

BACnet Integration Guidelines



CoolMasterNet
CooLinkNet
CooLinkHub
CooLinkBridge

BACnet Integration Guidelines



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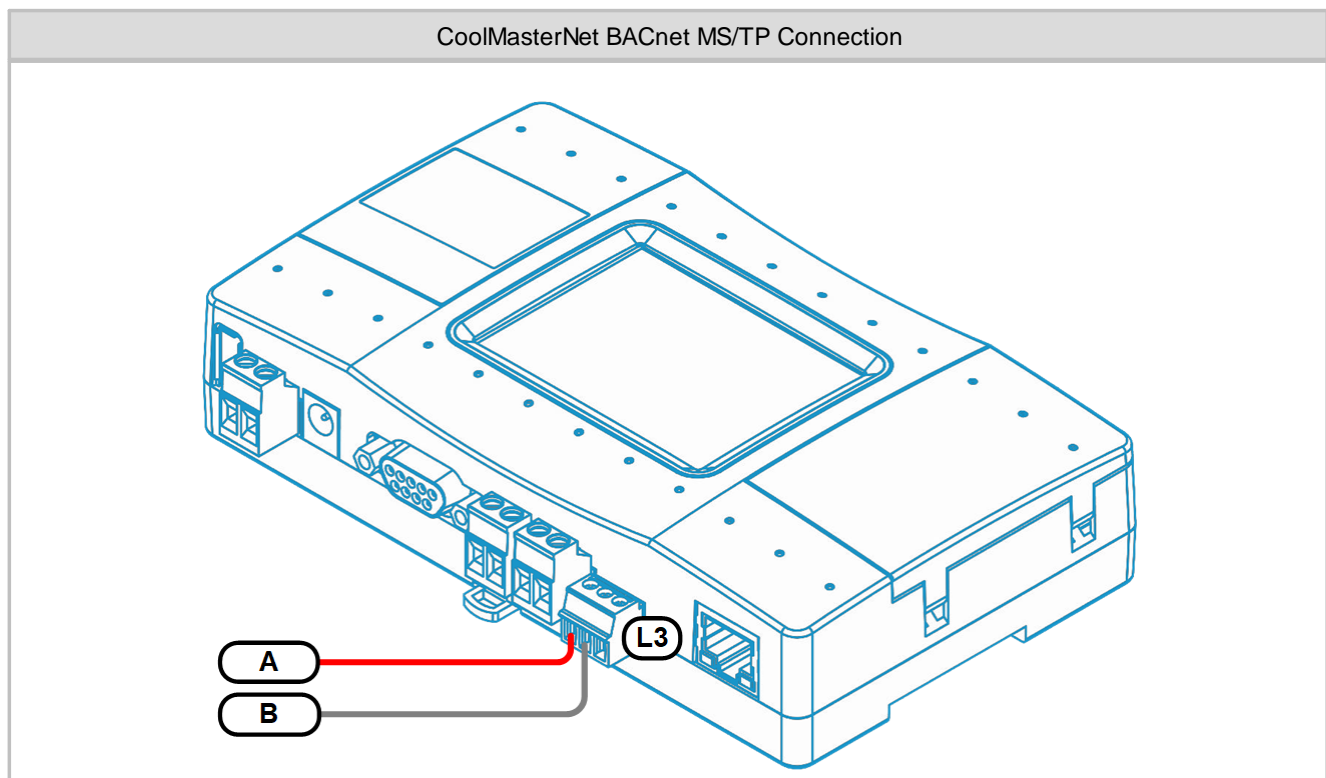


1 Connection

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

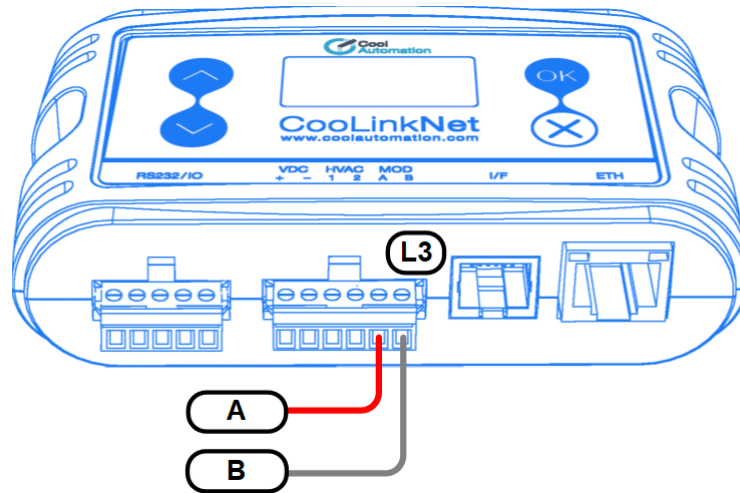
In BACnet MS/TP mode physical connection to the CoolAutomation devices is implemented over “Two-Wire” electrical interface in accordance to EIA/TIA-485 standard. Connection is made via 485-A and 485-B terminals. Ground wire connection is not mandatory but highly recommended.



