrosting operation
5	All device OFF
6	Power air supply/exhaust
7	Night purge
8	Anti-freezing operation
9	Drying operating
10	Delayed operation

- **Supply fan status (SA_Op)**

Value	Description
0	Stopping
16	Extra Low
64	Low
128	Hi
160	Extra Hi
192	Extra Hi

- **Exhaust fan status (EA_Op)**

Value	Description
0	Stopping
16	Extra Low
64	Low
128	Hi
160	Extra Hi
192	Extra Hi

- **Damper (Dmp)**

Value	Description
0	Lossnay
1	Bypass
2	Lossnay

- **SA fan speed ordered from RC (SA_SetRC)**

Value	Description
0	Stopping
1	Low
2	Extra Low



Value	Description
4	Low
7	Hi
11	Auto

- EA fan speed ordered from RC (EA_SetRC)

Value	Description
0	Stopping
1	Low
2	Extra Low
4	Low
7	Hi
11	Auto

- Ventilation Mode 1 (VentMd1)

Value	Description
0	Ordinary
1	Night purge
2	24hr Operation
16	High humidity intermittent operation
17	High humidity intermittent operation/Night purge
18	High humidity intermittent operation/24hr Operation
32	Low ambient temp. intermittent operation
33	Low ambient temp. intermittent operation/Night purge
34	Low ambient temp. intermittent operation/24hr Operation
48	Anti-freezing operation
49	Anti-freezing operation/Night purge
50	Anti-freezing operation/24hr Operation
64	Drying humidifier
65	Drying humidifier/Night purge
66	Drying humidifier/24hr Operation
80	Cool down operation
81	Cool down operation/Night purge
82	Cool down operation/24hr Operation
96	Power air supply - exhaust
97	Power air supply - exhaust/Night purge
98	Power air supply - exhaust/24hr Operation
112	Delayed operation
113	Delayed operation/Night purge
114	Delayed operation/24hr Operation
128	Humidifying preparation
129	Humidifying preparation/Night purge
130	Humidifying preparation/24hr Operation
144	All device OFF
145	All device OFF/Night purge
146	All device OFF/24hr Operation

- Ventilation Mode 2 (VentMd2)

Value	Description
0	Ordinary
1	Low ambient temp. stop
2	High ambient temp. stop
3	Low ambient temp. intermittent operation
4	Stopping under defrosting operation
5	All device OFF
6	Power air supply / exhaust
7	Night purge
8	Delayed operation
9	Drying humidifier
10	Anti-freezing operation



Value	Description
11	High humidity intermittent operation
13	Heater cool down
14	Humidifying preparation

- **Humidifying (humidifier ordered from RC) (Hum)**

Value	Description
0	OFF
1	ON
32	Auto
131	OFF

- **Ventilation (damper ordered from RC) (Vent)**

Value	Description
0	Lossnay
1	Bypass
2	Auto

- **SA fan speed ordered from interlocked IC (SA_SetIU)**

Value	Description
0	Stopping
1	Low

- **EA fan speed ordered from interlocked IC (EA_SetIU)**

Value	Description
0	Stopping
1	Low

- **Control Mode (CtrlM)**

Value	Description
0	Stop
1	Error
2	Ordinary
3	Qj Change
4	Defrost
5	Warm up
6	OFF
7	Oil R.H.
8	Oil R.L.
9	Unif.Oil
10	Initial
11	Ordinary
12	Ref.Rec.
13	Oil Rec.
14	C.Ref.Rec.
15	H.Ref.Rec
16	Oil R.L.
17	Initial Operation
18	Restriction of Ice Usage in Cooling
19	Surplus Ref.Rec.H.
20	Ref.Rec.(Cool)
21	Test Run
22	ON
23	Surplus Ref.Rec.C.
24	Pipe Cleaning
25	Ordinary

- **Operation Mode (OpeM)**



Value	Description
0	Stop
2	Setback
7	Heating
8	Cooling
9	Thermo stand-by
12	Defrost
13	Fan
14	Dry
15	Ventilation
18	Flame
32	Auto
44	Auto (Heating)
45	Auto (Cooling)
51	Force Stop
52	Defrost stand-by
53	Night P
96	Setback (Cooling)
97	Setback (Heating)
98	Auto
105	Pump stand-by
106	Retry
107	Error Stop
108	Emergency stop
109	Liquid flood back
144	Heating
145	Heating ECO
146	Hot Water
147	Anti-freeze
148	Cooling

- **Operation control of the outdoor unit (AU_S)**

Value	Description
0	Stop
12	Defrost
13	Fan
34	C.O.ON
35	H.O.ON
36	C.H.ON
37	C.O.OFF
38	H.O.OFF
39	C.H.OFF
46	Cool ON
47	Heat ON
48	Cool OFF
49	Heat OFF
84	Dehumidification ON
95	Dehumidification OFF
101	Reheat ON
102	Reheat OFF
131	Error
132	Error

- **Water temperature sensor position (I/O)**

Value	Description
0	OUT
1	IN

- **Operation control of the outdoor unit (BU_S)**



Value	Description
0	Stop
12	Defrost
13	Fan
34	C.O.ON
35	H.O.ON
36	C.H.ON
37	C.O.OFF
38	H.O.OFF
39	C.H.OFF
46	Cool ON
47	Heat ON
48	Cool OFF
49	Heat OFF
84	Dehumidification ON
95	Dehumidification OFF
101	Reheat ON
102	Reheat OFF
131	Error
132	Error

• OPERATION MODE (Opem)

Value	Description
0	Stop
2	Setback
7	Heating
8	Cooling
9	Thermo stand-by
12	Defrost
13	Fan
14	Dry
15	Ventilation
18	Flame
32	Auto
44	Auto (Heating)
45	Auto (Cooling)
51	Force Stop
52	Defrost stand-by
53	Night P
96	Setback (Cooling)
97	Setback (Heating)
98	Auto
105	Pump stand-by
106	Retry
107	Error Stop
108	Emergency stop
109	Liquid flood back
144	Heating
145	Heating ECO
146	Hot Water
147	Anti-freeze
148	Cooling

• State (State)

Value	Description
0	Stop
1	Error
2	Ordinary
3	Qj Change
4	Defrost



Value	Description
5	Warm up
6	OFF
7	Oil R.H.
8	Oil R.L.
9	Unif.Oil
10	Initial
11	Ordinary
12	Ref.Rec.
13	Oil Rec.
14	C.Ref.Rec.
15	H.Ref.Rec
16	Oil R.L.
17	Initial Operation
18	Restriction of Ice Usage in Cooling
19	Surplus Ref.Rec.H.
20	Ref.Rec.(Cool)
21	Test Run
22	ON
23	Surplus Ref.Rec.C.
24	Pipe Cleaning
25	Ordinary

- **ALh (ALh)**

Value	Description
0	-
1	Low
2	Middle
3	High

- **Fan1 run status (FAN-Fr)**

Value	Description
0	Normal
1	Forward
2	Reverse

- **Fan2 run status (FAN2-Fr)**

Value	Description
0	Normal
1	Forward
2	Reverse

- **Operation Status (OpeS)**

Value	Description
1	Preliminary Error
2	Abnormal Press. Rise
3	H. Press. Drop
4	L. Press. Drop
5	Abnormal Td Rise
6	H. Press. at Defrosting
7	Box Temp. Rise
8	Capacity Control

- **Attribute (OC/OS identification) (Attr)**

Value	Description
0	OC
1	OS1
2	OS2



Value	Description
3	OS3
4	OS4
5	OS5

- **M-NET supply unit (M-NetSupUn)**

Value	Description
0	OC
1	OS1
2	OS2
3	OS3
4	OS4
5	OS5

- **Start-up unit (StrtUpUn)**

Value	Description
0	OC
1	OS1
2	OS2
3	OS3
4	OS4
5	OS5

- **Power source frequency (Pwr)**

Value	Description
0	50 Hz
1	60 Hz

- **Outdoor unit operation control signal to OC (HBSig)**

Value	Description
0	Stop
12	Defrost
13	Fan
34	C.O.ON
35	H.O.ON
36	C.H.ON
37	C.O.OFF
38	H.O.OFF
39	C.H.OFF
46	Cool ON
47	Heat ON
48	Cool OFF
49	Heat OFF
84	Dehumidification ON
95	Dehumidification OFF
101	Reheat ON
102	Reheat OFF
131	Error
132	Error

- **Indoor unit operation control signal from OC (OCSig)**

Value	Description
1	Enable
3	Test Run
5	Stand by
6	Prohibit
12	Defrost
20	H. Only



Value	Description
21	H. Main
22	C. Only
23	C. Main
28	Ref. Conversion H.O
29	Ref. Conversion H.M
30	Ref. Conversion C.O
31	Ref. Conversion C.M
53	Oil Rec. H.F.H.O
54	Oil Rec. H.F.C.O
56	Oil Rec. L.F.H.O
57	Oil Rec. L.F.C.O

- **BC controller operation control signal (BCSig)**

Value	Description
0	Stop
12	Defrost
13	Fan
34	C.O.ON
35	H.O.ON
36	C.H.ON
37	C.O.OFF
38	H.O.OFF
39	C.H.OFF
46	Cool ON
47	Heat ON
48	Cool OFF
49	Heat OFF
84	Dehumidification ON
95	Dehumidification OFF
101	Reheat ON
102	Reheat OFF
131	Error
132	Error

- **On/Off Ctrl (OnOffCtrl)**

Value	Description
1	Run
2	Stop

- **Water temp Ctrl (WtrTCtrl)**

Value	Description
0	IN
1	OUT

- **Fan Mode Status (FnMdSt)**

Value	Description
1	On
2	Off

- **Mode (Md)**

Value	Description
1	Heating
2	Heating Eco
3	Hot Water
4	Anti Freeze
5	Cooling



- Defrost mode (DfrMd)

Value	Description
0	Other
1	Wait
2	Limit
3	On

- 63H1 (63H1)

Value	Description
0	Normal
1	Error

3.2.7 MH (Mitsubishi Heavy)

Enter topic text here.

3.2.7.1 MH PRO Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	01				OduAddr	O/U Address	
PIV	02				Type	I/U Type	
PIV	03				Cap	I/U Capacity [kW]	
PIV	04				ReqHz	Required Hz [Hz]	
PIV	05				AnsHz	Answer Hz [Hz]	
IV	06				EEV	EEV opening degree [pls]	
AI	07				InT	Inlet Temperature [°C]	
AI	08				HexT1	Heat Exchanger Temp.1 [°C]	
AI	09				HexT2	Heat Exchanger Temp.2 [°C]	
AI	10				HexT3	Heat Exchanger Temp.3 [°C]	
BI	11				Comp	Comp ON/OFF	

3.2.7.2 MH PRO Outdoor Units

- JL4C

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
AI	01					ThoA	Outdoor air Temperature [°C]
AI	02					ThoR1	Heat Exchanger Temp.1 [°C]
AI	03					ThoR2	Heat Exchanger Temp.2 [°C]
AI	04					ThoR3	Heat Exchanger Temp.3 [°C]
AI	05					ThoR4	Heat Exchanger Temp.4 [°C]
AI	06					ThoD1	Discharge Temp.1 [°C]
AI	07					ThoD2	Discharge Temp.2 [°C]
AI	08					ThoC1	Under-dome Temp.1 [°C]
AI	09					ThoC2	Under-dome Temp.2 [°C]
AI	10					ThoP1	ThoP1 [°C]
AI	11					ThoP2	ThoP2 [°C]
AI	12					ThoS	ThoS [°C]
AI	13					ThoSC	ThoSC [°C]
AI	14					ThoH	ThoH [°C]
AI	15					ThoI1	ThoI1(spare) [°C]
AI	16					Tho	Tho(spare) [°C]
AI	17					CT1	Comp.1 Current [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			18		CT2	Comp.2 Current [A]	
AI			19		CT-inv1	CT-inv1 [A]	
AI			20		CT-inv2	CT-inv2 [A]	
AI			21		HP	High Pressure [MPa]	
AI			22		LP	Low Pressure [MPa]	
PIV			23		OpeMode	Operation Mode	
PIV			24		OpePatt	Operation Pattern	
PIV			25		Inv1Hz	INV1 Actual Hz [Hz]	
PIV			26		Inv2Hz	INV2 Actual Hz [Hz]	
PIV			27		FMO1	FMO1(DC) [rpm]	
PIV			28		FMO2	FMO2(DC) [rpm]	
IV			29		EEVH1	EEVH1 [pls]	
IV			30		EEVH2	EEVH2 [pls]	
IV			31		EEVSC	EEVSC [pls]	
IV			32		EEVD	EEVD [pls]	
AI			33		ClTrgLp	Cooling Target LP [MPa]	
AI			34		HtTrgHP	Heating Target HP [MPa]	
PIV			35		CSST-Dif	Heating target CSST Temp. Difference [°C]	
PIV			36		EEVH-Pos	Outdoor EEVH Initial Learning Opening Position [pls]	
AI			37		EEVSC-TqSh	Target Superheat of EEVSC [°C]	
PIV			38		OiRetAcc1	Oil Return Accumulated Ammount(CM1) [cc]	
PIV			39		OiRetAcc2	Oil Return Accumulated Ammount(CM2) [cc]	
PIV			40		OiRetCntDn	Oil Return Count Down [min]	
BI			41		52C1	52C1	
BI			42		52C2	52C2	
BI			43		CH1	CH1	
BI			44		CH2	CH2	
BI			45		20S	20S	
BI			46		ClFn	Cooling Fan	
BI			47		VnFn	Ventilation Fan	
BI			48		CnZ	External Output (CnZ)	
BI			49		CnH	Operation Output (CnH)	
BI			50		CnY	Error Output (CnY)	
BI			51		SV1	SV1	
BI			52		SV2	SV2	
BI			53		SV3	SV3	
BI			54		SV4	SV4	
BI			55		SV6	SV6	
BI			56		SV7	SV7	
BI			57		SV8	SV8	
BI			58		SV10	SV10	
BI			59		SV11	SV11	
BI			60		SV12	SV12	
BI			61		SV13	SV13	
AI			62		DisPrsSatT	Discharge Pressure Saturated Temperature [°C]	
AI			63		SctPrsSatT	Suction Pressure Saturated Temperature [°C]	
AI			64		SctSh	Suction Superheat [°C]	
AI			65		ScCiSh	Subcooling Coil Superheat [°C]	
AI			66		UdSh1	Under-dome Superheat 1 [°C]	
AI			67		UdSh2	Under-dome Superheat 2 [°C]	

• K1RC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			01	ThoA	Outdoor air Temperature [°C]		
AI			02	ThoR1	Heat Exchanger Temp.1 [°C]		
AI			03	ThoR2	Heat Exchanger Temp.2 [°C]		
AI			04	ThoR3	Heat Exchanger Temp.3 [°C]		
AI			05	ThoR4	Heat Exchanger Temp.4 [°C]		
AI			06	ThoR5	Heat Exchanger Temp.5 [°C]		
AI			07	ThoR6	Heat Exchanger Temp.6 [°C]		
AI			08	ThoD1	Discharge Temp.1 [°C]		
AI			09	ThoD2	Discharge Temp.2 [°C]		
AI			10	ThoC1	Under-dome Temp.1 [°C]		
AI			11	ThoC2	Under-dome Temp.2 [°C]		
AI			12	ThoP1	ThoP1 [°C]		
AI			13	ThoP2	ThoP2 [°C]		
AI			14	ThoS	ThoS [°C]		
AI			15	ThoSC	ThoSC [°C]		
AI			16	ThoH	ThoH [°C]		
AI			17	CT1	Comp.1 Current [A]		
AI			18	CT2	Comp.2 Current [A]		
AI			19	CT-inv1	CT-inv1 [A]		
AI			20	CT-inv2	CT-inv2 [A]		
AI			21	HP	High Pressure [MPa]		
AI			22	LP	Low Pressure [MPa]		
PIV			23	OpeMode	Operation Mode		
PIV			24	OpePatt	Operation Pattern		
PIV			25	Inv1Hz	INV1 Actual Hz [Hz]		
PIV			26	Inv2Hz	INV2 Actual Hz [Hz]		
PIV			27	FMO1	FMO1(DC) [rpm]		
PIV			28	FMO2	FMO2(DC) [rpm]		
IV			29	EEVH1	EEVH1 [pls]		
IV			30	EEVH2	EEVH2 [pls]		
IV			31	EEVH3	EEVH3 [pls]		
IV			32	EEVSC	EEVSC [pls]		
AI			33	ClTrgLP	Cooling Target LP [MPa]		
AI			34	HtTrgHP	Heating Target HP [MPa]		
PIV			35	CSST-Dif	Heating target CSST Temp. Difference [°C]		
AI			36	EEVSC-TqSh	Target Superheat of EEVSC [°C]		
PIV			37	OiRetAcc1	Oil Return Accumulated Ammount(CM1) [cc]		
PIV			38	OiRetAcc2	Oil Return Accumulated Ammount(CM2) [cc]		
PIV			39	OiRetCntDn	Oil Return Count Down [min]		
BI			40	52C1	52C1		
BI			41	52C2	52C2		
BI			42	CH1	CH1		
BI			43	CH2	CH2		
BI			44	20S1	20S1		
BI			45	20S3	20S3		
BI			46	20SL	20SL		
BI			47	ClFn	Cooling Fan		
BI			48	VnFn	Ventilation Fan		
BI			49	CnZ	External Output (CnZ)		
BI			50	CnH	Operation Output (CnH)		
BI			51	CnY	Error Output (CnY)		
BI			52	SV1	SV1		
BI			53	SV2	SV2		
BI			54	SV3	SV3		
BI			55	SV6	SV6		
BI			56	SV7	SV7		
BI			57	SV8	SV8		
BI			58	SV10	SV10		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			59	SV11	SV11		
BI			60	SV12	SV12		
BI			61	63H1	63H1		
BI			62	63H1-R	63H1-R		
BI			63	CNS1	CNS1		
BI			64	CNS2	CNS2		
BI			65	CNG1	CNG1		
BI			66	CNG2	CNG2		
AI			67	DisPrsSatT	Discharge Pressure Saturated Temperature [°C]		
AI			68	SctPrsSatT	Suction Pressure Saturated Temperature [°C]		
AI			69	SctSh	Suction Superheat [°C]		
AI			70	ScCiSh	Subcooling Coil Superheat [°C]		
AI			71	UdSh1	Under-dome Superheat 1 [°C]		
AI			72	UdSh2	Under-dome Superheat 2 [°C]		

• L3SC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00		Type	Outdoor Unit Type Name
AI				01		ThoA	Outdoor air Temperature [°C]
AI				02		ThoR1	Heat Exchanger Temp.1 [°C]
AI				03		ThoR2	Heat Exchanger Temp.2 [°C]
AI				04		ThoD1	Discharge Temp.1 [°C]
AI				05		ThoC1	Under-dome Temp.1 [°C]
AI				06		ThoP1	ThoP1 [°C]
AI				07		ThoS	ThoS [°C]
AI				08		ThoSC	ThoSC [°C]
AI				09		ThoH	ThoH [°C]
AI				10		CT1	Comp.1 Current [A]
AI				11		CT-inv1	CT-inv1 [A]
AI				12		HP	High Pressure [MPa]
AI				13		LP	Low Pressure [MPa]
PIV				14		OpeMode	Operation Mode
PIV				15		Inv1Hz	INV1 Actual Hz [Hz]
PIV				16		FMO1	FMO1(DC) [rpm]
PIV				17		FMO2	FMO2(DC) [rpm]
IV				18		EEVH1	EEVH1 [pls]
IV				19		EEVSC	EEVSC [pls]
AI				20		ClTrgLP	Cooling Target LP [MPa]
AI				21		HtTrgHP	Heating Target HP [MPa]
PIV				22		EEVH-Pos	Outdoor EEVH Initial Learning Opening Position [pls]
AI				23		EEVSC-TgSh	Target Superheat of EEVSC [°C]
PIV				24		OiRetAcc1	Oil Return Accumulated Ammount(CM1) [cc]
PIV				25		OiRetCntDn	Oil Return Count Down [min]
BI				26		52C1	52C1
BI				27		CH1	CH1
BI				28		20S	20S
BI				29		SV1	SV1
BI				30		SV6	SV6
BI				31		SV11	SV11
BI				32		SV12	SV12
BI				33		63H1	63H1
BI				34		63H1-R	63H1-R
BI				35		CNS1	CNS1
BI				36		CNS2	CNS2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI				37	CNG1	CNG1	
BI				38	CNG2	CNG2	
AI				39	DisPrsSatT	Discharge Pressure Saturated Temperature [°C]	
AI				40	SctPrsSatT	Suction Pressure Saturated Temperature [°C]	
AI				41	SctSh	Suction Superheat [°C]	
AI				42	ScCiSh	Subcooling Coil Superheat [°C]	
AI				43	UdSh1	Under-dome Superheat 1 [°C]	
AI				44	ScCiSatPrs1	Supercooled Coil Temperature Sensor 1 Saturation Pressure [MPa]	
AI				45	DisSh	Discharge Pipe Superheat Degree [°C]	
AI				46	EEVH-TqSh	Outdoor Unit EEVH Target Superheat [°C]	