In CoolMasterNet 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.



CoolLinkNet/CoolLinkHub/CoolLinkBridge BACnet MS/TP Connection



In CoolLinkNet/CoolLinkHub/CoolLinkBridge devices **only** Line L3 can be used for BACnet MS/TP connection.

1.2 BACnet IP Connection

BACnet IP is supported in CoolMasterNet and CoolLinkNet/CoolLinkHub/CoolLinkBridge 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

BACnet MS/TP interface module of CoolAutomation device has to be activated by assigning appropriate communication Line. In CoolMasterNet it is highly recommended to use Line L3, although it is possible to use any of the following lines: L4, L5, L6, L7 lines. Using line L3 in CoolLinkNet/CoolLinkHub/CoolLinkBridge for BACnet MS/TP is mandatory.

CoolMasterNet 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.

CoolMasterNet:

```
>line
L1: DK Master U00/G00 myid:0B
Tx:2/2 Rx:2/2 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L2: Unused
Tx:0/0 Rx:0/0 TO: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 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L4: Unused
Tx:0/0 Rx:0/0 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L5: Unused
Tx:0/0 Rx:0/0 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L6: Unused
Tx:0/0 Rx:0/0 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L7: Unused
Tx:0/0 Rx:0/0 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L8: Unused
Tx:0/0 Rx:0/0 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
OK
```

CoolLinkNet/CoolLinkHub/CoolLinkBridge:

```
>line
L1: Unused
Tx:0/0 Rx:0/0 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L2: Unused
Tx:0/0 Rx:0/0 TO: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 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L4: MLM2 Slave U00/G00 Not Connected
Tx:0/0 Rx:0/0 TO:0/0 CS:0/0 Col:0/0 NAK:0/0
L5: Unused
Tx:0/0 Rx:0/0 TO: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 in '[' ']' 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
Type		Instance		Index		
		VA				
AI				00	R	Room Temperature
AI				01	R	Reserved For Samsung Hydrobox: Water Out Temperature
AV				00	RW	Set Temperature
BI				00	R	HVAC Failure Indication. Present Value = 0 - No Failure Present Value = 1 - Failure. "Active Text" property contains failure code Property "Description" contains "OK" or failure code
BI				01	R	Demand State (Therm_ON)
BI				02	R	External Terminals Status (Daikin:T1T2, Samsung:MIM-B14)
BI				03	R	Reserved For Daikin IDU: Fan rotation status
BV				00	RW	ON/OFF
BV				01	RW	Filter Sign
BV				02	RW	Lock ON/OFF change from WRC
BV				03	RW	Lock Operation Mode change from WRC
BV				04	RW	Lock Set Temperature change from WRC
BV				05	RW	Global Lock
BV				06	RW	Forced Therm_OFF
BV				07	RW	Prohibit external ON/OFF change
BV				08	RW	Prohibit external Operation Mode change
BV				09	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 2 - 30 deg 3 - 45 deg 4 - 60 deg 5 - Horizontal 6 - Auto (Swing) 7 - Off 8 - No Louver Control
MV				03	RW	Mode2: Same as Operation Mode with addition of 33 - OFF (Turn off). (CoolMasterNet Version 0.8.0 or higher)
PIV				00	RW	Set Temperature low limit
PIV				01	RW	Set Temperature high limit



Object Identifier bits					RW*	Object Description
31	22	21	8	7		
Type		Instance				
		VA	Index			
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.

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		
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

- **VRV4S1, VRV4S2, VRV3DENV(RXYRQ8-18P7W1B), mini-VRV, VRV-3S, VRV4S-US(RXTQ), VRV-M, VRV-2MA, VRV-3P**

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
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

- **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						
	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	OiRtrn	Oil return
PIV					16	DmndState	Demand state
PIV					17	OpCtlMod	Operation control mode
AI					18	TstatOnCap	I/U thermostat ON capacity

- **VRV6HP(RXYQ8-60BYM), Skyair2(RXTP112-160F), RXTA-A, 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
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

- **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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	ErrSbCode

- 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		
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

- MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
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]



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

• VRV-K(RSEYP8-10KJ)

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		
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)		
BI			29	Comp2Std	Compressor2 (STD)		
BI			30	BypEq	Bypass for equalizer		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	4WayMv1	4 way valve 1
BI					37	4WayMv2	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	InvFrc	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)
BI					31	HotGasByp	Hot gas bypass



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					32	InjctInv	Injection(INV)
BI					33	InjctStd1	Injection(STD1)
BI					34	InjctStd2	Injection(STD2)
BI					35	LiqP	Liquid pres.
BI					36	4WayMv1	4 way valve 1
BI					37	4WayMv2	4-way valve 2
BI					38	4WayMv3	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	HtOvd1	Heating overload 1
BI					55	HtOvd2	Heating overload 2
BI					56	HtOvd3	Heating overload 3
BI					57	HtOvd4	Heating overload 4
BI					58	CILwAmbT1	Cooling low ambient temp 1
BI					59	CILwAmbT2	Cooling low ambient temp 2
BI					60	CILwAmbT3	Cooling low ambient temp 3
BI					61	CILwAmbT4	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)**

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	TrqtEvT	Target Evaporation T [°C]
PIV					05	TrqtCndT	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					12	BkpOp Backup ope.	
BI					13	CoolHeatPrll Cool/Heat parallel ope.	
PIV					14	DmndState Demand state	

- 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	
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	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	
BI			46	Fan1L	FAN-1L	
BI			47	Fan2	FAN-2	
BI			48	Fan3	FAN-3	
BI			49	Fan4	FAN-4	
BI			50	HtOvd1	Heating overload 1	
BI			51	HtOvd2	Heating overload 2	
BI			52	HtOvd3	Heating overload 3	
BI			53	HtOvd4	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:RSXP5-10L(JY1_Y1_YL)**

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	InvFrg	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	



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					19	TstatOnCap I/U thermostat ON capacity	
PIV					20	ErrSbCode ErrSbCode	
PIV					21	D3netCommRtrFreq D3netCommRtrFreq	

• **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.	
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]	

• **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						
	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.	
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	

- **Ve-up3Q(RQYP140-900A)**

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	
PIV					03	TrgtCndT Target Condensing T [°C]	
AI					04	TrgtEvT Target Evaporation T [°C]	