• KV1C

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	ThoA	Outdoor air Temperature [°C]		
AI			02	ThoR1	Heat Exchanger Temp.1 [°C]		
AI			03	ThoR2	Heat Exchanger Temp.2 [°C]		
AI			04	ThoR3	Heat Exchanger Temp.3 [°C]		
AI			05	ThoR4	Heat Exchanger Temp.4 [°C]		
AI			06	ThoD1	Discharge Temp.1 [°C]		
AI			07	ThoD2	Discharge Temp.2 [°C]		
AI			08	ThoC1	Under-dome Temp.1 [°C]		
AI			09	ThoC2	Under-dome Temp.2 [°C]		
AI			10	ThoP1	ThoP1 [°C]		
AI			11	ThoP2	ThoP2 [°C]		
AI			12	ThoS	ThoS [°C]		
AI			13	ThoSC	ThoSC [°C]		
AI			14	ThoH	ThoH [°C]		
AI			15	ThoI1	ThoI1(spare) [°C]		
AI			16	Tho	Tho(spare) [°C]		
AI			17	CT1	Comp.1 Current [A]		
AI			18	CT2	Comp.2 Current [A]		
AI			19	CT-inv1	CT-inv1 [A]		
AI			20	CT-inv2	CT-inv2 [A]		
AI			21	HP	High Pressure [MPa]		
AI			22	LP	Low Pressure [MPa]		
PIV			23	OpeMode	Operation Mode		
PIV			24	OpePatt	Operation Pattern		
PIV			25	Inv1Hz	INV1 Actual Hz [Hz]		
PIV			26	Inv2Hz	INV2 Actual Hz [Hz]		
PIV			27	FMO1	FMO1(DC) [rpm]		
PIV			28	FMO2	FMO2(DC) [rpm]		
IV			29	EEVH1	EEVH1 [pls]		
IV			30	EEVH2	EEVH2 [pls]		
IV			31	EEVSC	EEVSC [pls]		
IV			32	EEVD	EEVD [pls]		
AI			33	CITrgLP	Cooling Target LP [MPa]		
AI			34	HtTrgHP	Heating Target HP [MPa]		
PIV			35	CSST-Dif	Heating target CSST Temp. Difference [°C]		
PIV			36	EEVH-Pos	Outdoor EEVH Initial Learning Opening Position [pls]		
AI			37	EEVSC-TgSh	Target Superheat of EEVSC [°C]		
PIV			38	OiRetAcc1	Oil Return Accumulated Ammount(CM1) [cc]		
PIV			39	OiRetAcc2	Oil Return Accumulated Ammount(CM2) [cc]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV				40	OiRetCntDn	Oil Return Count Down [min]	
BI				41	52C1	52C1	
BI				42	52C2	52C2	
BI				43	CH1	CH1	
BI				44	CH2	CH2	
BI				45	20S	20S	
BI				46	20SL	20SL	
BI				47	ClFn	Cooling Fan	
BI				48	VnFn	Ventilation Fan	
BI				49	CnZ	External Output (CnZ)	
BI				50	CnH	Operation Output (CnH)	
BI				51	CnY	Error Output (CnY)	
BI				52	SV1	SV1	
BI				53	SV2	SV2	
BI				54	SV3	SV3	
BI				55	SV4	SV4	
BI				56	SV6	SV6	
BI				57	SV7	SV7	
BI				58	SV8	SV8	
BI				59	SV10	SV10	
BI				60	SV11	SV11	
BI				61	SV12	SV12	
BI				62	52X3	52X3	
AI				63	DisPrsSatT	Discharge Pressure Saturated Temperature [°C]	
AI				64	SctPrsSatT	Suction Pressure Saturated Temperature [°C]	
AI				65	SctSh	Suction Superheat [°C]	
AI				66	ScCiSh	Subcooling Coil Superheat [°C]	
AI				67	UdSh1	Under-dome Superheat 1 [°C]	
AI				68	UdSh2	Under-dome Superheat 2 [°C]	

• KV2C

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
AI			01	ThoA	Outdoor air Temperature [°C]		
AI			02	ThoR1	Heat Exchanger Temp.1 [°C]		
AI			03	ThoR2	Heat Exchanger Temp.2 [°C]		
AI			04	ThoR3	Heat Exchanger Temp.3 [°C]		
AI			05	ThoR4	Heat Exchanger Temp.4 [°C]		
AI			06	ThoD1	Discharge Temp.1 [°C]		
AI			07	ThoD2	Discharge Temp.2 [°C]		
AI			08	ThoC1	Under-dome Temp.1 [°C]		
AI			09	ThoC2	Under-dome Temp.2 [°C]		
AI			10	HtDsspFin1	Heat Dissipation Fin 1 [°C]		
AI			11	HtDsspFin2	Heat Dissipation Fin 2 [°C]		
AI			12	ThoS	ThoS [°C]		
AI			13	ThoSC	ThoSC [°C]		
AI			14	ThoH	ThoH [°C]		
AI			15	ThoI1	ThoI1(spare) [°C]		
AI			16	Tho	Tho(spare) [°C]		
AI			17	CT1	Comp.1 Current [A]		
AI			18	CT2	Comp.2 Current [A]		
AI			19	CT-inv1	CT-inv1 [A]		
AI			20	CT-inv2	CT-inv2 [A]		
AI			21	HP	High Pressure [MPa]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI	22				LP	Low Pressure [MPa]	
PIV	23				OpeMode	Operation Mode	
PIV	24				OpePatt	Operation Pattern	
PIV	25				Inv1Hz	INV1 Actual Hz [Hz]	
PIV	26				Inv2Hz	INV2 Actual Hz [Hz]	
PIV	27				FMO1	FMO1(DC) [rpm]	
PIV	28				FMO2	FMO2(DC) [rpm]	
IV	29				EEVH1	EEVH1 [pls]	
IV	30				EEVH2	EEVH2 [pls]	
IV	31				EEVSC	EEVSC [pls]	
IV	32				EEVD	EEVD [pls]	
AI	33				ClTrgLP	Cooling Target LP [MPa]	
AI	34				HtTrgHP	Heating Target HP [MPa]	
PIV	35				CSST-Dif	Heating target CSST Temp. Difference [°C]	
PIV	36				EEVH-Pos	Outdoor EEVH Initial Learning Opening Position [pls]	
AI	37				EEVSC-TgSh	Target Superheat of EEVSC [°C]	
PIV	38				OiRetAcc1	Oil Return Accumulated Ammount(CM1) [cc]	
PIV	39				OiRetAcc2	Oil Return Accumulated Ammount(CM2) [cc]	
PIV	40				OiRetCntDn	Oil Return Count Down [min]	
BI	41				52C1	52C1	
BI	42				52C2	52C2	
BI	43				CH1	CH1	
BI	44				CH2	CH2	
BI	45				20S	20S	
BI	46				20SL/AH	20SL/AH	
BI	47				ClFn	Cooling Fan	
BI	48				CnZ	External Output (CnZ)	
BI	49				CnH	Operation Output (CnH)	
BI	50				CnY	Error Output (CnY)	
BI	51				SV1	SV1	
BI	52				SV2/20UF	SV2/20UF	
BI	53				SV3	SV3	
BI	54				SV4	SV4	
BI	55				SV6	SV6	
BI	56				SV7	SV7	
BI	57				SV8	SV8	
BI	58				SV10	SV10	
BI	59				SV11	SV11	
BI	60				SV12	SV12	
BI	61				X19	X19	
AI	62				DisPrsSatT	Discharge Pressure Saturated Temperature [°C]	
AI	63				SctPrsSatT	Suction Pressure Saturated Temperature [°C]	
AI	64				SctSh	Suction Superheat [°C]	
AI	65				ScCiSh	Subcooling Coil Superheat [°C]	
AI	66				UdSh1	Under-dome Superheat 1 [°C]	
AI	67				UdSh2	Under-dome Superheat 2 [°C]	

• KYWC

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
AI	01				ThoA	Outdoor air Temperature [°C]	
AI	02				ThoR1	Heat Exchanger Temp.1 [°C]	
AI	03				ThoR2	Heat Exchanger Temp.2 [°C]	
AI	04				ThoD1	Discharge Temp.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			05	ThoC1	Under-dome Temp.1 [°C]		
AI			06	ThoP1	ThoP1 [°C]		
AI			07	ThoS	ThoS [°C]		
AI			08	ThoSC	ThoSC [°C]		
AI			09	ThoH	ThoH [°C]		
AI			10	CT1	Comp.1 Current [A]		
AI			11	CT-inv1	CT-inv1 [A]		
AI			12	HP	High Pressure [MPa]		
AI			13	LP	Low Pressure [MPa]		
PIV			14	OpeMode	Operation Mode		
PIV			15	Inv1Hz	INV1 Actual Hz [Hz]		
PIV			16	FMO1	FMO1(DC) [rpm]		
PIV			17	FMO2	FMO2(DC) [rpm]		
IV			18	EEVH1	EEVH1 [pls]		
IV			19	EEVSC	EEVSC [pls]		
AI			20	ClTrgLP	Cooling Target LP [MPa]		
AI			21	HtTrgHP	Heating Target HP [MPa]		
PIV			22	EEVH-Pos	Outdoor EEVH Initial Learning Opening Position [pls]		
AI			23	EEVSC-TgSh	Target Superheat of EEVSC [°C]		
PIV			24	OiRetAcc1	Oil Return Accumulated Ammount(CM1) [cc]		
PIV			25	OiRetCntDn	Oil Return Count Down [min]		
BI			26	52C1	52C1		
BI			27	CH1	CH1		
BI			28	20S	20S		
BI			29	SV1	SV1		
BI			30	SV6	SV6		
BI			31	SV11	SV11		
BI			32	SV12	SV12		
BI			33	63H1	63H1		
BI			34	63H1-R	63H1-R		
BI			35	CNS1	CNS1		
BI			36	CNS2	CNS2		
BI			37	CNG1	CNG1		
BI			38	CNG2	CNG2		
AI			39	DisPrsSatT	Discharge Pressure Saturated Temperature [°C]		
AI			40	SctPrsSatT	Suction Pressure Saturated Temperature [°C]		
AI			41	SctSh	Suction Superheat [°C]		
AI			42	ScCiSh	Subcooling Coil Superheat [°C]		
AI			43	UdSh1	Under-dome Superheat 1 [°C]		
AI			44	ScCiSatPrs1	Supercooled Coil Temperature Sensor 1 Saturation Pressure [MPa]		
AI			45	DisSh	Discharge Pipe Superheat Degree [°C]		
AI			46	EEVH-TgSh	Outdoor Unit EEVH Target Superheat [°C]		

3.2.8 Samsung

3.2.8.1 Samsung PRO Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Indoor type string	
AI	01				Capacity	Capacity [HP]	
AI	02				EvaIn	Evaporation temperature IN1 [°C]	
AI	03				EvaOut	Eva temperature OUT1 [°C]	
PIV	04				EEV1		
BI	05				MTEC	MTEC Status	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	06				ESP	Auto ESP	
AI	07				DisT	Discharge(Duct) temperature [°C]	
AI	08				DisCool	Discharge Set temp.(Cool) [°C]	
AI	09				DisHeat	Discharge Set temp.(Heat) [°C]	
PIV	10				BstrFan1	Booster Fan1 [RPM]	
PIV	11				BstrFan2	Booster Fan2 [RPM]	
PIV	12				BstrFan3	Booster Fan3 [RPM]	
BI	13				WindFr	Wind Free	
BI	14				DisCtrl	Discharge control	

3.2.8.2 Samsung PRO Outdoor Units

- DVM-S, DVM-S HR, DVM-S C/O

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpMode	Operation Mode		
PIV			02	OpStat	Operation Status		
PIV			03	ErrCode	Error Code		
PIV			04	Cap	Capacity [hp]		
AI			05	CurPow	Control Watt-meter [kW]		
PIV			06	TrgFreq1	Target Frequency1 [Hz]		
PIV			07	OrdFreq1	Order Frequency1 [Hz]		
PIV			08	CurFreq1	Current Frequency1 [Hz]		
PIV			09	TrgFreq2	Target Frequency2 [Hz]		
PIV			10	OrdFreq2	Order Frequency2 [Hz]		
PIV			11	CurFreq2	Current Frequency2 [Hz]		
AI			12	HiPrs	High Pressure [kg/cm2]		
IV			13	SatTPd	Saturated T Pd [°C]		
AI			14	LoPrs	Low Pressure [kg/cm2]		
IV			15	SatTPs	Saturated T Ps [°C]		
AI			16	MidPrs	Mid Pressure [kg/cm2]		
AI			17	DisT1	Discharge1 [°C]		
AI			18	DisT2	Discharge2 [°C]		
PIV			19	TstOp	Test Operation(UP)		
AI			20	CompTop1	Comp Top1 [°C]		
AI			21	CompTop2	Comp Top2 [°C]		
AI			22	OutT	Outdoor temperature [°C]		
AI			23	CompCur1	Compressor current1 [A]		
AI			24	CompCur2	Compressor current2 [A]		
AI			25	IPM1T	IPM1 temperature [°C]		
AI			26	IPM2T	IPM2 temperature [°C]		
AI			27	CondOutT	CondOut temperature [°C]		
AI			28	LiqTubT	Liquid tube temperature [°C]		
AI			29	Suct1T	Suction1 temperature [°C]		
AI			30	Suct2T	Suction2 temperature [°C]		
PIV			31	MainEEV	Main EEV		
PIV			32	EviEEV	EVI EEV		
AI			33	EviIn	EVI IN [°C]		
AI			34	EviOut	EVI OUT [°C]		
PIV			35	OutFnSt	Outdoor Fan Step		
AI			36	PFCM	PFCM Temperature [°C]		
BI			37	Comp1	Comp1		
BI			38	Comp2	Comp2		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			39	4Way	4Way valve		
BI			40	HotGas1	Hot Gas Bypass1		
BI			41	HotGas2	Hot Gas Bypass2		
BI			42	MainCool	Main Cooling		
BI			43	EEVValv	EEV Valve		
BI			44	EviSol1	EVI Solenoid Valve1		
BI			45	EviSol2	EVI Solenoid Valve2		
BI			46	EviBps	EVI Bypass		
BI			47	CCH1	Comp Coil Heater1		
BI			48	CCH2	Comp Coil Heater2		
BI			49	BsHt	Base Heater		
CSV			50	SN	Serial Number		

• DVM-S Eco 4/5/6HP

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpMode	Operation Mode		
PIV			02	OpStat	Operation Status		
PIV			03	ErrCode	Error Code		
PIV			04	Cap	Capacity [hp]		
PIV			05	TrgFreq1	Target Frequency1 [Hz]		
PIV			06	OrdFreq1	Order Frequency1 [Hz]		
PIV			07	CurFreq1	Current Frequency1 [Hz]		
AI			08	HiPrs	High Pressure [kg/cm2]		
IV			09	SatTPd	Saturated T Pd [°C]		
AI			10	LoPrs	Low Pressure [kg/cm2]		
IV			11	SatTPs	Saturated T Ps [°C]		
AI			12	MidPrs	Mid Pressure [kg/cm2]		
AI			13	DisT1	Discharge1 [°C]		
PIV			14	TstOp	Test Operation(UP)		
AI			15	CompTop1	Comp Top1 [°C]		
AI			16	OutT	Outdoor temperature [°C]		
AI			17	CompCur1	Compressor current1 [A]		
AI			18	IPM1T	IPM1 temperature [°C]		
AI			19	CondOutT	CondOut temperature [°C]		
AI			20	LiqTubT	Liquid tube temperature [°C]		
AI			21	Suct1T	Suction1 temperature [°C]		
PIV			22	MainEEV	Main EEV		
PIV			23	EviEEV	EVI EEV		
PIV			24	FanRPM	Fan RPM [rpm]		
BI			25	Comp1	Comp1		
BI			26	4Way	4Way valve		
BI			27	HotGas1	Hot Gas Bypass1		
CSV			28	SN	Serial Number		

• DVM-S Water HR

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00		Type	Outdoor Unit Type Name	
PIV			01		OpMode	Operation Mode	
PIV			02		OpStat	Operation Status	
PIV			03		ErrCode	Error Code	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	04				Cap	Capacity [hp]	
PIV	05				TrgFreq1	Target Frequency1 [Hz]	
PIV	06				OrdFreq1	Order Frequency1 [Hz]	
PIV	07				CurFreq1	Current Frequency1 [Hz]	
PIV	08				TrgFreq2	Target Frequency2 [Hz]	
PIV	09				OrdFreq2	Order Frequency2 [Hz]	
PIV	10				CurFreq2	Current Frequency2 [Hz]	
AI	11				HiPrs	High Pressure [kg/cm2]	
IV	12				SatTPd	Saturated T Pd [°C]	
AI	13				LoPrs	Low Pressure [kg/cm2]	
IV	14				SatTPs	Saturated T Ps [°C]	
AI	15				DisT1	Discharge1 [°C]	
AI	16				DisT2	Discharge2 [°C]	
PIV	17				TstOp	Test Operation(UP)	
AI	18				CompTop1	Comp Top1 [°C]	
AI	19				CompTop2	Comp Top2 [°C]	
AI	20				WtrT	Water temperature [°C]	
AI	21				CompCur1	Compressor current1 [A]	
AI	22				CompCur2	Compressor current2 [A]	
AI	23				IPM1T	IPM1 temperature [°C]	
AI	24				IPM2T	IPM2 temperature [°C]	
AI	25				CondOutT	CondOut temperature [°C]	
AI	26				LiqTubT	Liquid tube temperature [°C]	
AI	27				Suct1T	Suction1 temperature [°C]	
AI	28				Suct2T	Suction2 temperature [°C]	
PIV	29				MainEEV	Main EEV	
PIV	30				EviEEV	EVI EEV	
AI	31				EviIn	EVI IN [°C]	
AI	32				EviOut	EVI OUT [°C]	
AI	33				CtrlBxT	Control Box Temperature [°C]	
AI	34				FlwCtrl	Flow Control	
BI	35				Comp1	Comp1	
BI	36				Comp2	Comp2	
BI	37				4Way	4Way valve	
BI	38				HotGas1	Hot Gas Bypass1	
BI	39				HotGas2	Hot Gas Bypass2	
BI	40				MainCool	Main Cooling	
BI	41				EEVValv	EEV Valve	
BI	42				EviSol1	EVI Solenoid Valve1	
BI	43				EviSol2	EVI Solenoid Valve2	
BI	44				EviBps	EVI Bypass	
BI	45				CCH1	Comp Coil Heater1	
BI	46				CCH2	Comp Coil Heater2	
BI	47				LiqTub	Liquid tube	
BI	48				HotGasChrg	Hot Gas Charging	
BI	49				FlwSw	Flow Switch	
BI	50				2Way	2Way	
BI	51				PumpOut	Pump Out	
BI	52				DcFan	DC Fan	
CSV	53				SN	Serial Number	