AI					05	SysCur System Current [A]	
PIV					06	SysHP System HP [hp]	
BI					07	Fan FAN	
BI					08	Heat Heating	
BI					09	Cool Cooling	
BI					10	TstatOn Thermostat ON	
BI					11	ResrtStby Restart stand-by	
BI					12	BkpOp Backup ope.	
PIV					13	DmndState Demand state	
BI					14	Bypass1 1-Y2S:Bypass	
BI					15	InltMixUn1 1-Y4S:Inlet Of Mixing Unit	
BI					16	LiqLvRsvr1 1-Y7S:Liquid Level Of Receiver	
BI					17	OutlOilReq1 1-Y9S:Outlet Of Oil Regulator	
BI					18	BypEIExpVlv1 1-Y10S:Bypass Of Main Electronic Expansion Valve	
BI					19	GasPrqRfrqReq1 1-Y11S:Gas Purge Of Refrigerant Regulator	
BI					20	SupReqRfrqReq1 1-Y12S:Supply Requid Into Refrigerant Regulator	
BI					21	SupGasRefReq1 1-Y13S: Supply Gas Into Refrigerant Regulator	
BI					22	ToReqRefReq1 1-Y14S:Take Out Requid From Refrigerant Regulator	
BI					23	Bypass2 2-Y2S:Bypass	
BI					24	InltMixUn2 2-Y4S:Inlet Of Mixing Unit	
BI					25	LiqLvRsvr2 2-Y7S:Liquid Level Of Receiver	
BI					26	OutlOilReq2 2-Y9S:Outlet Of Oil Regulator	
BI					27	BypEIExpVlv2 2-Y10S:Bypass Of Main Electronic Expansion Valve	
BI					28	GasPrqRfrqReq2 2-Y11S:Gas Purge Of Refrigerant Regulator	
BI					29	SupReqRfrqReq2 2-Y12S:Supply Requid Into Refrigerant Regulator	
BI					30	SupGasRefReq2 2-Y13S: Supply Gas Into Refrigerant Regulator	
BI					31	ToReqRefReq2 2-Y14S:Take Out Requid From Refrigerant Regulator	



3.2.1.3 DK PRO Outdoor Units

- **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					
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	ScCoilExtT	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	OiRtrn	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
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						
	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	EVOp1 EV opening 1 [pls]	
PIV					08	EVOp2 EV opening 2 [pls]	
PIV					09	EVOp3 EV opening 3 [pls]	
BI					10	Complnv1 Compressor 1(INV1)	
BI					11	Complnv2 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	DrnPnHtr 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	
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]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
IV				11	AccInlT	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		
Type		Instance		0		
		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	RfrqCoolIPM	Refrigerant cooling IPM [%]
AI				18	RfrqCoolAir	Refrigerant cooling air [%]
AI				19	RfrqAutoCh	Refrigerant auto charge [%]
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	OHSby	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 temperature [°C]
IV				41	Inv2T	INV2 temperature [°C]

• VRV6HP(RXYQ8-60BYM)



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		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		
Type		Instance		0		
		VA	Index			
PIV				00	HP	HP [hps]
PIV				01	Inv1RotAmnt	INV 1 rotation amount [rps]
PIV				02	FanStp	Fan step
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	Complnv1	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	4WayVlvUpr	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	OHSby	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	HexGasTUPr Heat exchanger gas pipe temp.(upper) [°C]	
IV					05	HexGasTLo Heat exchanger gas pipe temp.(low) [°C]	
AI					06	HexLiqTUPrRight 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	RcvrInlT Receiver inlet temp. [°C]	
IV					13	RcvrGasPrqT Receiver gas purge temp. [°C]	
IV					14	GasInjctT Gas injection temp [°C]	
IV					15	AccInlT 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 [hpl]	
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	EVCIRfrq 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	OHSby Overheating stand-by	
BI					22	Inv1Sby INV1 stand-by	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Comp1DsSchStpDnCtl	Comp.1 Disch. stepping down cntl
BI					28	Comp2DsSchStpDnCtl	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						
	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	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]
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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		Inv1DsSchStpDnCtl	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		Index				
	VA						
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), RXTA-A**

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 [hpf]	
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		Comp1DsSchStpDnCtl	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	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
AI			23	Comp1Cur	Comp.1 current [A]	
AI			24	InvFanSecCur	INV fan secondary current [A]	
IV			25	Inv1T	INV1 temperature [°C]	

- Skyair2(RXTP112-160F), RXTA-A

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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]	

- mini-VRV, VRV-M

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
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	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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					30	MulOi	Multi oil
BI					31	ErrState	Unit Error stat
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						
	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	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					25	HotGas	Hot Gas
BI					26	CcH1	CH1:Crankcase Heater
BI					27	CcH2	CH2:Crankcase Heater
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						
	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 [%]
AI					09	EVOp5	EV opening 5 [%]
BI					10	Complnv1	Compressor 1(INV1)
BI					11	Complnv2	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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