• DVM-S Eco 7/8/9HP

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			01	OpMode	Operation Mode		
PIV			02	OpStat	Operation Status		
PIV			03	ErrCode	Error Code		
PIV			04	Cap	Capacity [hp]		
PIV			05	TrgFreq1	Target Frequency1 [Hz]		
PIV			06	OrdFreq1	Order Frequency1 [Hz]		
PIV			07	CurFreq1	Current Frequency1 [Hz]		
AI			08	HiPrs	High Pressure [kg/cm2]		
IV			09	SatTPd	Saturated T Pd [°C]		
AI			10	LoPrs	Low Pressure [kg/cm2]		
IV			11	SatTPs	Saturated T Ps [°C]		
AI			12	DisT1	Discharge1 [°C]		
PIV			13	TstOp	Test Operation(UP)		
AI			14	CompTop1	Comp Top1 [°C]		
AI			15	OutT	Outdoor temperature [°C]		
AI			16	CompCur1	Compressor current1 [A]		
AI			17	IPM1T	IPM1 temperature [°C]		
AI			18	CondOutT	CondOut temperature [°C]		
AI			19	LiqTubT	Liquid tube temperature [°C]		
AI			20	Suct1T	Suction1 temperature [°C]		
PIV			21	MainEEV	Main EEV		
PIV			22	EviEEV	EVI EEV		
AI			23	EviIn	EVI IN [°C]		
AI			24	EviOut	EVI OUT [°C]		
PIV			25	OutFnSt	Outdoor Fan Step		
BI			26	Comp1	Comp1		
BI			27	4Way	4Way valve		
BI			28	HotGas1	Hot Gas Bypass1		
BI			29	EviSol1	EVI Solenoid Valve1		
BI			30	EviBps	EVI Bypass		
BI			31	CCH1	Comp Coil Heater1		
CSV			32	SN	Serial Number		

• FJM

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpMode	Operation Mode		
PIV			02	OpStat	Operation Status		
PIV			03	ErrCode	Error Code		
PIV			04	Cap	Capacity [hp]		
PIV			05	TrgFreq1	Target Frequency1 [Hz]		
PIV			06	OrdFreq1	Order Frequency1 [Hz]		
PIV			07	CurFreq1	Current Frequency1 [Hz]		
AI			08	DisT1	Discharge1 [°C]		
PIV			09	TstOp	Test Operation(UP)		
AI			10	CompTop1	Comp Top1 [°C]		
AI			11	OutT	Outdoor temperature [°C]		
AI			12	CompCur1	Compressor current1 [A]		
AI			13	IPM1T	IPM1 temperature [°C]		
AI			14	CondOutT	CondOut temperature [°C]		
PIV			15	FanRPM	Fan RPM [rpm]		
BI			16	Comp1	Comp1		
BI			17	4Way	4Way valve		
BI			18	HotGas1	Hot Gas Bypass1		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			19	PipIn1	Pipe In 1 temp [°C]		
AI			20	PipIn2	Pipe In 2 temp [°C]		
AI			21	PipIn3	Pipe In 3 temp [°C]		
AI			22	PipIn4	Pipe In 4 temp [°C]		
AI			23	PipIn5	Pipe In 5 temp [°C]		
AI			24	PipOut1	Pipe Out 1 temp [°C]		
AI			25	PipOut2	Pipe Out 2 temp [°C]		
AI			26	PipOut3	Pipe Out 3 temp [°C]		
AI			27	PipOut4	Pipe Out 4 temp [°C]		
AI			28	PipOut5	Pipe Out 5 temp [°C]		
PIV			29	EEV1	Main EEV 1		
PIV			30	EEV2	Main EEV 2		
PIV			31	EEV3	Main EEV 3		
PIV			32	EEV4	Main EEV 4		
PIV			33	EEV5	Main EEV 5		
CSV			34	SN	Serial Number		

• CAC Inverter

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpMode	Operation Mode		
PIV			02	ErrCode	Error Code		
PIV			03	TrgFreq1	Target Frequency1 [Hz]		
PIV			04	OrdFreq1	Order Frequency1 [Hz]		
PIV			05	CurFreq1	Current Frequency1 [Hz]		
AI			06	DisT1	Discharge1 [°C]		
AI			07	CompTop1	Comp Top1 [°C]		
AI			08	OutT	Outdoor temperature [°C]		
AI			09	CompCur1	Compressor current1 [A]		
AI			10	IPM1T	IPM1 temperature [°C]		
AI			11	CondOutT	CondOut temperature [°C]		
PIV			12	EEV1	Main EEV 1		
PIV			13	EEV2	Main EEV 2		
PIV			14	EscEEV	ESC EEV		
AI			15	EscIn	ESC IN [°C]		
AI			16	EscOut	ESC OUT [°C]		
BI			17	4Way	4Way valve		
BI			18	HiODT	High OD Temp		
PIV			19	CntHiODT	Counting high OD Temp		
PIV			20	DCLnk1	DC Link1 [V]		
AI			21	TrgDis	Target Discharge [°C]		
PIV			22	FanRPM	Fan RPM [rpm]		
PIV			23	PhsCur	Phase Current [A]		
CSV			24	SN	Serial Number		

• CAC Inverter

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	OpMode	Operation Mode		
PIV			02	ErrCode	Error Code		
PIV			03	TrgFreq1	Target Frequency1 [Hz]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV			04	OrdFreq1	Order Frequency1 [Hz]		
PIV			05	CurFreq1	Current Frequency1 [Hz]		
AI			06	DisT1	Discharge1 [°C]		
AI			07	CompTop1	Comp Top1 [°C]		
AI			08	OutT	Outdoor temperature [°C]		
AI			09	CompCur1	Compressor current1 [A]		
AI			10	IPM1T	IPM1 temperature [°C]		
AI			11	CondOutT	CondOut temperature [°C]		
PIV			12	MainEEV	Main EEV		
BI			13	4Way	4Way valve		
PIV			14	DCLnk1	DC Link1 [V]		
AI			15	TrgDis	Target Discharge [°C]		
PIV			16	FanRPM	Fan RPM [rpm]		
PIV			17	PhsCur	Phase Current [A]		
CSV			18	SN	Serial Number		

• MCU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	BpsEEV	Bypass EEV	
PIV				02	SubCoolEEV	SubCool EEV	
AI				03	SubCoolInT	SubCooler In temp [°C]	
AI				04	SubCoolOutT	SubCooler Out temp [°C]	
BI				05	LBV	LBV	
BI				06	A-Cool	A-Cool	
BI				07	A-Heat	A-Heat	
PIV				08	A-EEV	A-EEV	
PIV				09	A-Addr	A-Address	
BI				10	B-Cool	B-Cool	
BI				11	B-Heat	B-Heat	
PIV				12	B-EEV	B-EEV	
PIV				13	B-Addr	B-Address	
BI				14	C-Cool	C-Cool	
BI				15	C-Heat	C-Heat	
PIV				16	C-EEV	C-EEV	
PIV				17	C-Addr	C-Address	
BI				18	D-Cool	D-Cool	
BI				19	D-Heat	D-Heat	
PIV				20	D-EEV	D-EEV	
PIV				21	D-Addr	D-Address	
BI				22	E-Cool	E-Cool	
BI				23	E-Heat	E-Heat	
PIV				24	E-EEV	E-EEV	
PIV				25	E-Addr	E-Address	
BI				26	F-Cool	F-Cool	
BI				27	F-Heat	F-Heat	
PIV				28	F-EEV	F-EEV	
PIV				29	F-Addr	F-Address	

3.2.8.3 Samsung PRO Enumerated Parameters

• Operation Mode (OpMode)



Value	Description
0	Stop
1	Safety Start
2	Normal
3	Balance
4	Recovery
5	Defrost
6	CompDown
7	Prohibit
8	Line Jig
9	FT Jig
10	Test
11	Charge
12	Pump Down
13	Pump Out
14	Vaccum
15	Calory Jig
16	PumpDownStop
17	Sub Stop
18	Check Pipe
19	Check Ref
20	FPT Jig
21	Nonstop Heat Cool
22	Auto Inspect
23	Electric Discharge
24	Split Deice
25	InverterCheck
26	Nonstop Deice
27	Remocon Test
28	Rating
29	PC TEST
30	Pumpdown thermo off
31	3PHASE Test
32	Smart Install
33	Deice Performance
34	Inverter FAN Check
35	Auto Pipe Pairing
36	Auto Charge

- **Operation Status (OpStat)**

Value	Description
0	Undefined
1	Cool
2	Heat
3	CoolMain
4	HeatMain

- **Test Operation(UP) (TstOp)**

Value	Description
0	Not Completed
1	Completed

3.2.9 Fujitsu



3.2.9.1 Fujitsu PRO Indoor Units

- Heat Pump Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV				00	Model	Model Name	
PIV				01	Cap	Capacity [kBTU/h]	
AI				02	ROOM	Room Temperature [°C]	
AI				03	TH21	TH21 [°C]	
AI				04	TH22	TH22 [°C]	
AI				05	TH24	TH24 [°C]	
PIV				06	EEV	Expansion Valve	
BI				07	ThOn	Therm On	
BI				08	FrzPrvnt	Freeze Prevention	
BI				09	EnrgSv	Energy Save	

- Heat Recovery Indoor Units

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance			Index			
	VA						
CSV				00		Model	Model Name
PIV				01		Cap	Capacity [kBTU/h]
AI				02		ROOM	Room Temperature [°C]
AI				03		TH21	TH21 [°C]
AI				04		TH22	TH22 [°C]
AI				05		TH24	TH24 [°C]
PIV				06		EEV	Expansion Valve
BI				07		ThOn	Therm On
BI				08		FrzPrvnt	Freeze Prevention
BI				09		EnrgSv	Energy Save
CSV				10		RB Model	RB Unit Model Name
PIV				11		RB Subnet	RB Unit Subnet
PIV				12		RB Node	RB Unit Node
BI				13		RB SV1	RB Unit SV1
BI				14		RB SV2	RB Unit SV2
BI				15		RB SV3	RB Unit SV3
BI				16		RB SV4-6	RB Unit SV4-6

3.2.9.2 Fujitsu PRO Outdoor Units

- AJT[40/45/54]LCLAH, AJY[40/45/54]LCLAH, AJCLCTAH, AJHLCLAH, AJQLCLAH, AOURLAVS, AJYLCLDH, AJHLCLDH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	Cap	Capacity [HP]	
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	Compressor 1 (Inverter type)	
BI				07	BH	BH	
BI				08	4WV1	4-way valve 1	
BI				09	SV2	Solenoid valve 2	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			10	CCH1	CCH1		
BI			11	FnSt1	Fan State 1		
IV			12	TH1	Discharge temperature thermistor 1 [°C]		
IV			13	TH3	Suction temperature thermistor [°C]		
IV			14	TH4	Liquid temperature thermistor 1 [°C]		
IV			15	TH5	Liquid temperature thermistor 2 [°C]		
IV			16	TH10	Heat exchanger 2 liquid thermistor [°C]		
AI			17	HPS	High pressure sensor [MPa]		
AI			18	LPS	Low pressure sensor [MPa]		
PIV			19	Cmp1F	CMP1 Drive Frequency [RPS]		
IV			20	Cmp1T	CMP1 Inverter Temperature [°C]		
PIV			21	Cmp1V	CMP1 DC Voltage [V]		
AI			22	Cmp1C	CMP1 CT Current [A]		
PIV			23	FnFreq1	Fan Frequency 1 [RPM]		
PIV			24	EEV1	Electric expansion valve 1 [PIs]		

- **AJY[72/90/108/126/144/162]LALBH, AOULBV1, AJGLNLBH, AJHLALBH, AJHLATBH, AJHLNLBH, AJHLNTBH, AJHLNTCH, AJHLALCH, AJQLALBH, AJYLATBH, AJYLNLBH, AJYLNTH, AJYLNTH, AJYLALCH, AOULCV, AJHLALDH, AJYLALDH**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	Cap	Capacity [HP]		
BI			02	Op	Operation		
PIV			03	Md	Mode		
BI			04	Dfrst	Defrost		
BI			05	OiRcvr	Oil Recovery		
BI			06	Cmp1	Compressor 1 (Inverter type)		
BI			07	BH	BH		
BI			08	HPSW1	High pressure sensor switch 1		
BI			09	4WV1	4-way valve 1		
BI			10	4WV2	4-way valve 2		
BI			11	4WV3	4-way valve 3		
BI			12	SV1	Solenoid valve 1		
BI			13	SV2	Solenoid valve 2		
BI			14	SV3	Solenoid valve 3		
BI			15	CCH1	CCH1		
BI			16	CCH2	CCH2		
BI			17	FnSt1	Fan State 1		
IV			18	TH1	Discharge temperature thermistor 1 [°C]		
IV			19	TH2	TH2 [°C]		
IV			20	TH3	TH3 [°C]		
IV			21	TH4	TH4 [°C]		
IV			22	TH5	TH5 [°C]		
IV			23	TH6	TH6 [°C]		
IV			24	TH7	TH7 [°C]		
IV			25	TH8	TH8 [°C]		
IV			26	TH9	TH9 [°C]		
IV			27	TH10	TH10 [°C]		
IV			28	TH11	TH11 [°C]		
AI			29	HPS	High pressure sensor [MPa]		
AI			30	LPS	Low pressure sensor [MPa]		
PIV			31	Cmp1F	CMP1 Drive Frequency [RPS]		
IV			32	Cmp1T	CMP1 Inverter Temperature [°C]		
PIV			33	Cmp1V	CMP1 DC Voltage [V]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
AI	34				Cmp1C	CMP1 CT Current [A]	
PIV	35				FnFreq1	Fan Frequency 1 [RPM]	
PIV	36				EEV1	Electric expansion valve 1 [PIs]	
PIV	37				EEV2	Electric expansion valve 2 [PIs]	
PIV	38				EEV3	Electric expansion valve 3 [PIs]	

- **AJY[72/90/108]LELAH, AJYuLALH, AJYLELBH, AJHLELBH, AJHLELDH, AJYLELDH, AJHuLALH, AJQLALH, AJALBLAH, AJHLBLAH, AJHLBTAHN, AJHLELAH, AJHLETAHN, AJYLBLAH, AOURLAVM, AOURLAVM4**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name
PIV					01	Cap	Capacity [HP]
BI					02	Op	Operation
PIV					03	Md	Mode
BI					04	Dfrst	Defrost
BI					05	OilRcvr	Oil Recovery
BI					06	Cmp1	Compressor 1 (Inverter type)
BI					07	BH	BH
BI					08	HPSW1	High pressure sensor switch 1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4-way valve 1
BI					13	SV2	Solenoid valve 2
BI					14	CCH1	CCH1
BI					15	FnSt1	Fan State 1
BI					16	FnSt2	Fan State 2
IV					17	TH1	Discharge temperature thermistor 1 [°C]
IV					18	TH3	Suction temperature thermistor [°C]
IV					19	TH4	Liquid temperature thermistor 1 [°C]
IV					20	TH5	Liquid temperature thermistor 2 [°C]
IV					21	TH7	Heat exchanger 1 gas thermistor [°C]
IV					22	TH8	Heat exchanger 2 gas thermistor [°C]
IV					23	TH9	Heat exchanger 1 liquid thermistor [°C]
IV					24	TH10	Heat exchanger 2 liquid thermistor [°C]
AI					25	HPS	High pressure sensor [MPa]
AI					26	LPS	Low pressure sensor [MPa]
PIV					27	Cmp1F	CMP1 Drive Frequency [RPS]
IV					28	Cmp1T	CMP1 Inverter Temperature [°C]
PIV					29	Cmp1V	CMP1 DC Voltage [V]
AI					30	Cmp1C	CMP1 CT Current [A]
PIV					31	FnFreq1	Fan Frequency 1 [RPM]
PIV					32	FnFreq2	Fan Frequency 2 [RPM]
PIV					33	EEV1	Electric expansion valve 1 [PIs]
PIV					34	EEV2	Electric expansion valve 2 [PIs]

- **AJY[72/90/108]LELAH, AJYLELBH, AJHLELBH, AJHLELDH, AJYLELDH, AJHLELAH, AJCLETAH, AJQLELAH, AJULELAH**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV			01	Cap	Capacity [HP]		
BI			02	Op	Operation		
PIV			03	Md	Mode		
BI			04	Dfrst	Defrost		
BI			05	OiRcvr	Oil Recovery		
BI			06	Cmp1	Compressor 1 (Inverter type)		
BI			07	BH	BH		
BI			08	HPSW1	High pressure sensor switch 1		
PIV			09	LoNoise	Low Noise		
BI			10	FrcdOff	Forced Off		
BI			11	CapSv	Capacity Save		
BI			12	4WV1	4-way valve 1		
BI			13	CCH1	CCH1		
BI			14	FnSt1	Fan State 1		
BI			15	FnSt2	Fan State 2		
IV			16	TH1	Discharge temperature thermistor 1 [°C]		
IV			17	TH3	Suction temperature thermistor [°C]		
IV			18	TH4	Liquid temperature thermistor 1 [°C]		
IV			19	TH5	Liquid temperature thermistor 2 [°C]		
IV			20	TH7	Heat exchanger 1 gas thermistor [°C]		
IV			21	TH9	Heat exchanger 1 liquid thermistor [°C]		
IV			22	TH10	Heat exchanger 2 liquid thermistor [°C]		
AI			23	HPS	High pressure sensor [MPa]		
AI			24	LPS	Low pressure sensor [MPa]		
PIV			25	Cmp1F	CMP1 Drive Frequency [RPS]		
IV			26	Cmp1T	CMP1 Inverter Temperature [°C]		
PIV			27	Cmp1V	CMP1 DC Voltage [V]		
AI			28	Cmp1C	CMP1 CT Current [A]		
PIV			29	FnFreq1	Fan Frequency 1 [RPM]		
PIV			30	FnFreq2	Fan Frequency 2 [RPM]		
PIV			31	EEV1	Electric expansion valve 1 [Pls]		
PIV			32	EEV2	Electric expansion valve 2 [Pls]		

• AJY[72/90/108]LELAH, AJYLELBH, AJHLELDH, AJYLELDH, AJHLELAH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	Cap	Capacity [HP]		
BI			02	Op	Operation		
PIV			03	Md	Mode		
BI			04	Dfrst	Defrost		
BI			05	OiRcvr	Oil Recovery		
BI			06	Cmp1	Compressor 1 (Inverter type)		
BI			07	BH	BH		
BI			08	HPSW1	High pressure sensor switch 1		
PIV			09	LoNoise	Low Noise		
BI			10	FrcdOff	Forced Off		
BI			11	CapSv	Capacity Save		
BI			12	4WV1	4-way valve 1		
BI			13	SV1	Solenoid valve 1		
BI			14	CCH1	CCH1		
BI			15	CCH2	CCH2		
BI			16	FnSt1	Fan State 1		
BI			17	FnSt2	Fan State 2		
IV			18	TH1	Discharge temperature thermistor 1 [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
IV			19			TH3	Suction temperature thermistor [°C]
IV			20			TH4	Liquid temperature thermistor 1 [°C]
IV			21			TH5	Liquid temperature thermistor 2 [°C]
IV			22			TH7	Heat exchanger 1 gas thermistor [°C]
IV			23			TH9	Heat exchanger 1 liquid thermistor [°C]
IV			24			TH10	Heat exchanger 2 liquid thermistor [°C]
AI			25			HPS	High pressure sensor [MPa]
AI			26			LPS	Low pressure sensor [MPa]
PIV			27			Cmp1F	CMP1 Drive Frequency [RPS]
IV			28			Cmp1T	CMP1 Inverter Temperature [°C]
PIV			29			Cmp1V	CMP1 DC Voltage [V]
AI			30			Cmp1C	CMP1 CT Current [A]
PIV			31			FnFreq1	Fan Frequency 1 [RPM]
PIV			32			FnFreq2	Fan Frequency 2 [RPM]
PIV			33			EEV1	Electric expansion valve 1 [PIs]
PIV			34			EEV2	Electric expansion valve 2 [PIs]

• **AJY[72/90/108]LELAH, AJYLELBH, AJHLELDH**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00			Type	Outdoor Unit Type Name
PIV			01			Cap	Capacity [HP]
BI			02			Op	Operation
PIV			03			Md	Mode
BI			04			Dfrst	Defrost
BI			05			OiRcvr	Oil Recovery
BI			06			Cmp1	Compressor 1 (Inverter type)
BI			07			BH	BH
BI			08			HPSW1	High pressure sensor switch 1
PIV			09			LoNoise	Low Noise
BI			10			FrcdOff	Forced Off
BI			11			CapSv	Capacity Save
BI			12			4WV1	4-way valve 1
BI			13			SV1	Solenoid valve 1
BI			14			SV3	Solenoid valve 3
BI			15			CCH1	CCH1
BI			16			CCH2	CCH2
BI			17			FnSt1	Fan State 1
BI			18			FnSt2	Fan State 2
IV			19			TH1	Discharge temperature thermistor 1 [°C]
IV			20			TH3	Suction temperature thermistor [°C]
IV			21			TH4	Liquid temperature thermistor 1 [°C]
IV			22			TH5	Liquid temperature thermistor 2 [°C]
IV			23			TH7	Heat exchanger 1 gas thermistor [°C]
IV			24			TH9	Heat exchanger 1 liquid thermistor [°C]
IV			25			TH10	Heat exchanger 2 liquid thermistor [°C]
AI			26			HPS	High pressure sensor [MPa]
AI			27			LPS	Low pressure sensor [MPa]
PIV			28			Cmp1F	CMP1 Drive Frequency [RPS]
IV			29			Cmp1T	CMP1 Inverter Temperature [°C]
PIV			30			Cmp1V	CMP1 DC Voltage [V]
AI			31			Cmp1C	CMP1 CT Current [A]
PIV			32			FnFreq1	Fan Frequency 1 [RPM]
PIV			33			FnFreq2	Fan Frequency 2 [RPM]
PIV			34			EEV1	Electric expansion valve 1 [PIs]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	35				EEV2	Electric expansion valve 2 [PIs]	