BI					20	4WayVlvUpr	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 retrv
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	HexGasTUpr	Heat exchanger gas pipe temp.(upper) [°C]
IV					07	HexGasTLo	Heat exchanger gas pipe temp.(low) [°C]
AI					08	HexLiqTUpr	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	AccInlT	Accumulator inlet temp. [°C]
IV					16	RcvrInlT	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, AAYDA, AATJA)**

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 [hpf]
PIV					02	Inv1RotAmnt	INV 1 rotation amount [rps]
PIV					03	Inv2RotAmnt	INV 2 rotation amount [rps]
PIV					04	FanStp	Fan step



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					05	HexUprRight	Heat exchanger right upper [%]
AI					06	HexLoRight	Heat exchanger right lower [%]
AI					07	ScHex	Subcooling heat exchanger [%]
AI					08	RcvrGasPrq	Receiver gas purge [%]
AI					09	HexLeft	Heat exchanger left [%]
AI					10	RfrqCoolIPM	Refrigerant cooling IPM [%]
AI					11	RfrqCoolAir	Refrigerant cooling air [%]
AI					12	RfrqAutoCh	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	RfrqAdj	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 temperature [°C]
IV					47	Inv2T	INV2 temperature [°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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV					07	HexGasTRight	Heat exchanger right gas temp. [°C]
IV					08	HexGasTLeft	Heat exchanger left gas temp. [°C]
IV					09	HexLiqTUpRright	Heat exchanger right upper liquid temp. [°C]
IV					10	HexLiqTLoRright	Heat exchanger right lower liquid temp. [°C]
IV					11	HexLiqTLeft	Heat exchanger left liquid temp. [°C]
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	RcvrInlT	Receiver inlet temp. [°C]
IV					18	RcvrGasPrqT	Receiver gas purge temp. [°C]
IV					19	ScInjctT	Subcooling INJ temp. [°C]
IV					20	AcclnIt	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	BoxAirOutT	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						
	VA	Index					
PIV					00	AirNet	AirNet Addr.
PIV					01	HP	HP [hpl]
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	Complnv1	Compressor 1(INV1)
BI					14	Complnv2	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	4WayVlvUpR	4-way valve(upper heat exchanger)
BI					22	4WayVlvUndr	4-way valve(under heat exchanger)
BI					23	SolVlv	Sol. valve(shutoff liquid pipe)
BI					24	DrnPanHtr	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	OHSby	Overheating stand-by
BI					30	Inv1Stby	INV1 stand-by
BI					31	Inv2Stby	INV2 stand-by



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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
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	RcvrGasPrqT	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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]
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	RfrqGasPrq	Refrigerant requ. gas purging
BI					50	RfrqLiq	Refrigerant requ. liquid
BI					51	RfrqDsching	Refrigerant requ. discharging
BI					52	RfrqDsch	Refrigerant requ. 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.



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
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]
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						
	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 [%]



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	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
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					04	FanStp	Fan step
AI					05	EVM	EV (Main) [%]
AI					06	EVScHex	EVScHex
AI					07	EVRfrqCond	EVRfrqCond
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
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	OHSby	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	RfrqChT	Refrigerant charging temp. [°C]
IV					14	EVMOutLiqT	EVM Outlet Liquid Pipe Temperature [°C]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
		VA	Index			
IV			15		ScInjctT	Subcooling INJ temp. [°C]
IV			16		HexDeiT1	HexDeiT1
IV			17		HexDeiT2	HexDeiT2

• VRV-2MA

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 [hpl]
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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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		
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		Complnv1	Compressor 1(INV1)
BI			08		Complnv2	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		DrnPanHtr	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		OHSby	Overheating stand-by
BI			22		Inv1Sby	INV1 stand-by
BI			23		Inv2Sby	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	INV2 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		
Type	Instance		Index			
	VA					
PIV			00		AirNet	AirNet Addr.
IV			01		AmbT	Ambient temperature [°C]
PIV			02		DschTInv1	Discharge pipe temp.(INV1) [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	AccInlT	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		
Type	Instance		Index			
	VA					
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		
Type	Instance		Index			
	VA					
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	ScCiExtT	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
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		
Type		Instance		0		
		VA	Index			
PIV				00	AirNet	AirNet Addr.
PIV				01	HP	HP [hpl]
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
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	ScCoilExtT	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		
Type						
Instance					Short Name	Object Description
VA						
Index					Short Name	Object Description
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	AcclntT	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
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	GasScPrq	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	GasOutltScPrqT	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	Complnv1	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	DrnPanHtr	Drain pan heater
BI					17	HiPRtry	High pressure retry
BI					18	LoPRtry	Low pressure retry
BI					19	DschPipRtry	Disch. pipe retry
BI					20	OHSby	Overheating stand-by
BI					21	Inv1Sby	INV1 stand-by
BI					22	HiPStpDnCtl	H.P. stepping down cntl
BI					23	LoPStpDnCtl	L.P. stepping down cntl
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	RfrqAdjInlt	RfrqAdjInlt
BI					30	OiReq	OiReq
BI					31	OiAdjInlt	OiAdjInlt
BI					32	HotGas	Hot Gas

• 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.
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	RfrqChT	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	DrnPanHtr	Drain pan heater
BI					18	HiPRtry	High pressure retry
BI					19	LoPRtry	Low pressure retry
BI					20	DschPipRtry	Disch. pipe retry
BI					21	OHSby	Overheating stand-by
BI					22	Inv1Sby	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	RfrqAdjHotGas	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		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	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	AccInlT	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	4WayMlv 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	
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	OHSby 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						
	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]	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
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						
	VA	Index					
PIV					00	AirNet	AirNet Addr.
BI					01	ErrState	Unit Error stat
IV					02	AmbT	Ambient temperature [°C]
IV					03	RcvrLiqT	Receiver Liquid Temp. [°C]
PIV					04	DschTInv	Disch. temp.(INV) [°C]
PIV					05	DschTStd1	Disch. temp.(STD1) [°C]
PIV					06	DschTStd2	Disch. temp.(STD2) [°C]
IV					07	LiqPipRefReg	LIQUID_PIPE_TEMPERATURE_OF_REFRIGERANT_REGULATOR
IV					08	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
IV					09	RcvrLiqT	Receiver Liquid Temp. [°C]
IV					10	EVLiqT	EV liquid pipe temp. [°C]
IV					11	SuctT	Suction Temperature [°C]
IV					12	HexT	Heat exchanger temp. [°C]
IV					13	HPrsGasTmp	H.Pres. gas Temp [°C]
IV					14	LPrsGasTmp	L.Pres. gas Temp [°C]
PIV					15	InvRS	Inverter Revolution Speed [rps]
PIV					16	InvCur	Inverter current [A]
PIV					17	InvFinT	Inverter fin temp. [°C]
PIV					18	EVOp1	EV opening 1 [pls]
PIV					19	EVOp2	EV opening 2 [pls]
PIV					20	CTSTD1	CT1 (STD1) [A]
PIV					21	CTSTD2	CT2 (STD2) [A]
PIV					22	InvFanCur	INV FAN current [A]
BI					23	Comp1Inv	Compressor1(INV)
BI					24	Comp2Std1	Compressor2(STD1)
BI					25	Comp3Std2	Compressor3(STD2)
BI					26	OiRtrn	Oil return
BI					27	HotGas	Hot Gas
BI					28	Cch1	CH1:Crankcase Heater
BI					29	Cch2	CH2:Crankcase Heater
BI					30	Cch3	CH3:Crankcase Heater
BI					31	ResrtStby	Restart stand-by
BI					32	EnrgyCutOutp	Energy cut output
BI					33	HiPRtry	High pressure retry
BI					34	LoPRtry	Low pressure retry



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					35	DschPipRtry	Disch. pipe retry
PIV					36	FanStp	Fan step
BI					37	4WayVlv	4-way valve
BI					38	4WayVlv2	4-way valve 2
BI					39	Dfrst	Defrost
BI					40	HiPStpDnCtl	H.P. stepping down cntl
BI					41	LoPStpDnCtl	L.P. stepping down cntl
BI					42	StrtupCtl	Startup control
BI					43	InvRtry	INV retry
BI					44	InvDschStpDnCtl	INV Disch. stepping down cntl
BI					45	InvCurDroCtl	INV current drooping cntl.
BI					46	InvFinStpDnCtl	INV Fin stepping down cntl
BI					47	Std1DschStpDnCtl	STD1 Disch. stepping down cntl
BI					48	Std1OCStpDnCtl	STD1 OC stepping down cntl
BI					49	Std2DschStpDnCtl	STD2 Disch. stepping down cntl
BI					50	Std2OCStpDnCtl	STD2 OC stepping down cntl
BI					51	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close
BI					52	RcvrGasOut	SVG:Receiver gas out
PIV					53	HP	HP [hp]

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

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	Complnv1	Compressor 1(INV1)
BI					09	Complnv2	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	OHSby	Overheating stand-by
BI					23	Inv1Sby	INV1 stand-by
BI					24	Inv2Sby	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	RfrqAdjHotGas	Refrigerant Adjuster Hot Gas
BI				35	OiAdjHotGas	Oil Adjuster Hot Gas
BI				36	OiRtrnCir	Oil Return Circuit
BI				37	Byp	Byp
BI				38	OiRcvrCir1	Heat exchanger gas upper temp. [°C]
BI				39	OiRcvrCir2	Heat exchanger gas lower temp. [°C]
BI				40	OiReqGas1	OiReqGas1
BI				41	OiReqGas2	OiReqGas2

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

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
PIV				00	AirNet	AirNet Addr.
PIV				01	HP	HP [hpl]
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	Complnv1	Compressor 1(INV1)
BI				09	Complnv2	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	DrnPnHtr	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	OHSby	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	RfrqAdjHotGas	Refrigerant Adjuster Hot Gas
BI				35	OiAdjHotGas	Oil Adjuster Hot Gas
BI				36	OiRtrnCir	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	AccInlT	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	RfrqChT	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	SolVvHt	Solenoid valve of heating
BI					12	LoPrsSolVv	Low pressure of solenoid valve
BI					13	BpsSolVv	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]