- **AJYuLALH, AOUuRLBV, AJHuLALH, AJHuLATH, AJQLALH, AJYuLATH, AJHLNLAH, AJHLNLAHU, AJHLNTAH, AJQLBLH, AJYLNLAH, AJYLNTAH**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				Cap	Capacity [HP]	
BI	02				Op	Operation	
PIV	03				Md	Mode	
BI	04				Dfrst	Defrost	
BI	05				OiRcvr	Oil Recovery	
BI	06				Cmp1	Compressor 1 (Inverter type)	
BI	07				Cmp2	CMP2	
BI	08				BH	BH	
BI	09				HPSW1	High pressure sensor switch 1	
BI	10				HPSW2	HPSW2	
PIV	11				LoNoise	Low Noise	
BI	12				FrcdOff	Forced Off	
BI	13				CapSv	Capacity Save	
BI	14				4WV1	4-way valve 1	
BI	15				SV1	Solenoid valve 1	
BI	16				SV2	Solenoid valve 2	
BI	17				SV3	Solenoid valve 3	
BI	18				SV4	SV4	
BI	19				SV5	SV5	
BI	20				SV6	SV6	
BI	21				SV7	SV7	
BI	22				CCH1	CCH1	
BI	23				CCH2	CCH2	
BI	24				FnSt1	Fan State 1	
IV	25				TH1	Discharge temperature thermistor 1 [°C]	
IV	26				TH2	Outdoor temperature thermistor [°C]	
IV	27				TH3	Suction temperature thermistor [°C]	
IV	28				TH4	Liquid temperature thermistor 1 [°C]	
IV	29				TH5	Liquid temperature thermistor 2 [°C]	
IV	30				TH6	Sub-cool heat exchanger (outlet) thermistor [°C]	
IV	31				TH7	Heat exchanger 1 gas thermistor [°C]	
IV	32				TH8	Heat exchanger 2 gas thermistor [°C]	
IV	33				TH9	Heat exchanger 1 liquid thermistor [°C]	
IV	34				TH10	Heat exchanger 2 liquid thermistor [°C]	
IV	35				TH11	Compressor 1 temperature thermistor 1 [°C]	
AI	36				HPS	High pressure sensor [MPa]	
AI	37				LPS	Low pressure sensor [MPa]	
PIV	38				Cmp1F	CMP1 Drive Frequency [RPS]	
IV	39				Cmp1T	CMP1 Inverter Temperature [°C]	
PIV	40				Cmp1V	CMP1 DC Voltage [V]	
AI	41				Cmp1C	CMP1 CT Current [A]	
AI	42				Cmp2C	CMP2 (Constant speed) Current [A]	
PIV	43				FnFreq1	Fan Frequency 1 [RPM]	
PIV	44				EEV1	Electric expansion valve 1 [PIs]	
PIV	45				EEV2	Electric expansion valve 2 [PIs]	

- **AJYLALH, AJHLALH, AJHLATH, AJQLALH, AJYLATH**



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	Cap	Capacity [HP]		
BI			02	Op	Operation		
PIV			03	Md	Mode		
BI			04	Dfrst	Defrost		
BI			05	OilRcvr	Oil Recovery		
BI			06	Cmp1	Compressor 1 (Inverter type)		
BI			07	Cmp2	CMP2		
BI			08	BH	BH		
BI			09	HPSW1	High pressure sensor switch 1		
BI			10	HPSW2	HPSW2		
PIV			11	LoNoise	Low Noise		
BI			12	FrcdOff	Forced Off		
BI			13	CapSv	Capacity Save		
BI			14	4WV1	4-way valve 1		
BI			15	SV1	Solenoid valve 1		
BI			16	SV2	Solenoid valve 2		
BI			17	SV3	Solenoid valve 3		
BI			18	SV4	SV4		
BI			19	SV5	SV5		
BI			20	SV6	SV6		
BI			21	SV7	SV7		
BI			22	CCH1	CCH1		
BI			23	CCH2	CCH2		
BI			24	FnSt1	Fan State 1		
IV			25	TH1	Discharge temperature thermistor 1 [°C]		
IV			26	TH2	Outdoor temperature thermistor [°C]		
IV			27	TH3	Suction temperature thermistor [°C]		
IV			28	TH4	Liquid temperature thermistor 1 [°C]		
IV			29	TH5	Liquid temperature thermistor 2 [°C]		
IV			30	TH6	Sub-cool heat exchanger (outlet) thermistor [°C]		
IV			31	TH7	Heat exchanger 1 gas thermistor [°C]		
IV			32	TH8	Heat exchanger 2 gas thermistor [°C]		
IV			33	TH9	Heat exchanger 1 liquid thermistor [°C]		
IV			34	TH10	Heat exchanger 2 liquid thermistor [°C]		
IV			35	TH11	Compressor 1 temperature thermistor 1 [°C]		
AI			36	HPS	High pressure sensor [MPa]		
AI			37	LPS	Low pressure sensor [MPa]		
PIV			38	Cmp1F	CMP1 Drive Frequency [RPS]		
IV			39	Cmp1T	CMP1 Inverter Temperature [°C]		
PIV			40	Cmp1V	CMP1 DC Voltage [V]		
AI			41	Cmp1C	CMP1 CT Current [A]		
PIV			42	FnFreq1	Fan Frequency 1 [RPM]		
PIV			43	EEV1	Electric expansion valve 1 [PIs]		
PIV			44	EEV2	Electric expansion valve 2 [PIs]		

- AJYLALH, AJHLALH, AJHLATH, AJQLALH, AJYLATH, AJHLNLAH, AJHLNLAHU, AJHLNTAH, AJQLBLH, AJYLNLAH, AJYLNLAHU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	Cap	Capacity [HP]		
BI			02	Op	Operation		
PIV			03	Md	Mode		
BI			04	Dfrst	Defrost		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			Index			
	VA						
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	Compressor 1 (Inverter type)	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	High pressure sensor switch 1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4-way valve 1	
BI				15	SV1	Solenoid valve 1	
BI				16	SV2	Solenoid valve 2	
BI				17	SV3	Solenoid valve 3	
BI				18	SV4	SV4	
BI				19	SV5	SV5	
BI				20	SV6	SV6	
BI				21	SV7	SV7	
BI				22	CCH1	CCH1	
BI				23	CCH2	CCH2	
BI				24	FnSt1	Fan State 1	
IV				25	TH1	Discharge temperature thermistor 1 [°C]	
IV				26	TH2	Outdoor temperature thermistor [°C]	
IV				27	TH3	Suction temperature thermistor [°C]	
IV				28	TH4	Liquid temperature thermistor 1 [°C]	
IV				29	TH5	Liquid temperature thermistor 2 [°C]	
IV				30	TH6	Sub-cool heat exchanger (outlet) thermistor [°C]	
IV				31	TH7	Heat exchanger 1 gas thermistor [°C]	
IV				32	TH8	Heat exchanger 2 gas thermistor [°C]	
IV				33	TH9	Heat exchanger 1 liquid thermistor [°C]	
IV				34	TH10	Heat exchanger 2 liquid thermistor [°C]	
IV				35	TH11	Compressor 1 temperature thermistor 1 [°C]	
AI				36	HPS	High pressure sensor [MPa]	
AI				37	LPS	Low pressure sensor [MPa]	
PIV				38	Cmp1F	CMP1 Drive Frequency [RPS]	
IV				39	Cmp1T	CMP1 Inverter Temperature [°C]	
PIV				40	Cmp1V	CMP1 DC Voltage [V]	
AI				41	Cmp1C	CMP1 CT Current [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	Electric expansion valve 1 [PIs]	
PIV				45	EEV2	Electric expansion valve 2 [PIs]	

- AJHuGALH, AJHGALH, AOULBV, AJHGALBH, AJYGALBH, AJQGALAH, AJTuGALH, AJTGALH, AJTGBLH, AJYuGALH, AJYGALH, AOULCV, AJYGALDH, AJHGALDH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	Cap	Capacity [HP]		
BI			02	Op	Operation		
PIV			03	Md	Mode		
BI			04	Dfrst	Defrost		
BI			05	OiRcvr	Oil Recovery		
BI			06	Cmp1	Compressor 1 (Inverter type)		
BI			07	BH	BH		
BI			08	HPSW1	High pressure sensor switch 1		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV	09		LoNoise	Low Noise			
BI	10		FrcdOff	Forced Off			
BI	11		CapSv	Capacity Save			
BI	12		4WV1	4-way valve 1			
BI	13		4WV2	4-way valve 2			
BI	14		SV1	Solenoid valve 1			
BI	15		SV2	Solenoid valve 2			
BI	16		SV3	Solenoid valve 3			
BI	17		SV4	SV4			
BI	18		CCH1	CCH1			
BI	19		CCH2	CCH2			
BI	20		FnSt1	Fan State 1			
IV	21		TH1	Discharge temperature thermistor 1 [°C]			
IV	22		TH2	Outdoor temperature thermistor [°C]			
IV	23		TH3	Suction temperature thermistor [°C]			
IV	24		TH4	Liquid temperature thermistor 1 [°C]			
IV	25		TH5	Liquid temperature thermistor 2 [°C]			
IV	26		TH6	Sub-cool heat exchanger (outlet) thermistor [°C]			
IV	27		TH7	Heat exchanger 1 gas thermistor [°C]			
IV	28		TH8	Heat exchanger 2 gas thermistor [°C]			
IV	29		TH9	Heat exchanger 1 liquid thermistor [°C]			
IV	30		TH10	Heat exchanger 2 liquid thermistor [°C]			
IV	31		TH11	Compressor 1 temperature thermistor 1 [°C]			
AI	32		HPS	High pressure sensor [MPa]			
AI	33		LPS	Low pressure sensor [MPa]			
PIV	34		Cmp1F	CMP1 Drive Frequency [RPS]			
IV	35		Cmp1T	CMP1 Inverter Temperature [°C]			
PIV	36		Cmp1V	CMP1 DC Voltage [V]			
AI	37		Cmp1C	CMP1 CT Current [A]			
PIV	38		FnFreq1	Fan Frequency 1 [RPM]			
PIV	39		EEV1	Electric expansion valve 1 [Pls]			
PIV	40		EEV2	Electric expansion valve 2 [Pls]			
PIV	41		EEV3	Electric expansion valve 3 [Pls]			

3.2.9.3 Fujitsu PRO Enumerated Parameters

- Mode (Md)

Value	Description
0	Idling
1	Cool
2	Heat
3	-
4	Idling
5	Cool(Main)
6	Heat(Main)
7	-

3.2.10 Midea

3.2.10.1 Midea PRO Indoor Units

- V5



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			01	Mdl	Model		
AI			02	HP	Capacity [hp]		
AI			03	T2B	T2B (Evaporator middle pipe temperature) [°C]		
AI			04	T2A	T2A (Evaporator pipe temperature) [°C]		
AI			05	T1	T1 (Ambient temperature) [°C]		
AI			06	T3	T3 (Condenser pipe temperature) [°C]		
PIV			07	Cur	Compressor current [A]		
PIV			08	Hum	Humidity [%]		
PIV			09	Dmnd	Capacity demand		
PIV			10	Freq	Compressor frequency [Hz]		
PIV			11	EEV1	EEV1		
PIV			12	EEV2	EEV2		

- V6

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	01					Mdl	Model
AI	02					HP	Capacity [hp]
AI	03					T2B	T2B [°C]
AI	04					T2	T2 [°C]
AI	05					T1	T1 (Ambient temperature) [°C]
PIV	06					EXV	EXV (Electronic expansion valve)

3.2.10.2 Midea PRO Outdoor Units

- V6 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	Md	Mode		
PIV			02	PreHt	Preheat		
PIV			03	OiRet	Oil Return		
PIV			04	Dfrst	Defrosting		
PIV			05	MdOpPri	Mode operation priority		
AI			06	T2BAvg	T2B Average [°C]		
PIV			07	SysDmnd	System Demand		
PIV			08	HP	HP [hp]		
PIV			09	Fan1	Fan1		
PIV			10	Fan2	Fan2		
AI			11	HiPrs	High pressure [MPa]		
AI			12	T6A	T6A [°C]		
AI			13	T6B	T6B [°C]		
AI			14	T4	T4 (outdoor ambient temperature) [°C]		
AI			15	T3	T3 (condenser temperature) [°C]		
PIV			16	Tf1	Tf1 [°C]		
PIV			17	Tf2	Tf2 [°C]		
PIV			18	INV1	INV1 (compressor 1 frequency) [rps]		
PIV			19	INV2	INV2 (compressor 2 frequency) [rps]		
PIV			20	CUR1	CUR1 (current 1) [A]		
PIV			21	CUR2	CUR2 (current 2) [A]		
PIV			22	T7C1	T7C1 (discharge 1) [°C]		
PIV			23	T7C2	T7C2 (discharge 2) [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV			24			EXVA	EXVA (electronic expansion valve A)
PIV			25			EXVB	EXVB (electronic expansion valve B)
PIV			26			EXVC	EXVC (electronic expansion valve C)
PIV			27			CRANK1	CRANK1
PIV			28			CRANK2	CRANK2
PIV			29			SV4	SV4
PIV			30			SV5	SV5
PIV			31			SV6	SV6
PIV			32			SV7	SV7
PIV			33			SV8A	SV8A
PIV			34			SV8B	SV8B
PIV			35			SV9	SV9
PIV			36			ST1	ST1
CSV			37			Err	Error Code
PIV			38			Dmnd	Demand
PIV			39			SprHt	Superheat [°C]

• V6 Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	HP	HP [hp]		
PIV			02	Fan1	Fan1		
PIV			03	Fan2	Fan2		
AI			04	HiPrs	High pressure [MPa]		
AI			05	T6A	T6A [°C]		
AI			06	T6B	T6B [°C]		
AI			07	T4	T4 (outdoor ambient temperature) [°C]		
AI			08	T3	T3 (condenser temperature) [°C]		
PIV			09	Tf1	Tf1 [°C]		
PIV			10	Tf2	Tf2 [°C]		
PIV			11	INV1	INV1 (compressor 1 frequency) [rps]		
PIV			12	INV2	INV2 (compressor 2 frequency) [rps]		
PIV			13	CUR1	CUR1 (current 1) [A]		
PIV			14	CUR2	CUR2 (current 2) [A]		
PIV			15	T7C1	T7C1 (discharge 1) [°C]		
PIV			16	T7C2	T7C2 (discharge 2) [°C]		
PIV			17	EXVA	EXVA (electronic expansion valve A)		
PIV			18	EXVB	EXVB (electronic expansion valve B)		
PIV			19	EXVC	EXVC (electronic expansion valve C)		
PIV			20	CRANK1	CRANK1		
PIV			21	CRANK2	CRANK2		
PIV			22	SV4	SV4		
PIV			23	SV5	SV5		
PIV			24	SV6	SV6		
PIV			25	SV7	SV7		
PIV			26	SV8A	SV8A		
PIV			27	SV8B	SV8B		
PIV			28	SV9	SV9		
PIV			29	ST1	ST1		
CSV			30	Err	Error Code		
PIV			31	Dmnd	Demand		
PIV			32	SprHt	Superheat [°C]		

• V6-Lennox Master



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				Md	Mode	
PIV	02				PreHt	Preheat	
PIV	03				OiRet	Oil Return	
PIV	04				Dfrst	Defrosting	
PIV	05				MdOpPri	Mode operation priority	
PIV	06				OvrCon	Over connected	
AI	07				T2BAvg	T2B Average [°C]	
PIV	08				SysDmnd	System Demand	
AI	09				SysT4	System T4 [°C]	
IV	10				SHS-SCS	SHS-SCS [°C]	
IV	11				Tc	High pressure saturation temp (Tc) [°C]	
IV	12				Te	Te [°C]	
PIV	13				HP	HP [hp]	
PIV	14				Fan1	Fan1	
PIV	15				Fan2	Fan2	
AI	16				HiPrs	High pressure [MPa]	
AI	17				LoPrs	Low pressure [MPa]	
AI	18				T6A	T6A [°C]	
AI	19				T6B	T6B [°C]	
AI	20				T4	T4 (outdoor ambient temperature) [°C]	
AI	21				T3A	T3A [°C]	
AI	22				T3B	T3B [°C]	
PIV	23				Tf1	Tf1 [°C]	
PIV	24				INV1	INV1 (compressor 1 frequency) [rps]	
PIV	25				INV2	INV2 (compressor 2 frequency) [rps]	
PIV	26				CUR1	CUR1 (current 1) [A]	
PIV	27				CUR2	CUR2 (current 2) [A]	
PIV	28				T7C1	T7C1 (discharge 1) [°C]	
PIV	29				T7C2	T7C2 (discharge 2) [°C]	
PIV	30				EXVA	EXVA (electronic expansion valve A)	
PIV	31				EXVB	EXVB (electronic expansion valve B)	
PIV	32				EXVC	EXVC (electronic expansion valve C)	
PIV	33				CRANK1	CRANK1	
PIV	34				CRANK2	CRANK2	
PIV	35				SV2	SV2	
PIV	36				SV4	SV4	
PIV	37				SV5	SV5	
PIV	38				SV6	SV6	
PIV	39				SV7	SV7	
PIV	40				SV8A	SV8A	
PIV	41				SV8B	SV8B	
PIV	42				SV9	SV9	
PIV	43				ST1	ST1	
PIV	44				ST2	ST2	
PIV	45				ST3	ST3	
CSV	46				Err	Error Code	
PIV	47				Dmnd	Demand	
PIV	48				SprHt	Superheat [°C]	
PIV	49				Ver	Version	

• V6-Lenox Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV	01		HP	HP [hp]			
PIV	02		Fan1	Fan1			
PIV	03		Fan2	Fan2			
AI	04		HiPrs	High pressure [MPa]			
AI	05		LoPrs	Low pressure [MPa]			
AI	06		T6A	T6A [°C]			
AI	07		T6B	T6B [°C]			
AI	08		T4	T4 (outdoor ambient temperature) [°C]			
AI	09		T3A	T3A [°C]			
AI	10		T3B	T3B [°C]			
PIV	11		Tf1	Tf1 [°C]			
PIV	12		INV1	INV1 (compressor 1 frequency) [rps]			
PIV	13		INV2	INV2 (compressor 2 frequency) [rps]			
PIV	14		CUR1	CUR1 (current 1) [A]			
PIV	15		CUR2	CUR2 (current 2) [A]			
PIV	16		T7C1	T7C1 (discharge 1) [°C]			
PIV	17		T7C2	T7C2 (discharge 2) [°C]			
PIV	18		EXVA	EXVA (electronic expansion valve A)			
PIV	19		EXVB	EXVB (electronic expansion valve B)			
PIV	20		EXVC	EXVC (electronic expansion valve C)			
PIV	21		CRANK1	CRANK1			
PIV	22		CRANK2	CRANK2			
PIV	23		SV2	SV2			
PIV	24		SV4	SV4			
PIV	25		SV5	SV5			
PIV	26		SV6	SV6			
PIV	27		SV7	SV7			
PIV	28		SV8A	SV8A			
PIV	29		SV8B	SV8B			
PIV	30		SV9	SV9			
PIV	31		ST1	ST1			
PIV	32		ST2	ST2			
PIV	33		ST3	ST3			
CSV	34		Err	Error Code			
PIV	35		Dmnd	Demand			
PIV	36		SprHt	Superheat [°C]			
PIV	37		Ver	Version			