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]

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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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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]	
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]	
PIV					37	Comp2BsbV Compressor 2 busbar voltage [V]	
IV					38	Comp2MdIT Compressor 2 module temperature [°C]	
AI					39	Fan2Cur Fan2 current [A]	
PIV					40	Fan2BsbV Fan2 busbar voltage [V]	
IV					41	Fan2MdIT Fan2 module temperature [°C]	
PIV					42	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	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	MdHiPrs Module high pressure [°C]	
IV					08	MdLoPrs 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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 valve 1 status
BI					18	OiRtMlv1	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	RstCompI	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]
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

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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	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	RefqnRcw	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	Comp1WkMq	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]
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

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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	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Comp1MdIT	Compressor 1 module temperature [°C]
AI					36	Fan1Cur	Fan1 current [A]
PIV					37	Fan1BsbV	Fan1 busbar voltage [V]
IV					38	Fan1MdIT	Fan1 module temperature [°C]
AI					39	Comp2Cur	Compressor 2 current [A]
PIV					40	Comp2BsbV	Compressor 2 busbar voltage [V]
IV					41	Comp2MdIT	Compressor 2 module temperature [°C]
AI					42	Fan2Cur	Fan2 current [A]
PIV					43	Fan2BsbV	Fan2 busbar voltage [V]
IV					44	Fan2MdIT	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	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 valve 1 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]
PIV					47	SbclEXV	Subcooler EXV [PIs]
IV					48	SbclGsInT	Subcooler gas inlet temperature [°C]

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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	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Comp1MdIT	Compressor 1 module temperature [°C]
AI					46	Fan1Cur	Fan1 current [A]
PIV					47	Fan1BsbV	Fan1 busbar voltage [V]
IV					48	Fan1MdIT	Fan1 module temperature [°C]
AI					49	Comp2Cur	Compressor 2 current [A]
PIV					50	Comp2BsbV	Compressor 2 busbar voltage [V]
IV					51	Comp2MdIT	Compressor 2 module temperature [°C]
AI					52	Fan2Cur	Fan2 current [A]
PIV					53	Fan2BsbV	Fan2 busbar voltage [V]
IV					54	Fan2MdIT	Fan2 module temperature [°C]
PIV					55	SbclEXV	Subcooler EXV [PIs]
IV					56	SbclGsInT	Subcooler gas inlet temperature [°C]
PIV					57	MdHiPrsR410A	Module high pressure (R410A) [PSI]
PIV					58	MdLoPrsR410A	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					11	Fan2OpFreq	Fan2 operation frequency [Hz]
IV					12	MdIHPrs	Module high pressure [°C]
IV					13	MdLPrs	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 valve 1 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	Comp1MdIT	Compressor 1 module temperature [°C]
AI					32	Fan1Cur	Fan1 current [A]
PIV					33	Fan1BsbV	Fan1 busbar voltage [V]
IV					34	Fan1MdIT	Fan1 module temperature [°C]
AI					35	Fan2Cur	Fan2 current [A]
PIV					36	Fan2BsbV	Fan2 busbar voltage [V]
IV					37	Fan2MdIT	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-continuous heating (NonContHt)**

Value	Description
0	Continuous heating
1	Non-continuous 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 (MdlEmergOpMd)**

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
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]

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	Cvc	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	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 [%]
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						
	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	ProtLv	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	
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]	



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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						
	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	EmergRun	Emergency Run
PIV					05	RunSt	Run State
PIV					06	CvcSt	Cycle State
PIV					07	ProtLv	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
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		
Type		Instance		0		
		VA	Index			
CSV				00	Type	Outdoor Unit Type Name
PIV				01	ROMno	Outdoor Control PCB ROM number
BI				02	ForDfrst	For Defrost
BI				03	EmerqRun	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	ProtLv	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Tchq	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	TBq	Relay Status [°C]
IV					50	Tq1	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
BI					03	EmerqRun	Emergency Run
BI					04	TstRun	Test Run
PIV					05	RunSt	Run State
PIV					06	CvcSt	Cycle State
PIV					07	ProtLv	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]



Object Identifier bits					Short Name	Object Description	
Type	Instance		Index				
	VA						
	31	22	21	8	7	0	
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	Tcha	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]
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	CvcSt	Cycle State		