• CR-HP Master

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	Md	Mode		
BI			02	PreHt	Preheat		
PIV			03	OiRet	Oil Return		
PIV			04	Dfrst	Defrosting		
PIV			05	MdOpPri	Mode operation priority		
PIV			06	ShtRefSig	Short of refrigerant signal		
PIV			07	OvrCon	Over connected		
AI			08	SysT4	System T4 [°C]		
AI			09	SysHP	System HP [MPa]		
AI			10	SysLP	System LP [MPa]		
PIV			11	MinDSH	Min.DSH [°C]		
PIV			12	PrtChk	Port check		
PIV			13	FanStc	Fan static		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV			14		SIntSt	Silent State	
PIV			15		Ton	Ton	
PIV			16		Fan1	Fan1	
PIV			17		Fan2	Fan2	
AI			18		HiPrs	High pressure [MPa]	
AI			19		LoPrs	Low pressure [MPa]	
AI			20		T4	T4 (outdoor ambient temperature) [°C]	
AI			21		T3	T3 (condenser temperature) [°C]	
IV			22		Tf	Tf [°C]	
IV			23		Tc	Tc [°C]	
AI			24		Te	Te [°C]	
IV			25		T71	T71 [°C]	
IV			26		T72	T72 [°C]	
AI			27		T5	T5 [°C]	
AI			28		T7	T7 [°C]	
PIV			29		INV1	INV1 (compressor 1 frequency) [rps]	
PIV			30		INV2	INV2 (compressor 2 frequency) [rps]	
PIV			31		CUR1	CUR1 (current 1) [A]	
PIV			32		CUR2	CUR2 (current 2) [A]	
PIV			33		EXVA/B	EXVA/B	
PIV			34		EXVC	EXVC (electronic expansion valve C)	
PIV			35		CRANK1	CRANK1	
PIV			36		CRANK2	CRANK2	
PIV			37		SV4	SV4	
PIV			38		SV7	SV7	
PIV			39		ST1	ST1	
PIV			40		OnOff	On/Off	
PIV			41		NgtSInt	Night Silent	
CSV			42		Err	Error Code	
PIV			43		Dmnd	Demand	
PIV			44		InvQty	INV Qty	

• CR-HP Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	Ton	Ton	
PIV				02	Fan1	Fan1	
PIV				03	Fan2	Fan2	
AI				04	HiPrs	High pressure [MPa]	
AI				05	LoPrs	Low pressure [MPa]	
AI				06	T4	T4 (outdoor ambient temperature) [°C]	
AI				07	T3	T3 (condenser temperature) [°C]	
IV				08	Tf	Tf [°C]	
IV				09	Tc	Tc [°C]	
AI				10	Te	Te [°C]	
IV				11	T71	T71 [°C]	
IV				12	T72	T72 [°C]	
AI				13	T5	T5 [°C]	
AI				14	T7	T7 [°C]	
PIV				15	INV1	INV1 (compressor 1 frequency) [rps]	
PIV				16	INV2	INV2 (compressor 2 frequency) [rps]	
PIV				17	CUR1	CUR1 (current 1) [A]	
PIV				18	CUR2	CUR2 (current 2) [A]	
PIV				19	EXVA/B	EXVA/B	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV	20				EXVC	EXVC (electronic expansion valve C)	
PIV	21				CRANK1	CRANK1	
PIV	22				CRANK2	CRANK2	
PIV	23				SV4	SV4	
PIV	24				SV7	SV7	
PIV	25				ST1	ST1	
PIV	26				OnOff	On/Off	
PIV	27				NgtSlnt	Night Silent	
CSV	28				Err	Error Code	
PIV	29				Dmnd	Demand	
PIV	30				InvQty	INV Qty	

• CR-HR Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV	00				Type	Outdoor Unit Type Name	
PIV	01				Md	Mode	
BI	02				PreHt	Preheat	
PIV	03				OiRet	Oil Return	
PIV	04				Dfrst	Defrosting	
PIV	05				ShtRefSig	Short of refrigerant signal	
PIV	06				OvrCon	Over connected	
AI	07				SysT4	System T4 [°C]	
PIV	08				MinDSH	Min.DSH [°C]	
PIV	09				PrtChk	Port check	
PIV	10				FanStc	Fan static	
PIV	11				SIntSt	Silent State	
PIV	12				MdChngSig	Mode change signal	
PIV	13				PI	PI	
PIV	14				FF	FF	
IV	15				Tcs	Tcs [°C]	
AI	16				Tes	Tes [°C]	
PIV	17				Ton	Ton	
PIV	18				Fan1	Fan1	
PIV	19				Fan2	Fan2	
AI	20				HiPrs	High pressure [MPa]	
AI	21				LoPrs	Low pressure [MPa]	
AI	22				T4	T4 (outdoor ambient temperature) [°C]	
AI	23				T3A	T3A [°C]	
AI	24				T3C	T3C [°C]	
IV	25				Tf	Tf [°C]	
IV	26				Tc	Tc [°C]	
AI	27				Te	Te [°C]	
IV	28				T71	T71 [°C]	
IV	29				T72	T72 [°C]	
AI	30				T5	T5 [°C]	
AI	31				T6	T6 [°C]	
AI	32				T7	T7 [°C]	
PIV	33				INV1	INV1 (compressor 1 frequency) [rps]	
PIV	34				INV2	INV2 (compressor 2 frequency) [rps]	
PIV	35				CUR1	CUR1 (current 1) [A]	
PIV	36				CUR2	CUR2 (current 2) [A]	
PIV	37				CRANK1	CRANK1	
PIV	38				CRANK2	CRANK2	
PIV	39				SV4	SV4	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	40					SV5	SV5
PIV	41					SV6	SV6
PIV	42					SV7	SV7
PIV	43					ST1	ST1
PIV	44					OnOff	On/Off
PIV	45					NgtSInt	Night Silent
CSV	46					Err	Error Code
PIV	47					Dmnd	Demand
PIV	48					InvQty	INV Qty
PIV	49					HexStp	HEXStep

• CR-HR Slave

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					Ton	Ton
PIV	02					Fan1	Fan1
PIV	03					Fan2	Fan2
AI	04					HiPrs	High pressure [MPa]
AI	05					LoPrs	Low pressure [MPa]
AI	06					T4	T4 (outdoor ambient temperature) [°C]
AI	07					T3A	T3A [°C]
AI	08					T3C	T3C [°C]
IV	09					Tf	Tf [°C]
IV	10					Tc	Tc [°C]
AI	11					Te	Te [°C]
IV	12					T71	T71 [°C]
IV	13					T72	T72 [°C]
AI	14					T5	T5 [°C]
AI	15					T6	T6 [°C]
AI	16					T7	T7 [°C]
PIV	17					INV1	INV1 (compressor 1 frequency) [rps]
PIV	18					INV2	INV2 (compressor 2 frequency) [rps]
PIV	19					CUR1	CUR1 (current 1) [A]
PIV	20					CUR2	CUR2 (current 2) [A]
PIV	21					CRANK1	CRANK1
PIV	22					CRANK2	CRANK2
PIV	23					SV4	SV4
PIV	24					SV5	SV5
PIV	25					SV6	SV6
PIV	26					SV7	SV7
PIV	27					ST1	ST1
PIV	28					OnOff	On/Off
PIV	29					NgtsInt	Night Silent
CSV	30					Err	Error Code
PIV	31					Dmnd	Demand
PIV	32					InvQty	INV Qty
PIV	33					HexStp	HEXStep

• CR-Mini Master

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV					00	Type	Outdoor Unit Type Name



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV			01	Md	Mode		
PIV			02	OiRet	Oil Return		
PIV			03	Dfrst	Defrosting		
AI			04	SysT4	System T4 [°C]		
AI			05	SysHP	System HP [MPa]		
PIV			06	MinDSH	Min.DSH [°C]		
PIV			07	PrtChk	Port check		
PIV			08	Ton	Ton		
PIV			09	Fan1	Fan1		
PIV			10	Fan2	Fan2		
AI			11	HiPrs	High pressure [MPa]		
AI			12	T4	T4 (outdoor ambient temperature) [°C]		
AI			13	T3	T3 (condenser temperature) [°C]		
IV			14	Tf	Tf [°C]		
IV			15	Tc	Tc [°C]		
IV			16	T5	T5 [°C]		
PIV			17	INV1	INV1 (compressor 1 frequency) [rps]		
PIV			18	CUR1	CUR1 (current 1) [A]		
PIV			19	EXVA	EXVA (electronic expansion valve A)		
PIV			20	CRANK1	CRANK1		
PIV			21	SV4	SV4		
PIV			22	SV5	SV5		
PIV			23	SV6	SV6		
PIV			24	ST1	ST1		
PIV			25	OnOff	On/Off		
CSV			26	Err	Error Code		
PIV			27	Dmnd	Demand		
PIV			28	InvQty	INV Qty		

• CR-Mini Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	Ton	Ton	
PIV				02	Fan1	Fan1	
PIV				03	Fan2	Fan2	
AI				04	HiPrs	High pressure [MPa]	
AI				05	T4	T4 (outdoor ambient temperature) [°C]	
AI				06	T3	T3 (condenser temperature) [°C]	
IV				07	Tf	Tf [°C]	
IV				08	Tc	Tc [°C]	
IV				09	T5	T5 [°C]	
PIV				10	INV1	INV1 (compressor 1 frequency) [rps]	
PIV				11	CUR1	CUR1 (current 1) [A]	
PIV				12	EXVA	EXVA (electronic expansion valve A)	
PIV				13	CRANK1	CRANK1	
PIV				14	SV4	SV4	
PIV				15	SV5	SV5	
PIV				16	SV6	SV6	
PIV				17	ST1	ST1	
PIV				18	OnOff	On/Off	
CSV				19	Err	Error Code	
PIV				20	Dmnd	Demand	
PIV				21	InvQty	INV Qty	



• V8 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	Md	Mode	
PIV				02	SysFT	System FT	
AI				03	TeMin	TeMin [°C]	
AI				04	TcMax	TcMax [°C]	
AI				05	TPMax	System Maximum Discharge temp [°C]	
AI				06	T4Min	T4Min [°C]	
AI				07	DSHMin	DSHMin [°C]	
AI				08	SHS	SHS [°C]	
AI				09	SCS	SCS [°C]	
AI				10	Tcs	Tcs [°C]	
AI				11	Tes	Tes [°C]	
AI				12	T2/T2B	T2/T2B [°C]	
AI				13	TPMin	System Minimum Discharge temp [°C]	
PIV				14	StatPrSet	Static Pressure Setting	
PIV				15	SMd	Special Mode	
PIV				16	CapOvl	ODU capacity overloaded	
PIV				17	SMdSt	Special Mode Steps	
PIV				18	SMdTp	Special Mode Type	
PIV				19	SysDecLev	Decay level (system)	
PIV				20	BkpOpTp	Backup Operating Type	
PIV				21	BkpOpSt	Backup Operating Status	
PIV				22	SensBkp	Sensor backup	
PIV				23	ComFnBkp	Compressor fan backup	
PIV				24	PwrLmSet	Power Limit Setting	
PIV				25	SIntMdSet	Silent Mode Setting	
PIV				26	ASnowSet	Anti-Snow Setting	
PIV				27	LPwrMd	Low power mode	
PIV				28	MPC	MPC enable	
PIV				29	IOProtTp	IDU and ODU protocol type	
CSV				30	Err	Error Code	
PIV				31	OpEngNd	Operating energy need	
PIV				32	ComFr1	Compressor 1 frequency (Hz) [Hz]	
PIV				33	ComFr2	Compressor 2 frequency (Hz) [Hz]	
PIV				34	FnSpd1	Fan 1 speed (rpm) [rpm]	
PIV				35	FnSpd2	Fan 2 speed (rpm) [rpm]	
PIV				36	EXVA	EXVA (pls) [pls]	
PIV				37	EXVB	EXVB (pls) [pls]	
PIV				38	EXVC	EXVC (pls) [pls]	
PIV				39	IDC1	Compressor current (IDC1) [A]	
PIV				40	NTC1	Compressor 1 (NTC) [°C]	
PIV				41	VDC1	DC voltage (VDC1) [V]	
PIV				42	IDC2	Compressor current (IDC2) [A]	
PIV				43	NTC2	Compressor 2 (NTC) [°C]	
PIV				44	VDC2	DC voltage (VDC2) [V]	
PIV				45	FrLmEn	Frequency limit enabled	
AI				46	T3	T3 (condenser temperature) [°C]	
AI				47	T4	T4 (outdoor ambient temperature) [°C]	
AI				48	T5	T5 [°C]	
AI				49	T6A	T6A [°C]	
AI				50	T6B	T6B [°C]	
AI				51	T8	T8 [°C]	
AI				52	T9	T9 [°C]	
AI				53	Tg	Tg [°C]	
AI				54	T71	T71 [°C]	
AI				55	T72	T72 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI			56		TL	TL [°C]	
AI			57		T7C1	ODU discharge temp 1 (T7c1) [°C]	
AI			58		T7C2	ODU discharge temp 2 (T7c2) [°C]	
AI			59		HiPrs	High pressure [MPa]	
AI			60		LoPrs	Low pressure [MPa]	
AI			61		Tc	High pressure saturation temp (Tc) [°C]	
AI			62		Te	Te [°C]	
AI			63		TDSH	Discharge superheat degree (TDSH) [°C]	
IV			64		VAC	AC voltage (VAC) [V]	
AI			65		IAC	AC current (IAC) [A]	
PIV			66		SWVer	Software main version	
PIV			67		SWSubVer	Software sub version	
PIV			68		Mdl	Model	
AI			69		HP	HP [hp]	
AI			70		HPN	HP on nameplate (Hp) [hp]	
PIV			71		CRANK1	CRANK1	
PIV			72		CRANK2	CRANK2	
PIV			73		SV4	SV4	
PIV			74		SV5	SV5	
PIV			75		SV6	SV6	
PIV			76		SV7	SV7	
PIV			77		SV8A	SV8A	
PIV			78		SV8B	SV8B	
PIV			79		ST1	ST1	
PIV			80		DecLev	Decay level	
PIV			81		BlkRt	Blockage rate	
PIV			82		BkpSt	Backup status	
PIV			83		TSDis	Top/Side discharge	
PIV			84		RefTp	Refrigerant type setting	

• V8 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
CSV			01	Err	Error Code		
PIV			02	OpEngNd	Operating energy need		
PIV			03	ComFr1	Compressor 1 frequency (Hz) [Hz]		
PIV			04	ComFr2	Compressor 2 frequency (Hz) [Hz]		
PIV			05	FnSpd1	Fan 1 speed (rpm) [rpm]		
PIV			06	FnSpd2	Fan 2 speed (rpm) [rpm]		
PIV			07	EXVA	EXVA (pls) [pls]		
PIV			08	EXVB	EXVB (pls) [pls]		
PIV			09	EXVC	EXVC (pls) [pls]		
PIV			10	IDC1	Compressor current (IDC1) [A]		
PIV			11	NTC1	Compressor 1 (NTC) [°C]		
PIV			12	VDC1	DC voltage (VDC1) [V]		
PIV			13	IDC2	Compressor current (IDC2) [A]		
PIV			14	NTC2	Compressor 2 (NTC) [°C]		
PIV			15	VDC2	DC voltage (VDC2) [V]		
PIV			16	FrLmEn	Frequency limit enabled		
AI			17	T3	T3 (condenser temperature) [°C]		
AI			18	T4	T4 (outdoor ambient temperature) [°C]		
AI			19	T5	T5 [°C]		
AI			20	T6A	T6A [°C]		
AI			21	T6B	T6B [°C]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			22	T8	T8 [°C]		
AI			23	T9	T9 [°C]		
AI			24	Tg	Tg [°C]		
AI			25	T71	T71 [°C]		
AI			26	T72	T72 [°C]		
AI			27	TL	TL [°C]		
AI			28	T7C1	ODU discharge temp 1 (T7c1) [°C]		
AI			29	T7C2	ODU discharge temp 2 (T7c2) [°C]		
AI			30	HiPrs	High pressure [MPa]		
AI			31	LoPrs	Low pressure [MPa]		
AI			32	Tc	High pressure saturation temp (Tc) [°C]		
AI			33	Te	Te [°C]		
AI			34	TDSH	Discharge superheat degree (TDSH) [°C]		
IV			35	VAC	AC voltage (VAC) [V]		
AI			36	IAC	AC current (IAC) [A]		
PIV			37	SWVer	Software main version		
PIV			38	SWSubVer	Software sub version		
PIV			39	Mdl	Model		
AI			40	HP	HP [hp]		
AI			41	HPN	HP on nameplate (Hp) [hp]		
PIV			42	CRANK1	CRANK1		
PIV			43	CRANK2	CRANK2		
PIV			44	SV4	SV4		
PIV			45	SV5	SV5		
PIV			46	SV6	SV6		
PIV			47	SV7	SV7		
PIV			48	SV8A	SV8A		
PIV			49	SV8B	SV8B		
PIV			50	ST1	ST1		
PIV			51	DecLev	Decay level		
PIV			52	BlkRt	Blockage rate		
PIV			53	BkpSt	Backup status		
PIV			54	TSDis	Top/Side discharge		
PIV			55	RefTp	Refrigerant type setting		

3.2.10.3 Midea PRO Enumerated Parameters

- Mode (Md)

Value	Description
0	OFF
1	FAN
2	COOL
3	HEAT
4	F COOL
5	M COOL
6	M HEAT
7	F HEAT

- Mode operation priority (MdOpPri)

Value	Description
0	AUTO
1	COOL
2	VIP
3	HEAT ONLY
4	COOL ONLY
5	COOL ONLY



Value	Description
6	COOL ONLY
7	COOL ONLY
8	COOL ONLY
9	COOL ONLY
10	COOL ONLY
11	COOL ONLY
12	COOL ONLY
13	COOL ONLY
14	COOL ONLY
15	COOL ONLY

- **Model (Mdl)**

Value	Description
1	Wall-mounted
2	Floor-standing
3	Cassette
4	Duct
5	Ceiling & Floor
9	Auxiliary Unit
10	Intelligent Multi System

- **Model (Mdl)**

Value	Description
0	1st Gen.IDU
1	4-WAY
2	WALL
3	M-DUCT
4	L-DUCT
5	AHU
6	H-DUCT
7	COMPACT
8	C&F
9	FS
10	FS
11	FAPU
12	1st Gen.IDU
13	HRV
14	1-WAY
15	2-WAY
16	CONSOLE
17	WATER
18	FAPU
19	FAPU
20	FAPU
21	1st Gen.IDU
22	1st Gen.IDU
23	1st Gen.IDU
24	1st Gen.IDU
25	1st Gen.IDU
26	1st Gen.IDU
27	1st Gen.IDU
28	1st Gen.IDU
29	1st Gen.IDU
30	1st Gen.IDU
31	1st Gen.IDU



3.2.11 Toshiba

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3.2.11.1 Toshiba PRO Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
PIV					01	No.NET	NO.NET
BI					02	Kind	Kind
PIV					03	Type	Type
AI					04	HP	HP [hp]
BI					05	Mode	Operation Mode
PIV					06	Capacity	Requirement Capacity [%]
BI					07	Fan	Fan Mode
PIV					08	PMV	Pulse Motor Valve
AI					09	TC1	TC1 [°C]
AI					10	TC2	TC2 [°C]
AI					11	TJ	TJ [°C]
AI					12	TA	RoomTemp(TA) [°C]
AI					13	TF	Discharge Air Temperature sensor for VN Units [°C]
PIV					14	Error	Error Code
BI					15	W Pump	W Pump
BI					16	Heater	Heater
BI					17	Valve	Valve
AI					18	TSA	Supply Air Temperature Sensor for A2A Heat Exchanger Unit [°C]
AI					19	TOA	Outdoor Air Temperature Sensor for A2A Heat Exchanger Unit [°C]

3.2.11.2 Toshiba SMMSu PRO Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			01	Mdl	Model Name		
CSV			02	SN	Serial No.		
PIV			03	Kind	Kind		
PIV			04	Type	Type		
AI			05	HP	HP [hp]		
PIV			06	CA	Central Address		
BI			07	Mode	Operation Mode		
PIV			08	ReqCap	Requirement Capacity [%]		
BI			09	Fan	Fan Mode		
PIV			10	PMV	Pulse Motor Valve		
AI			11	TC1	TC1 [°C]		
AI			12	TC2	TC2 [°C]		
AI			13	TCj	TCj [°C]		
AI			14	TA	RoomTemp(TA) [°C]		
AI			15	TF	Discharge Air Temperature sensor for VN Units [°C]		
PIV			16	NtcCd	Notice Code		
AI			17	TSA	Supply Air Temperature Sensor for A2A Heat Exchanger Unit [°C]		
AI			18	TOA	Outdoor Air Temperature Sensor for A2A Heat Exchanger Unit [°C]		
AI			19	CtrlT	Room Temp Control [°C]		
BI			20	FrzPrCtrl	Freeze prevention Control		



3.2.11.3 Toshiba PRO Outdoor Units

• SMMS Header

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					StPri	Starting Priority
PIV	02					HP	Outdoor Unit HP
AI	03					Comp(1)	Comp(1) Hz [Hz]
AI	04					Comp(2)	Comp(2) Hz [Hz]
IV	05					FanMode	Outdoor Unit FanMode
BI	06					4wayVlv	4way Valve
AI	07					Pd[psi]	Pd:High Pressure [PSI]
AI	08					Ps[psi]	Ps:Low Pressure [PSI]
AI	09					TD1	TD1 Discharge Temp [°C]
AI	10					TD2	TD2 Discharge Temp [°C]
AI	11					TE	TE:Heat Exchanger Temp [°C]
AI	12					TL	TL:Liquid Pipe Temp [°C]
AI	13					TG	TG:High Pressure Temp [°C]
AI	14					TS	TS Suction Temp [°C]
AI	15					TU	TU Low Pressure Temp [°C]
AI	16					TO	TO Outdoor Air Temp [°C]
AI	17					TK1	TK1:Oil Temp1 [°C]
AI	18					TK2	TK2:Oil Temp2 [°C]
AI	19					TK3	TK3:Oil Temp3 [°C]
AI	20					TK4	TK4:Oil Temp4 [°C]
PIV	21					CheckCd1	Check Code1
PIV	22					CheckCd2	Check Code2
PIV	23					OilLvCk1	Oil Level Check1
PIV	24					OilLvCk2	Oil Level Check2
BI	25					CompBUp1	Comp BackUp1
BI	26					CompBUp2	Comp BackUp2
AI	27					I1	I1 [A]
AI	28					I2	I2 [A]
IV	29					PMV1+2	Pulse Motor Valve1+2
BI	30					SV2	SV2:Hot Gas Bypass
BI	31					SV5	SV5 ON/OFF
BI	32					SV3A	SV3A:Oil Supply ON/OFF
BI	33					SV3B	SV3B:Oil Return ON/OFF
BI	34					SV3C	SV3C:Gas Pressure ON/OFF
BI	35					SV3D	SV3D:Separator Open
BI	36					SV3E	SV3E:Oil Balance ON/OFF
BI	37					SV41	SV41:Comp Start Assist
BI	38					SV42	SV42:Comp Start Assist

• SMMS Follower

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					HP	Outdoor Unit HP
IV	02					StPri	Starting Priority
AI	03					Comp(1)	Comp(1) Hz [Hz]
AI	04					Comp(2)	Comp(2) Hz [Hz]
IV	05					FanMode	Outdoor Unit FanMode
BI	06					4wayVlv	4way Valve
AI	07					Pd[psi]	Pd:High Pressure [PSI]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI			08	Ps[psi]	Ps:Low Pressure [PSI]		
AI			09	TD1	TD1 Discharge Temp [°C]		
AI			10	TD2	TD2 Discharge Temp [°C]		
AI			11	TE	TE:Heat Exchanger Temp [°C]		
AI			12	TL	TL:Liquid Pipe Temp [°C]		
AI			13	TS	TS Suction Temp [°C]		
AI			14	TU	TU Low Pressure Temp [°C]		
AI			15	TK1	TK1:Oil Temp1 [°C]		
AI			16	TK2	TK2:Oil Temp2 [°C]		
AI			17	TK3	TK3:Oil Temp3 [°C]		
AI			18	TK4	TK4:Oil Temp4 [°C]		
BI			19	OilLvCk1	Oil Level Check1		
BI			20	OilLvCk2	Oil Level Check2		
PIV			21	I1	Follower I1 [A]		
PIV			22	I2	Follower I2 [A]		
IV			23	PMV1+2	Pulse Motor Valve1+2		
BI			24	SV2	SV2:Hot Gas Bypass		
BI			25	SV5	SV5 ON/OFF		
BI			26	SV3A	SV3A:Oil Supply ON/OFF		
BI			27	SV3B	SV3B:Oil Return ON/OFF		
BI			28	SV3C	SV3C:Gas Pressure ON/OFF		
BI			29	SV3D	SV3D:Separator Open		
BI			30	SV3E	SV3E:Oil Balance ON/OFF		
BI			31	SV41	SV41:Comp Start Assist		
BI			32	SV42	SV42:Comp Start Assist		

• SMMSe Header

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	StPri	Starting Priority		
PIV			02	HP	Outdoor Unit HP		
AI			03	Comp(1)	Comp(1) Hz [Hz]		
AI			04	Comp(2)	Comp(2) Hz [Hz]		
IV			05	FanMode	Outdoor Unit FanMode		
BI			06	4wayVlv	4way Valve		
AI			07	Pd[psi]	Pd:High Pressure [PSI]		
AI			08	Ps[psi]	Ps:Low Pressure [PSI]		
AI			09	TD1	TD1 Discharge Temp [°C]		
AI			10	TD2	TD2 Discharge Temp [°C]		
AI			11	TE1	TE1:Heat Exchanger Temp [°C]		
AI			12	TE2	TE2:Heat Exchanger Temp [°C]		
AI			13	TL1	TL1:Liquid Pipe Temp [°C]		
AI			14	TL2	TL2:Liquid Pipe Temp [°C]		
AI			15	TL3	TL3:Liquid Pipe Temp [°C]		
AI			16	TS1	TS1:Suction Temp [°C]		
AI			17	TS3	TS3:Suction Temp [°C]		
AI			18	TG1	TG1:Gas.Temp [°C]		
AI			19	TG2	TG2:Gas.Temp [°C]		
AI			20	TG	TG:High Pressure Temp [°C]		
AI			21	TU	TU Low Pressure Temp [°C]		
AI			22	TO	TO Outdoor Air Temp [°C]		
AI			23	TK1	TK1:Oil Temp1 [°C]		
AI			24	TK2	TK2:Oil Temp2 [°C]		
AI			25	TK4	TK4:Oil Temp4 [°C]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
AI			26			TK5	TK5:Oil Temp5 [°C]
AI			27			TH1	TH1:Comp1 IGBT Temp [°C]
AI			28			TH2	TH2:Comp2 IGBT Temp [°C]
AI			29			THF1	THF1:Fan Motor1 IGBT Temp [°C]
AI			30			THF2	THF2:Fan Motor1 IGBT Temp [°C]
PIV			31			CheckCd1	Check Code1
PIV			32			CheckCd2	Check Code2
PIV			33			OilLvCk1	Oil Level Check1
PIV			34			OilLvCk2	Oil Level Check2
BI			35			CompBUp1	Comp BackUp1
BI			36			CompBUp2	Comp BackUp2
AI			37			I1	I1 [A]
AI			38			I2	I2 [A]
IV			39			PMV1	Pulse Motor Valve1 [pls]
IV			40			PMV3	Pulse Motor Valve3 [pls]
IV			41			PMV4	Pulse Motor Valve4 [pls]
BI			42			SV2	SV2:Hot Gas Bypass
BI			43			SV3A	SV3A:Oil Supply ON/OFF
BI			44			SV3B	SV3B:Oil Return ON/OFF
BI			45			SV3C	SV3C:Gas Pressure ON/OFF
BI			46			SV3D	SV3D:Separator Open
BI			47			SV3E	SV3E:Oil Balance ON/OFF
BI			48			SV41	SV41:Comp Start Assist
BI			49			SV42	SV42:Comp Start Assist
BI			50			AccHeat	Accumulator Heater
BI			51			Co1Heat	Comp1 Heater
BI			52			Co2Heat	Comp2 Heater
BI			53			SV51	SV51
BI			54			SV52	SV52
BI			55			CFoStop1	Comp Forced Stop1
BI			56			CFoStop2	Comp Forced Stop2

• SMMSe Follower

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	HP	Outdoor Unit HP	
IV				02	StPri	Starting Priority	
AI				03	Comp(1)	Comp(1) Hz [Hz]	
AI				04	Comp(2)	Comp(2) Hz [Hz]	
IV				05	FanMode	Outdoor Unit FanMode	
BI				06	4wayVlv	4way Valve	
AI				07	Pd[psi]	Pd:High Pressure [PSI]	
AI				08	Ps[psi]	Ps:Low Pressure [PSI]	
AI				09	TD1	TD1 Discharge Temp [°C]	
AI				10	TD2	TD2 Discharge Temp [°C]	
AI				11	TE1	TE1:Heat Exchanger Temp [°C]	
AI				12	TE2	TE2:Heat Exchanger Temp [°C]	
AI				13	TL1	TL1:Liquid Pipe Temp [°C]	
AI				14	TL2	TL2:Liquid Pipe Temp [°C]	
AI				15	TL3	TL3:Liquid Pipe Temp [°C]	
AI				16	TS1	TS1:Suction Temp [°C]	
AI				17	TS3	TS3:Suction Temp [°C]	
AI				18	TG1	TG1:Gas.Temp [°C]	
AI				19	TG2	TG2:Gas.Temp [°C]	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
AI			20			TU	TU Low Pressure Temp [°C]
AI			21			TO	TO Outdoor Air Temp [°C]
AI			22			TK1	TK1:Oil Temp1 [°C]
AI			23			TK2	TK2:Oil Temp2 [°C]
AI			24			TK4	TK4:Oil Temp4 [°C]
AI			25			TK5	TK5:Oil Temp5 [°C]
BI			26			OilLvCk1	Oil Level Check1
BI			27			OilLvCk2	Oil Level Check2
AI			28			I1	I1 [A]
AI			29			I2	I2 [A]
IV			30			PMV1	Pulse Motor Valve1 [pls]
IV			31			PMV3	Pulse Motor Valve3 [pls]
IV			32			PMV4	Pulse Motor Valve4 [pls]
BI			33			SV2	SV2:Hot Gas Bypass
BI			34			SV3A	SV3A:Oil Supply ON/OFF
BI			35			SV3B	SV3B:Oil Return ON/OFF
BI			36			SV3C	SV3C:Gas Pressure ON/OFF
BI			37			SV3D	SV3D:Separator Open
BI			38			SV3E	SV3E:Oil Balance ON/OFF
BI			39			SV41	SV41:Comp Start Assist
BI			40			SV42	SV42:Comp Start Assist
BI			41			AccHeat	Accumulator Heater
BI			42			Co1Heat	Comp1 Heater
BI			43			Co2Heat	Comp2 Heater
BI			44			SV51	SV51
BI			45			SV52	SV52
BI			46			CFoStop1	Comp Forced Stop1
BI			47			CFoStop2	Comp Forced Stop2
BI			48			CompBUp1	Comp BackUp1
BI			49			CompBUp2	Comp BackUp2

• SMMS-Mini

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		Index				
	VA						
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	HP		Outdoor Unit HP	
AI			02	Comp(1)		Comp(1) Hz [Hz]	
IV			03	FanMode		Outdoor Unit FanMode	
BI			04	4wayVlv		4way Valve	
AI			05	Pd[psi]		Pd:High Pressure [PSI]	
AI			06	Ps[psi]		Ps:Low Pressure [PSI]	
AI			07	TD1		TD1 Discharge Temp [°C]	
AI			08	TE		TE:Heat Exchanger Temp [°C]	
AI			09	TL		TL:Liquid Pipe Temp [°C]	
AI			10	TG		TG:High Pressure Temp [°C]	
AI			11	TS		TS Suction Temp [°C]	
AI			12	TU		TU Low Pressure Temp [°C]	
AI			13	TO		TO Outdoor Air Temp [°C]	
PIV			14	CheckCd1		Check Code1	
PIV			15	CheckCd2		Check Code2	
AI			16	MCUver		MCU Version	
AI			17	I1		I1 [A]	
IV			18	PMV1		Pulse Motor Valve1 [pls]	
BI			19	SV2		SV2:Hot Gas Bypass	
BI			20	SV3A		SV3A:Oil Supply ON/OFF	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			21			SV5	SV5 ON/OFF
BI			22			SV4	SV4 Comp Start Assist
AI			23			TH	TH Heat Sink Temperature [°C]
AI			24			TL3	TL3:Liquid Pipe Temp [°C]
AI			25			TS3	TS3:Suction Temp [°C]
AI			26			TK1	TK1:Oil Temp1 [°C]
IV			27			PMV4	Pulse Motor Valve4 [pls]

• SHRMe

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			Index			
	VA						
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	StPri	Starting Priority	
PIV				02	HP	Outdoor Unit HP	
AI				03	Comp(1)	Comp(1) Hz [Hz]	
AI				04	Comp(2)	Comp(2) Hz [Hz]	
IV				05	FanMode	Outdoor Unit FanMode	
BI				06	4wayVlv	4way Valve	
AI				07	Pd[psi]	Pd:High Pressure [PSI]	
AI				08	Ps[psi]	Ps:Low Pressure [PSI]	
AI				09	TD1	TD1 Discharge Temp [°C]	
AI				10	TD2	TD2 Discharge Temp [°C]	
AI				11	TE1	TE1:Heat Exchanger Temp [°C]	
AI				12	TE2	TE2:Heat Exchanger Temp [°C]	
AI				13	TL1	TL1:Liquid Pipe Temp [°C]	
AI				14	TS1	TS1:Suction Temp [°C]	
AI				15	TS2	TS2:Suction Temp [°C]	
AI				16	TG	TG:High Pressure Temp [°C]	
AI				17	TU	TU Low Pressure Temp [°C]	
AI				18	TO	TO Outdoor Air Temp [°C]	
AI				19	InvCurRI	INV Current Release * [A]	
AI				20	TK1	TK1:Oil Temp1 [°C]	
AI				21	TK2	TK2:Oil Temp2 [°C]	
AI				22	TK4	TK4:Oil Temp4 [°C]	
AI				23	TK5	TK5:Oil Temp5 [°C]	
AI				24	TH1	TH1:Comp1 IGBT Temp [°C]	
AI				25	TH2	TH2:Comp2 IGBT Temp [°C]	
AI				26	TH3	TH3 [°C]	
PIV				27	CheckCd1	Check Code1	
PIV				28	CheckCd2	Check Code2	
PIV				29	OilLvCk1	Oil Level Check1	
PIV				30	OilLvCk2	Oil Level Check2	
BI				31	CompBUp1	Comp BackUp1	
BI				32	CompBUp2	Comp BackUp2	
AI				33	I1	I1 [A]	
AI				34	I2	I2 [A]	
AI				35	I3	I3 [A]	
IV				36	PMV1	Pulse Motor Valve1 [pls]	
IV				37	PMV3	Pulse Motor Valve3 [pls]	
IV				38	PMV4	Pulse Motor Valve4 [pls]	
BI				39	SV2	SV2:Hot Gas Bypass	
BI				40	SV3A	SV3A:Oil Supply ON/OFF	
BI				41	SV3B	SV3B:Oil Return ON/OFF	
BI				42	SV3C	SV3C:Gas Pressure ON/OFF	
BI				43	SV3D	SV3D:Separator Open	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI				44	SV3E	SV3E:Oil Balance ON/OFF	
BI				45	SV41	SV41:Comp Start Assist	
BI				46	SV42	SV42:Comp Start Assist	
BI				47	SV51	SV51	
BI				48	SV52	SV52	
BI				49	CFoStop1	Comp Forced Stop1	
BI				50	CFoStop2	Comp Forced Stop2	
BI				51	SV61	SV61	
BI				52	SV11	SV11	
BI				53	SV12	SV12	

• SHRMe

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	HP	Outdoor Unit HP	
IV				02	StPri	Starting Priority	
AI				03	Comp(1)	Comp(1) Hz [Hz]	
AI				04	Comp(2)	Comp(2) Hz [Hz]	
IV				05	FanMode	Outdoor Unit FanMode	
BI				06	4wayVlv	4way Valve	
AI				07	Pd[psi]	Pd:High Pressure [PSI]	
AI				08	Ps[psi]	Ps:Low Pressure [PSI]	
AI				09	TD1	TD1 Discharge Temp [°C]	
AI				10	TD2	TD2 Discharge Temp [°C]	
AI				11	TE1	TE1:Heat Exchanger Temp [°C]	
AI				12	TE2	TE2:Heat Exchanger Temp [°C]	
AI				13	TL1	TL1:Liquid Pipe Temp [°C]	
AI				14	TS1	TS1:Suction Temp [°C]	
AI				15	TS2	TS2:Suction Temp [°C]	
AI				16	TU	TU Low Pressure Temp [°C]	
AI				17	TO	TO Outdoor Air Temp [°C]	
AI				18	TK1	TK1:Oil Temp1 [°C]	
AI				19	TK2	TK2:Oil Temp2 [°C]	
AI				20	TK4	TK4:Oil Temp4 [°C]	
AI				21	TK5	TK5:Oil Temp5 [°C]	
BI				22	OilLvCk1	Oil Level Check1	
BI				23	OilLvCk2	Oil Level Check2	
AI				24	I1	I1 [A]	
AI				25	I2	I2 [A]	
IV				26	PMV1	Pulse Motor Valve1 [pls]	
IV				27	PMV3	Pulse Motor Valve3 [pls]	
IV				28	PMV4	Pulse Motor Valve4 [pls]	
BI				29	SV2	SV2:Hot Gas Bypass	
BI				30	SV3A	SV3A:Oil Supply ON/OFF	
BI				31	SV3B	SV3B:Oil Return ON/OFF	
BI				32	SV3C	SV3C:Gas Pressure ON/OFF	
BI				33	SV3D	SV3D:Separator Open	
BI				34	SV3E	SV3E:Oil Balance ON/OFF	
BI				35	SV41	SV41:Comp Start Assist	
BI				36	SV42	SV42:Comp Start Assist	
BI				37	SV51	SV51	
BI				38	SV52	SV52	
BI				39	SV61	SV61	
BI				40	SV11	SV11	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI				41		SV12	SV12
BI				42		SV14	SV14
BI				43		SV15	SV15
BI				44		CFoStop1	Comp Forced Stop1
BI				45		CFoStop2	Comp Forced Stop2
BI				46		CompBUp1	Comp BackUp1
BI				47		CompBUp2	Comp BackUp2

• SMMSi

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	StPri	Starting Priority	
PIV				02	HP	Outdoor Unit HP	
AI				03	Comp(1)	Comp(1) Hz [Hz]	
AI				04	Comp(2)	Comp(2) Hz [Hz]	
AI				05	Comp(3)	Comp(3) Hz [Hz]	
IV				06	FanMode	Outdoor Unit FanMode	
BI				07	4wayVlv	4way Valve	
AI				08	Pd[psi]	Pd:High Pressure [PSI]	
AI				09	Ps[psi]	Ps:Low Pressure [PSI]	
AI				10	TD1	TD1 Discharge Temp [°C]	
AI				11	TD2	TD2 Discharge Temp [°C]	
AI				12	TD3	TD3 Discharge Temp [°C]	
AI				13	TE1	TE1:Heat Exchanger Temp [°C]	
AI				14	TE2	TE2:Heat Exchanger Temp [°C]	
AI				15	TL	TL:Liquid Pipe Temp [°C]	
AI				16	TS	TS Suction Temp [°C]	
AI				17	TU	TU Low Pressure Temp [°C]	
AI				18	TG	TG:High Pressure Temp [°C]	
AI				19	TO	TO Outdoor Air Temp [°C]	
AI				20	TK1	TK1:Oil Temp1 [°C]	
AI				21	TK2	TK2:Oil Temp2 [°C]	
AI				22	TK3	TK3:Oil Temp3 [°C]	
AI				23	TK4	TK4:Oil Temp4 [°C]	
AI				24	TK5	TK5:Oil Temp5 [°C]	
AI				25	TH1	TH1:Comp1 IGBT Temp [°C]	
AI				26	TH2	TH2:Comp2 IGBT Temp [°C]	
PIV				27	CheckCd1	Check Code1	
PIV				28	CheckCd2	Check Code2	
PIV				29	OilLvCk1	Oil Level Check1	
PIV				30	OilLvCk2	Oil Level Check2	
PIV				31	OilLvCk3	Oil Level Check [xx][xx][OK] (byte)	
BI				32	CFoStop1	Comp Forced Stop1	
BI				33	CFoStop2	Comp Forced Stop2	
BI				34	CFoStop3	Comp Forced Stop3	
BI				35	CompBUp1	Comp BackUp1	
BI				36	CompBUp2	Comp BackUp2	
BI				37	CompBUp3	Comp BackUp3 [xx][xx][ON]	
AI				38	I1	I1 [A]	
AI				39	I2	I2 [A]	
AI				40	I3	I3 x 100 [A]	
IV				41	PMV1	Pulse Motor Valve1 [pls]	
IV				42	PMV4	Pulse Motor Valve4 [pls]	
BI				43	SV2	SV2:Hot Gas Bynass	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
BI	44					SV3A	SV3A:Oil Supply ON/OFF
BI	45					SV3B	SV3B:Oil Return ON/OFF
BI	46					SV3C	SV3C:Gas Pressure ON/OFF
BI	47					SV3D	SV3D:Separator Open
BI	48					SV3E	SV3E:Oil Balance ON/OFF
BI	49					SV41	SV41:Comp Start Assist
BI	50					SV42	SV42:Comp Start Assist
BI	51					SV43	SV43:Comp Start Assist
BI	52					SV61	SV61

• SMMSi

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00	Type		Outdoor Unit Type Name	
PIV			01	HP		Outdoor Unit HP	
IV			02	StPri		Starting Priority	
AI			03	Comp(1)		Comp(1) Hz [Hz]	
AI			04	Comp(2)		Comp(2) Hz [Hz]	
IV			05	FanMode		Outdoor Unit FanMode	
BI			06	4wayVlv		4way Valve	
AI			07	Pd[psi]		Pd:High Pressure [PSI]	
AI			08	Ps[psi]		Ps:Low Pressure [PSI]	
AI			09	TD1		TD1 Discharge Temp [°C]	
AI			10	TD2		TD2 Discharge Temp [°C]	
AI			11	TE1		TE1:Heat Exchanger Temp [°C]	
AI			12	TL1		TL1:Liquid Pipe Temp [°C]	
AI			13	TS1		TS1:Suction Temp [°C]	
AI			14	TU		TU Low Pressure Temp [°C]	
AI			15	TK1		TK1:Oil Temp1 [°C]	
AI			16	TK2		TK2:Oil Temp2 [°C]	
AI			17	TK3		TK3:Oil Temp3 [°C]	
AI			18	TK4		TK4:Oil Temp4 [°C]	
AI			19	TK5		TK5:Oil Temp5 [°C]	
BI			20	OilLvCk1		Oil Level Check1	
BI			21	OilLvCk2		Oil Level Check2	
AI			22	I1		I1 [A]	
AI			23	I2		I2 [A]	
IV			24	PMV1		Pulse Motor Valve1 [pls]	
BI			25	SV2		SV2:Hot Gas Bypass	
BI			26	SV3A		SV3A:Oil Supply ON/OFF	
BI			27	SV3B		SV3B:Oil Return ON/OFF	
BI			28	SV3C		SV3C:Gas Pressure ON/OFF	
BI			29	SV3D		SV3D:Separator Open	
BI			30	SV3E		SV3E:Oil Balance ON/OFF	
BI			31	SV3F		SV3F:Oil Balance ON/OFF	
BI			32	SV41		SV41:Comp Start Assist	
BI			33	SV42		SV42:Comp Start Assist	
BI			34	SV43		SV43:Comp Start Assist	
BI			35	SV51		SV51	
BI			36	SV61		SV61	
BI			37	CFoStop1		Comp Forced Stop1	
BI			38	CFoStop2		Comp Forced Stop2	
BI			39	CompBUp1		Comp BackUp1	
BI			40	CompBUp2		Comp BackUp2	



• SMMSu

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor Unit Type Name		
PIV			01	StPri	Starting Priority		
PIV			02	HP	Outdoor Unit HP		
AI			03	Comp(1)	Comp(1) Hz [Hz]		
AI			04	Comp(2)	Comp(2) Hz [Hz]		
IV			05	FanMode	Outdoor Unit FanMode		
BI			06	4wayVlv	4way Valve		
BI			07	CompBUp1	Comp BackUp1		
BI			08	CompBUp2	Comp BackUp2		
BI			09	SV3D	SV3D:Separator Open		
BI			10	SV41	SV41:Comp Start Assist		
BI			11	SV42	SV42:Comp Start Assist		
AI			12	Pd[psi]	Pd:High Pressure [PSI]		
AI			13	Ps[psi]	Ps:Low Pressure [PSI]		
AI			14	TD1	TD1 Discharge Temp [°C]		
AI			15	TD2	TD2 Discharge Temp [°C]		
AI			16	TE1	TE1:Heat Exchanger Temp [°C]		
AI			17	TE2	TE2:Heat Exchanger Temp [°C]		
AI			18	TE3	TE3 [°C]		
AI			19	TL1	TL1:Liquid Pipe Temp [°C]		
AI			20	TL2	TL2:Liquid Pipe Temp [°C]		
AI			21	TL3	TL3:Liquid Pipe Temp [°C]		
AI			22	TG	TG:High Pressure Temp [°C]		
AI			23	TG1	TG1:Gas.Temp [°C]		
AI			24	TG2	TG2:Gas.Temp [°C]		
AI			25	TG3	TG3 [°C]		
AI			26	TS1	TS1:Suction Temp [°C]		
AI			27	TS3	TS3:Suction Temp [°C]		
AI			28	TU	TU Low Pressure Temp [°C]		
AI			29	TO	TO Outdoor Air Temp [°C]		
AI			30	TK1	TK1:Oil Temp1 [°C]		
AI			31	TK2	TK2:Oil Temp2 [°C]		
CSV			32	ChkCd	Check code		
CSV			33	PreChkCd	Pre-Check code		
AI			34	I1	I1 [A]		
AI			35	I2	I2 [A]		
IV			36	PMV1	Pulse Motor Valve1 [pls]		
IV			37	PMV2	Pulse Motor Valve2 [pls]		
IV			38	PMV3	Pulse Motor Valve3 [pls]		
IV			39	PMV4	Pulse Motor Valve4 [pls]		
IV			40	StopKeep	Stop Keep Timer		
AI			41	THF1	THF1:Fan Motor1 IGBT Temp [°C]		
AI			42	THF2	THF2:Fan Motor1 IGBT Temp [°C]		
AI			43	TH1	TH1:Comp1 IGBT Temp [°C]		
AI			44	TH2	TH2:Comp2 IGBT Temp [°C]		
BI			45	AccHeat	Accumulator Heater		
BI			46	Co1Heat	Comp1 Heater		
BI			47	Co2Heat	Comp2 Heater		
BI			48	CFoStop1	Comp Forced Stop1		
BI			49	CFoStop2	Comp Forced Stop2		
BI			50	SV5B	SV5B		
PIV			51	DfrstGr	Defrost Gr		
BI			52	SV3F	SV3F		
PIV			53	NtcCd1	Notice Code1		
PIV			54	NtcCd2	Notice Code2		
PIV			55	NtcCd3	Notice Code3		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
PIV	56					NtcCd4	Notice Code4
PIV	57					NtcCd5	Notice Code5
AI	58					PwrOnTm	Power ON Time [hr]

• SMMSu

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV	00					Type	Outdoor Unit Type Name
PIV	01					StPri	Starting Priority
AI	02					HP	Outdoor Unit HP
AI	03					Comp(1)	Comp(1) Hz [Hz]
PIV	04					Comp(2)	Comp(2) Hz [Hz]
IV	05					FanMode	Outdoor Unit FanMode
BI	06					4wayVlv	4way Valve
AI	07					CompBUp1	Comp BackUp1
AI	08					CompBUp2	Comp BackUp2
AI	09					SV3D	SV3D:Separator Open
AI	10					SV41	SV41:Comp Start Assist
PIV	11					SV42	SV42:Comp Start Assist
IV	12					Pd[psi]	Pd:High Pressure [PSI]
BI	13					Ps[psi]	Ps:Low Pressure [PSI]
BI	14					TD1	TD1 Discharge Temp [°C]
BI	15					TD2	TD2 Discharge Temp [°C]
BI	16					TE1	TE1:Heat Exchanger Temp [°C]
BI	17					TE2	TE2:Heat Exchanger Temp [°C]
BI	18					TE3	TE3 [°C]
IV	19					TL1	TL1:Liquid Pipe Temp [°C]
BI	20					TL2	TL2:Liquid Pipe Temp [°C]
BI	21					TL3	TL3:Liquid Pipe Temp [°C]
PIV	22					TG1	TG1:Gas.Temp [°C]
PIV	23					TG2	TG2:Gas.Temp [°C]
PIV	24					TG3	TG3 [°C]
PIV	25					TS1	TS1:Suction Temp [°C]
AI	26					TS3	TS3:Suction Temp [°C]
AI	27					TU	TU Low Pressure Temp [°C]
AI	28					TO	TO Outdoor Air Temp [°C]
AI	29					TK1	TK1:Oil Temp1 [°C]
AI	30					TK2	TK2:Oil Temp2 [°C]
AI	31					ChkCd	Check code
AI	32					PreChkCd	Pre-Check code
AI	33					I1	I1 [A]
AI	34					I2	I2 [A]
AI	35					PMV1	Pulse Motor Valve1 [pls]
PIV	36					PMV2	Pulse Motor Valve2 [pls]
PIV	37					PMV3	Pulse Motor Valve3 [pls]
PIV	38					PMV4	Pulse Motor Valve4 [pls]
PIV	39					AccHeat	Accumulator Heater
BI	40					Co1Heat	Comp1 Heater
BI	41					Co2Heat	Comp2 Heater
AI	42					CFoStop1	Comp Forced Stop1
AI	43					CFoStop2	Comp Forced Stop2
IV	44					SV5B	SV5B
BI	45					DfrstGr	Defrost Gr
BI	46					SV3F	SV3F
BI	47					NtrCd1	Notice Code1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA		Index				
BI	48				NtcCd2	Notice Code2	
BI	49				NtcCd3	Notice Code3	
BI	50				NtcCd4	Notice Code4	
BI	51				NtcCd5	Notice Code5	

• SHRMu

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	StPri	Starting Priority	
PIV				02	HP	Outdoor Unit HP	
AI				03	Comp(1)	Comp(1) Hz [Hz]	
AI				04	Comp(2)	Comp(2) Hz [Hz]	
IV				05	FanMode	Outdoor Unit FanMode	
PIV				06	Fan1	Fan1	
PIV				07	Fan2	Fan2	
BI				08	CompBUp1	Comp BackUp1	
BI				09	CompBUp2	Comp BackUp2	
BI				10	SV2	SV2:Hot Gas Bypass	
BI				11	SV3D	SV3D:Separator Open	
BI				12	SV41	SV41:Comp Start Assist	
BI				13	SV42	SV42:Comp Start Assist	
AI				14	Pd[psi]	Pd:High Pressure [PSI]	
AI				15	Ps[psi]	Ps:Low Pressure [PSI]	
AI				16	TD1	TD1 Discharge Temp [°C]	
AI				17	TD2	TD2 Discharge Temp [°C]	
AI				18	TE1	TE1:Heat Exchanger Temp [°C]	
AI				19	TE2	TE2:Heat Exchanger Temp [°C]	
AI				20	TE3	TE3 [°C]	
AI				21	TL1	TL1:Liquid Pipe Temp [°C]	
AI				22	TL2	TL2:Liquid Pipe Temp [°C]	
AI				23	TL3	TL3:Liquid Pipe Temp [°C]	
AI				24	TG	TG:High Pressure Temp [°C]	
AI				25	TG1	TG1:Gas.Temp [°C]	
AI				26	TG2	TG2:Gas.Temp [°C]	
AI				27	TG3	TG3 [°C]	
AI				28	TS1	TS1:Suction Temp [°C]	
AI				29	TS2	TS2:Suction Temp [°C]	
AI				30	TS3	TS3:Suction Temp [°C]	
AI				31	TU	TU Low Pressure Temp [°C]	
AI				32	TO	TO Outdoor Air Temp [°C]	
AI				33	TK1	TK1:Oil Temp1 [°C]	
AI				34	TK2	TK2:Oil Temp2 [°C]	
CSV				35	ChkCd	Check code	
CSV				36	PreChkCd	Pre-Check code	
AI				37	I1	I1 [A]	
AI				38	I2	I2 [A]	
IV				39	PMV1	Pulse Motor Valve1 [pls]	
IV				40	PMV2	Pulse Motor Valve2 [pls]	
IV				41	PMV3	Pulse Motor Valve3 [pls]	
IV				42	PMV4	Pulse Motor Valve4 [pls]	
IV				43	StopKeep	Stop Keep Timer	
AI				44	THF1	THF1:Fan Motor1 IGBT Temp [°C]	
AI				45	THF2	THF2:Fan Motor1 IGBT Temp [°C]	
AI				46	TH1	TH1:Comp1 IGBT Temp [°C]	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI			47	TH2	TH2:Comp2 IGBT Temp [°C]		
BI			48	AccHeat	Accumulator Heater		
BI			49	Co1Heat	Comp1 Heater		
BI			50	Co2Heat	Comp2 Heater		
BI			51	CFoStop1	Comp Forced Stop1		
BI			52	CFoStop2	Comp Forced Stop2		
BI			53	SV5B	SV5B		
PIV			54	DfrstGr	Defrost Gr		
BI			55	SV3F	SV3F		
BI			56	4WV1	4WV1		
BI			57	4WV2	4WV2		
BI			58	4WV3	4WV3		
PIV			59	NtcCd1	Notice Code1		
PIV			60	NtcCd2	Notice Code2		
PIV			61	NtcCd3	Notice Code3		
PIV			62	NtcCd4	Notice Code4		
PIV			63	NtcCd5	Notice Code5		
AI			64	PwrOnTm	Power ON Time [hr]		
PIV			65	Comp2Prst	Comp2Prst		

• SHRMu

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance		VA	Index			
CSV				00	Type	Outdoor Unit Type Name	
PIV				01	StPri	Starting Priority	
AI				02	HP	Outdoor Unit HP	
AI				03	Comp(1)	Comp(1) Hz [Hz]	
PIV				04	Comp(2)	Comp(2) Hz [Hz]	
IV				05	FanMode	Outdoor Unit FanMode	
AI				06	CompBUp1	Comp BackUp1	
AI				07	CompBUp2	Comp BackUp2	
IV				08	SV2	SV2:Hot Gas Bypass	
AI				09	SV3D	SV3D:Separator Open	
AI				10	SV41	SV41:Comp Start Assist	
PIV				11	SV42	SV42:Comp Start Assist	
IV				12	Pd[psi]	Pd:High Pressure [PSI]	
BI				13	Ps[psi]	Ps:Low Pressure [PSI]	
BI				14	TD1	TD1 Discharge Temp [°C]	
BI				15	TD2	TD2 Discharge Temp [°C]	
BI				16	TE1	TE1:Heat Exchanger Temp [°C]	
BI				17	TE2	TE2:Heat Exchanger Temp [°C]	
BI				18	TE3	TE3 [°C]	
IV				19	TL1	TL1:Liquid Pipe Temp [°C]	
BI				20	TL2	TL2:Liquid Pipe Temp [°C]	
BI				21	TL3	TL3:Liquid Pipe Temp [°C]	
PIV				22	TG1	TG1:Gas.Temp [°C]	
PIV				23	TG2	TG2:Gas.Temp [°C]	
PIV				24	TG3	TG3 [°C]	
PIV				25	TS1	TS1:Suction Temp [°C]	
AI				26	TS2	TS2:Suction Temp [°C]	
AI				27	TS3	TS3:Suction Temp [°C]	
AI				28	TU	TU Low Pressure Temp [°C]	
AI				29	TO	TO Outdoor Air Temp [°C]	
AI				30	TK1	TK1:Oil Temp1 [°C]	
AI				31	TK2	TK2:Oil Temp2 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI			32	ChkCd	Check code		
AI			33	PreChkCd	Pre-Check code		
AI			34	I1	I1 [A]		
AI			35	I2	I2 [A]		
AI			36	PMV1	Pulse Motor Valve1 [pls]		
PIV			37	PMV2	Pulse Motor Valve2 [pls]		
PIV			38	PMV3	Pulse Motor Valve3 [pls]		
PIV			39	PMV4	Pulse Motor Valve4 [pls]		
PIV			40	AccHeat	Accumulator Heater		
BI			41	Co1Heat	Comp1 Heater		
BI			42	Co2Heat	Comp2 Heater		
AI			43	CFoStop1	Comp Forced Stop1		
AI			44	CFoStop2	Comp Forced Stop2		
IV			45	SV5B	SV5B		
BI			46	DfrstGr	Defrost Gr		
BI			47	SV3F	SV3F		
BI			48	4WV1	4WV1		
BI			49	4WV2	4WV2		
PIV			50	4WV3	4WV3		
BI			51	NtcCd1	Notice Code1		
BI			52	NtcCd2	Notice Code2		
BI			53	NtcCd3	Notice Code3		
BI			54	NtcCd4	Notice Code4		
BI			55	NtcCd5	Notice Code5		
AI			56	Comp2Prst	Comp2Prst		

3.2.11.4 Toshiba PRO Outdoor Systems

- SMMS

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				00	Type	Outdoor System Type Name	
PIV				01	LineAddr	Line Address	
IV				02	CapCtrl	Capacity Control [%]	
BI				03	OilRecC	Oil Recovery(Cool)	
BI				04	OilRecH	Oil Recovery(Heat)	
BI				05	CStart	Cooling Start	
BI				06	HStart	Heating Start	
BI				07	Defrost	Defrost	
BI				08	OilEqCt	Oil Equalizing Control	
IV				09	Demand	Demand [%]	
BI				10	SndRedCt	Sound Reduction Control	
BI				11	SnowFnCt	Snowfall Fan Control	
PIV				12	StopKeep	Stop Keep Timer	
PIV				13	OnStrtHH	On Time From Start [hh] [hr]	
PIV				14	OnStrtMM	On Time From Start [mm] [min]	
PIV				15	TotalCon	Indoor Total Connect	
BI				16	DownCtrl	Capacity Down Control	
BI				17	UpCtrl	Capacity Up Control *	
BI				18	StartCtr	Start Control	
BI				19	HiPrsRel	High Pressure Release	
BI				20	LoPrsRel	Low Pressure Release	
BI				21	OilProt	Oil Dilution Protect	
PIV				22	InvCurRl	INV Current Release * [A]	



• SMMSe, SHRMe

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV			00	Type	Outdoor System Type Name		
PIV			01	LineAddr	Line Address		
IV			02	CapCtrl	Capacity Control [%]		
BI			03	OilRecC	Oil Recovery(Cool)		
BI			04	OilRecH	Oil Recovery(Heat)		
BI			05	CStart	Cooling Start		
BI			06	HStart	Heating Start		
BI			07	Defrost	Defrost		
BI			08	OilEqCt	Oil Equalizing Control		
BI			09	SndRedCt	Sound Reduction Control		
BI			10	SnowFnCt	Snowfall Fan Control		
BI			11	DownCtrl	Capacity Down Control		
BI			12	UpCtrl	Capacity Up Control *		
BI			13	OCapCtrl	Odu Capacity Ctrl		
PIV			14	StopKeep	Stop Keep Timer		
PIV			15	OnStrtHH	On Time From Start [hh] [hr]		
PIV			16	OnStrtMM	On Time From Start [mm] [min]		
PIV			17	OnStrtSS	On Time From Start [ss]		
PIV			18	TotalCon	Indoor Total Connect		
AI			19	InvCurRI	INV Current Release * [A]		
BI			20	HiPrsRel	High Pressure Release		
BI			21	DschTRel	Discharge Temp Release		
BI			22	CoolStop	Cool Stop(amb temp low)		
BI			23	HeatStop	Heat Stop(amb temp hi)		
BI			24	SV2Start	SV2 Start Control		
BI			25	SV2HPRel	SV2 High Pressure Release		
BI			26	SV2LPRel	SV2 Low Pressure Release		
BI			27	SV2OilPr	SV2 Oil Dilution Protect		
IV			28	TotCtStp	Odu Capacity Tot.Ctrl(step)		
IV			29	Demand	Demand [%]		

• SMMS-Mini

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV			00	Type	Outdoor System Type Name		
PIV			01	LineAddr	Line Address		
IV			02	CapCtrl	Capacity Control [%]		
BI			03	OilRecC	Oil Recovery(Cool)		
BI			04	OilRecH	Oil Recovery(Heat)		
BI			05	CStart	Cooling Start		
BI			06	HStart	Heating Start		
BI			07	Defrost	Defrost		
BI			08	OilEqCt	Oil Equalizing Control		
BI			09	SnowFnCt	Snowfall Fan Control		
BI			10	DownCtrl	Capacity Down Control		
BI			11	UpCtrl	Capacity Up Control *		
BI			12	OCapCtrl	Odu Capacity Ctrl		
IV			13	Demand	Demand [%]		
PIV			14	StopKeep	Stop Keep Timer		
PIV			15	OnStrtHH	On Time From Start [hh] [hr]		
PIV			16	OnStrtMM	On Time From Start [mm] [min]		
PIV			17	TotalCon	Indoor Total Connect		
PIV			18	InvCurRI	INV Current Release * [A]		



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
BI			19			HiPrsRel	High Pressure Release
BI			20			DschTRel	Discharge Temp Release
BI			21			CoolStop	Cool Stop(amb temp low)
BI			22			HeatStop	Heat Stop(amb temp hi)
BI			23			SV2Start	SV2 Start Control
BI			24			SV2HPRel	SV2 High Pressure Release
BI			25			SV2LPRel	SV2 Low Pressure Release
BI			26			SV2OilPr	SV2 Oil Dilution Protect
BI			27			LoFanOp	Low Fan Operation
BI			28			HtSinkRel	Heat sink overheat release
IV			29			TotCtStp	Odu Capacity Tot.Ctrl(step)

• SMMSi

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV	00		Type	Outdoor System Type Name			
PIV	01		LineAddr	Line Address			
IV	02		CapCtrl	Capacity Control [%]			
BI	03		OilRecC	Oil Recovery(Cool)			
BI	04		OilRecH	Oil Recovery(Heat)			
BI	05		CStart	Cooling Start			
BI	06		HStart	Heating Start			
BI	07		Defrost	Defrost			
BI	08		OilEqCt	Oil Equalizing Control			
BI	09		SndRedCt	Sound Reduction Control			
BI	10		SnowFnCt	Snowfall Fan Control			
BI	11		DownCtrl	Capacity Down Control			
BI	12		UpCtrl	Capacity Up Control *			
BI	13		OCapCtrl	Odu Capacity Ctrl			
PIV	14		StopKeep	Stop Keep Timer			
PIV	15		OnStrtHH	On Time From Start [hh] [hr]			
PIV	16		OnStrtMM	On Time From Start [mm] [min]			
PIV	17		OnStrtSS	On Time From Start [ss]			
PIV	18		TotalCon	Indoor Total Connect			
AI	19		InvCurRI	INV Current Release * [A]			
BI	20		HiPrsRel	High Pressure Release			
BI	21		DschTRel	Discharge Temp Release			
BI	22		CoolStop	Cool Stop(amb temp low)			
BI	23		HeatStop	Heat Stop(amb temp hi)			
BI	24		SV2Start	SV2 Start Control			
BI	25		SV2HPRel	SV2 High Pressure Release			
BI	26		SV2LPRel	SV2 Low Pressure Release			
BI	27		SV2OilPr	SV2 Oil Dilution Protect			
IV	28		TotCtStp	Odu Capacity Tot.Ctrl(step)			
IV	29		Demand	Demand [%]			

• SMMSu

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
CSV			00			Type	Outdoor System Type Name
PIV			01			LineAddr	Line Address
BI			02			OilRecC	Oil Recovery(Cool)
BI			03			OilRecH	Oil Recovery(Heat)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			04	CStart	Cooling Start		
BI			05	HStart	Heating Start		
BI			06	OilEqCt	Oil Equalizing Control		
BI			07	SndRedCt	Sound Reduction Control		
BI			08	SnowFnCt	Snowfall Fan Control		
BI			09	HiPrsRel	High Pressure Release		
BI			10	DschTRel	Discharge Temp Release		
BI			11	CoolStop	Cool Stop(amb temp low)		
BI			12	HtSinkRel	Heat sink overheat release		
BI			13	StatOv	Status Over (outdoor capacity correction)		
BI			14	StatSh	Status Short (outdoor capacity correction)		
BI			15	DmndRel	Demand release		
BI			16	CommProt	Communication protocol		
BI			17	CommSpeed	Communication speed at Uv line		
BI			18	DfrstPrepHt	Defrost preparation (Heating)		
BI			19	DfrstCtrlCl	During Defrost control (Cooling)		
BI			20	DfrstFinCl	Defrost finish action (Cooling)		
IV			21	IndCapCorrFc	Indoor Unit capacity correction factor [%]		
IV			22	DmndRelRto	Demand release ratio [%]		
PIV			23	TotalCon	Indoor Total Connect		
PIV			24	TotReqCap	Total required capacity [%]		
PIV			25	SysStopKeep	System Stop keep timer		
PIV			26	IndAddrWTer	Indoor address with terminator		
IV			27	TotCtrlSt	Total Control Step		
PIV			28	SW101	SW101		
PIV			29	SW102	SW102		
PIV			30	SW103	SW103		
PIV			31	SW104	SW104		
PIV			32	SW105	SW105		
PIV			33	SW106	SW106		
BI			34	InvCurRI	INV Current Release		
PIV			35	OilLvCk1	Oil level check[1]		
PIV			36	OilLvCk2	Oil level check[2]		
PIV			37	RSW1	RSW1		
PIV			38	RSW2	RSW2		
PIV			39	RSW3	RSW3		
CSV			40	7Seg	7 segment display		
AI			41	Inv1CurCtrl	Control current INV1 [A]		
PIV			42	ProtStop	Protection Stop		
PIV			43	OnStrtHH	On Time From Start [hh] [hr]		
PIV			44	OnStrtMM	On Time From Start [mm] [min]		
PIV			45	OnStrtSS	On Time From Start [ss]		

• SHRMu

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor System Type Name
PIV				01		LineAddr	Line Address
BI				02		OilRecC	Oil Recovery(Cool)
BI				03		OilRecH	Oil Recovery(Heat)
BI				04		CStart	Cooling Start
BI				05		HStart	Heating Start
BI				06		OilEqCt	Oil Equalizing Control
BI				07		SndRedCt	Sound Reduction Control
BI				08		SnowFnCt	Snowfall Fan Control



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			09	HiPrsRel	High Pressure Release		
BI			10	DschTRel	Discharge Temp Release		
BI			11	CoolStop	Cool Stop(amb temp low)		
BI			12	HtSinkRel	Heat sink overheat release		
BI			13	StatOv	Status Over (outdoor capacity correction)		
BI			14	StatSh	Status Short (outdoor capacity correction)		
BI			15	DmndRel	Demand release		
BI			16	CommProt	Communication protocol		
BI			17	CommSpeed	Communication speed at Uv line		
BI			18	DfrstPrepHt	Defrost preparation (Heating)		
BI			19	DfrstCtrlCl	During Defrost control (Cooling)		
BI			20	DfrstFinCl	Defrost finish action (Cooling)		
IV			21	IndCapCorrFc	Indoor Unit capacity correction factor [%]		
IV			22	DmndRelRto	Demand release ratio [%]		
PIV			23	TotalCon	Indoor Total Connect		
PIV			24	TotReqCap	Total required capacity [%]		
PIV			25	SysStopKeep	System Stop keep timer		
PIV			26	IndAddrWTer	Indoor address with terminator		
IV			27	TotCtrlSt	Total Control Step		
PIV			28	SW101	SW101		
PIV			29	SW102	SW102		
PIV			30	SW103	SW103		
PIV			31	SW104	SW104		
PIV			32	SW105	SW105		
PIV			33	SW106	SW106		
BI			34	InvCurRI	INV Current Release		
PIV			35	OilLvCk1	Oil level check[1]		
PIV			36	OilLvCk2	Oil level check[2]		
PIV			37	RSW1	RSW1		
PIV			38	RSW2	RSW2		
PIV			39	RSW3	RSW3		
CSV			40	7Seq	7 segment display		
AI			41	Inv1CurCtrl	Control current INV1 [A]		
PIV			42	ProtStop	Protection Stop		
PIV			43	OnStrtHH	On Time From Start [hh] [hr]		
PIV			44	OnStrtMM	On Time From Start [mm] [min]		
PIV			45	OnStrtSS	On Time From Start [ss]		
PIV			46	NumFlwSel	Number of connect Flow Selector		

3.2.11.5 Toshiba SMMSu PRO Outdoor Units

- SMMSu

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA		Index				
CSV				00		Type	Outdoor Unit Type Name
CSV				01		Mdl	Model Name
CSV				02		SN	Serial No.
PIV				03		HP	Outdoor Unit HP
PIV				04		StPri	Starting Priority
PIV				05		DfrstGr	Defrost Gr
BI				06		OilLvCk1	Oil Level Check1
BI				07		OilLvCk2	Oil Level Check2
BI				08		CFoStop1	Comp Forced Stop1
BI				09		CFoStop2	Comp Forced Stop2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			10	CompBUp1	Comp BackUp1		
BI			11	CompBUp2	Comp BackUp2		
CSV			12	ChkCd	Check code		
PIV			13	ChkCd	ChkCd		
CSV			14	PreChkCd	Pre-Check code		
PIV			15	PreChkCd	PreChkCd		
PIV			16	NtcCd1	Notice Code1		
PIV			17	NtcCd2	Notice Code2		
PIV			18	NtcCd3	Notice Code3		
PIV			19	NtcCd4	Notice Code4		
PIV			20	NtcCd5	Notice Code5		
AI			21	Comp1	Comp(1) Hz [Hz]		
AI			22	Comp2	Comp(2) Hz [Hz]		
PIV			23	FanMode	Outdoor Unit FanMode		
AI			24	Pd[psi]	Pd:High Pressure [PSI]		
AI			25	Ps[psi]	Ps:Low Pressure [PSI]		
AI			26	TG	TG:High Pressure Temp [°C]		
AI			27	TU	TU Low Pressure Temp [°C]		
AI			28	TD1	TD1 Discharge Temp [°C]		
AI			29	TD2	TD2 Discharge Temp [°C]		
AI			30	TK1	TK1:Oil Temp1 [°C]		
AI			31	TK2	TK2:Oil Temp2 [°C]		
AI			32	TS1	TS1:Suction Temp [°C]		
AI			33	TS3	TS3:Suction Temp [°C]		
AI			34	TE1	TE1:Heat Exchanger Temp [°C]		
AI			35	TE2	TE2:Heat Exchanger Temp [°C]		
AI			36	TE3	TE3 [°C]		
AI			37	TG1	TG1:Gas.Temp [°C]		
AI			38	TG2	TG2:Gas.Temp [°C]		
AI			39	TG3	TG3 [°C]		
AI			40	TL1	TL1:Liquid Pipe Temp [°C]		
AI			41	TL2	TL2:Liquid Pipe Temp [°C]		
AI			42	TL3	TL3:Liquid Pipe Temp [°C]		
AI			43	TO	TO Outdoor Air Temp [°C]		
AI			44	TH1	TH1:Comp1 IGBT Temp [°C]		
AI			45	TH2	TH2:Comp2 IGBT Temp [°C]		
AI			46	THF1	THF1:Fan Motor1 IGBT Temp [°C]		
AI			47	THF2	THF2:Fan Motor1 IGBT Temp [°C]		
AI			48	I1	I1 [A]		
AI			49	I2	I2 [A]		
PIV			50	PwrOnTm	Power ON Time [hr]		
PIV			51	PMV1	Pulse Motor Valve1 [pls]		
PIV			52	PMV2	Pulse Motor Valve2 [pls]		
PIV			53	PMV3	Pulse Motor Valve3 [pls]		
PIV			54	PMV4	Pulse Motor Valve4 [pls]		
BI			55	4wayVlv	4way Valve		
BI			56	SV41	SV41:Comp Start Assist		
BI			57	SV42	SV42:Comp Start Assist		
BI			58	SV3D	SV3D:Separator Open		
BI			59	SV3F	SV3F		
BI			60	SV5B	SV5B		
BI			61	Co1Heat	Comp1 Heater		
BI			62	Co2Heat	Comp2 Heater		
BI			63	AccHeat	Accumulator Heater		
BI			64	HiPrsRel	High Pressure Release		
BI			65	DschTRel	Discharge Temp Release		
BI			66	DfrstPrepHt	Defrost preparation (Heating)		
BI			67	DfrstCtrlCl	During Defrost control (Cooling)		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI			68	DfrstFinCl	Defrost finish action (Cooling)		
BI			69	OilEqCt	Oil Equalizing Control		
AI			70	Inv1CurCtrl	Control current INV1 [A]		
PIV			71	OnStrtHH	On Time From Start [hh] [hr]		
PIV			72	OnStrtMM	On Time From Start [mm] [min]		
PIV			73	StopKeep	Unit Stop keep timer		
PIV			74	RSW1	RSW1		
PIV			75	RSW2	RSW2		
PIV			76	RSW3	RSW3		
PIV			77	SW101	SW101		
PIV			78	SW102	SW102		
PIV			79	SW103	SW103		
PIV			80	SW104	SW104		
PIV			81	SW105	SW105		
CSV			82	7Seq	7 segment display		

3.2.11.6 Toshiba SMMSu PRO Outdoor Systems

- SMMSu

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV			00	Type	Outdoor System Type Name		
PIV			01	TotHP	Total HP [hp]		
BI			02	CStart	Cooling Start		
BI			03	HStart	Heating Start		
BI			04	OilRecC	Oil Recovery(Cool)		
BI			05	OilRecH	Oil Recovery(Heat)		
BI			06	StatOv	Status Over (outdoor capacity correction)		
BI			07	StatSh	Status Short (outdoor capacity correction)		
BI			08	DmndRel	Demand release		
BI			09	SndRedCt	Sound Reduction Control		
BI			10	SnowFnCt	Snowfall Fan Control		
BI			11	CommProt	Communication protocol		
BI			12	CommSpeed	Communication speed at Uv line		
PIV			13	IndCapCorrFc	Indoor Unit capacity correction factor [%]		
PIV			14	DmndRelRto	Demand release ratio [%]		
PIV			15	TotalCon	Indoor Total Connect		
PIV			16	TotReqCapStep	TotReqCapStep		
AI			17	TotReqCap	Total required capacity [%]		
PIV			18	SysStopKeep	System Stop keep timer		
PIV			19	IndAddrWTer	Indoor address with terminator		

3.2.11.7 Toshiba PRO Enumerated Parameters

- Kind (Kind)

Value	Description
0	Normal
1	Fresh
2	Fresh
3	Fresh

- Type (Type)



Value	Description
0	1-way
1	4-way
2	2-way
3	1-way
4	C-Duct
5	S-Duct
6	H-Duct
7	U-Ceiling
8	High wall
9	Kitchen
10	F-Cabinet
11	F-Concealed
12	F-8/10
13	F-Standing
14	Compact
15	SSD
16	Fresh-D
17	Fresh-F
18	Console
19	Ice
26	H-Duct
27	PAC-F
28	PAC-D
29	V-AHU
30	V-AHU
31	RoofTop
32	RoofTop
50	A2A
51	A2A
52	A2A
53	A2A
55	RA
56	RA
60	M-HWM
61	M-HWM
62	H-HWM
63	M-HWM
65	Large-PAC
66	Large-PAC
67	Large-PAC

• Operation Mode (Mode)

Value	Description
1	Heat
2	Cool
3	Fan
4	Dry
5	Auto (heat)
6	Auto (cool)

• Fan Mode (Fan)

Value	Description
2	Stop
3	Stop
4	Auto
5	Auto
6	High
7	High
8	Med



Value	Description
9	Med
10	Low
11	Low
12	Ultra Low
13	Ultra Low

3.2.11.8 Toshiba SMMSu PRO Enumerated Parameters

- Kind (Kind)

Value	Description
0	Normal
1	Normal
2	Normal
3	Normal
4	Normal
5	Normal
6	Normal
7	Normal
8	Normal
9	Normal
10	Normal
11	Normal
12	Normal
13	Normal
14	Normal
15	Normal
16	Fresh
17	Fresh
18	Normal
19	Normal
21	Normal
26	Normal
27	Normal
28	Normal
29	Normal
30	Normal
31	Normal
32	Normal
50	DX-Coil Unit
51	DX-Coil Unit
52	DX-Coil Unit
53	DX-Coil Unit
55	Dx-I/F
56	Dx-I/F
60	Hot Water
61	Hot Water
62	Hot Water
63	Hot Water
65	Normal
66	Fresh
67	Fresh
68	Normal
69	Fresh

- Type (Type)

Value	Description
0	1-way
1	4-way



Value	Description
2	2-way
3	1-way
4	C-Duct
5	S-Duct
6	H-Duct
7	U-Ceiling
8	High wall
9	Kitchen
10	F-Cabinet
11	F-Concealed
12	F-8/10
13	F-Standing
14	Compact
15	SSD
16	Fresh-D
17	Fresh-F
18	Console
19	Ice
21	SSD
26	H-Duct
27	PAC-F
28	PAC-D
29	V-AHU
30	V-AHU
31	Rooftop
32	Rooftop
50	A2A
51	A2A
52	A2A
53	A2A
55	0-10V/RA
56	0-10V/RA
60	M-HWM
61	M-HWM
62	H-HWM
63	H-HWM
65	L-Duct
66	L-Direct
67	L-Fresh
68	FLEXAIR
69	FLEXAIR-F

- **Fan Mode (Fan)**

Value	Description
1	Off
2	Auto
3	HH
4	HH
5	L
6	LL
9	Off
10	Auto
11	HH
12	H+
13	L+
14	LL



4 Commands Reference

[line](#)
[bacnet](#)
[va](#)

4.1 bacnet

SYNOPSIS

```
bacnet  
bacnet IP enable  
bacnet IP disable  
bacnet port <PORT>  
bacnet instance <DEV_INST>
```

DESCRIPTION

- Without parameters **bacnet** command displays current bacnet configuration.
- **bacnet IP** command is used to enable or disable BACnet IP module.
- **bacnet port** command is used to configure UDP port used by BACnet IP module.
- **bacnet instance** command is used to configure Device Instance of the Device Object Identifier. **DEV_INST** is a decimal number. After changing Device Instance device must be restarted.

EXAMPLE

See examples in [Configuration](#) chapter.

4.2 line

SYNOPSIS

```
line  
line type <Ln> BAC  
line myid <Ln> <TS>  
line baud <Ln> <FRAME>
```

DESCRIPTION

<Ln> parameter denotes communication line number like for example: **L3** or **L4**.

- Without parameters **line** command prints status of all communication lines available in specific device.
- **line type** command is used to activate BACnet MS/TP module on line **<Ln>**.
- **line myid** command is used to change TS address. **<TS>** parameter should be provided as hexadecimal number without leading 0x.
- **line baud** command is used to change BACnet MS/TP frame format for line **<Ln>**. **<FRAME>** parameter format is **<BAUD>_<8|9><N|E|O><1|2>**. Supported baud rates for **<BAUD>** parameter are: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200. Frame format change is effective only after power reset.

EXAMPLE

See examples in [BACnet MS/TP Configuration](#) chapter.



4.3 **va**

SYNOPSIS

```
va  
va auto  
va + <UID> <VA>  
va delall  
va - <UID>|<VA>  
va ram <N>
```

DESCRIPTION

<UID> parameter denotes Indoor Unit identifier/number like for example: **L1.100** or **L2.003**. **<VA>** parameter denotes VA number in decimal format.

- Without parameters **va** command prints status of all allocated VA's.
- **va auto** command is used to automatically distribute VA's for all detected UID's one to one. Previously allocated VA's will be deleted
- **va + <UID> <VA>** command will allocate VA for given UID. Number of VA's allocated for UID is not limited.
- **va delall** command will delete all allocated VA's.
- **va - <UID>** will delete all allocated VA's for given UID.
- **va - <VA>** will delete specific VA.
- **va ram <N>** resizes RAM memory used for VA's. Parameter **<N>** denotes a desired total number of VA's that can be allocated. By default N=170. VA's memory resize is effective only after power reset.

EXAMPLE

See examples in [VA's Configuration](#) chapter.