PIV			08	ProtLv	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	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]		



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	TBq	Relay Status [°C]
IV					58	Tq1	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		Index				
	VA						
CSV					00	Type	Outdoor Unit Type Name
PIV					01	ROMno	Outdoor Control PCB ROM number
BI					02	ForDfrst	For Defrost
BI					03	EmerqRun	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	ProtLv	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]



Object Identifier bits					Short Name	Object Description
Type	Instance		Index			
	VA					
	31	22	21	8	7	0
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	Tq1	Heat Exchanger 1 Gas Side Temp. [°C]
IV				43	Tq2	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
BI				69	RY2	Relay for Compressor 2
BI				70	20X1	Relay for X1
BI				71	20X2	Relay for X2
PIV				72	Fan1VdPwr	Outdoor FAN 1 Valid Power [W]
PIV				73	Fan2VdPwr	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		
Type						
Instance					Short Name	Object Description
VA						
Index					Short Name	Object Description
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	ProtLv	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]
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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		Index				
	VA						
CSV					00	Type	Outdoor Unit Type Name
PIV					01	ROMno	Outdoor Control PCB ROM number
BI					02	ForDfrst	For Defrost
BI					03	EmerqRun	Emergency Run
BI					04	TstRun	Test Run
PIV					05	HEXSt	HEXSt
PIV					06	RunSt	Run State
PIV					07	CvcSt	Cycle State
PIV					08	ProtLv	Protection Level
PIV					09	ProtCd	Protection Code
PIV					10	INV1Cd	Inverter 1 Stop Reason Code
PIV					11	INV1St	INV1St
PIV					12	INV2Cd	Inverter 2 Stop Reason Code
PIV					13	INV2St	INV2St
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]
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	MV3
PIV					24	MV4	MV4
AI					25	Pd	High Pressure [MPa]
AI					26	Ps	Suction (low) Pressure [MPa]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	Tcha	Tcha
IV					35	Ta	Ta
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	Ts
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	Info3
PIV					48	Info4	Info4
PIV					49	Info5	Info5
PIV					50	Info6	Info6
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	20B
BI					63	20C	20C
BI					64	20F	20F
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	i1
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			
Type							
Instance					Index		
VA							
BI					04	TstRun	Test Run
PIV					05	HEXSt	HEXSt
PIV					06	RunSt	Run State
PIV					07	CvcSt	Cycle State
PIV					08	ProtLv	Protection Level
PIV					09	ProtCd	Protection Code
PIV					10	INV1Cd	Inverter 1 Stop Reason Code
PIV					11	INV1St	INV1St
PIV					12	INV2Cd	Inverter 2 Stop Reason Code
PIV					13	INV2St	INV2St
PIV					14	FAN1Cd	FANCON 1 Stop Reason Code
PIV					15	FAN1St	FAN1St
PIV					16	FAN2Cd	FANCON 2 Stop Reason Code
PIV					17	FAN2St	FAN2St
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	Fo
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	Tsc
IV					37	Te1	Heat Exchanger Liquid Temperature 1 [°C]
IV					38	Te2	Heat Exchanger Liquid Temperature 2 [°C]
IV					39	Tchg	Tchg
IV					40	Ta	Outdoor Temperature [°C]
IV					41	Tfin1	Inverter 1 Fin Temperature [°C]
IV					42	Tfin2	Inverter 2 Fin Temperature [°C]
IV					43	Tq1	Heat Exchanger 1 Gas Side Temp. [°C]
IV					44	Tq2	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
BI					58	C16	TdSH Reduction Prevention Restricted Control
BI					59	C17	Overcurrent Prevention Restricted Control
BI					60	CH1	Relay for Crank Case Heater 1



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	20C	
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.	

3.2.3.3 HT PRO Enumerated Parameters

- **Run State (RunSt)**

Value	Description
0	SW Off
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	Def1Stnby
11	Def2Stnby
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.



Value	Description
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 steading
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 steading
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
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



Value	Description
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
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



Value	Description
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
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)



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



Value	Description
68	Abnormal Control
84	Abnormal Fan Motor (Step-Out)
100	Abnormal Inctruction 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 steading
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 Inctruction 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 steading
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 Inctruction 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 Inctruction 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)
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

3.2.4 LG

Enter topic text here.

3.2.4.1 LG PRO Indoor Units

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type			Instance				
VA	Index						
PIV			01			Capa	Capacity [BTU/h]
PIV			02			EEV	Electronic Expansion Valve [pls]
AI			03			Pipeln	Pipe In [°C]



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



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

• SUPER4 Master

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		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	Inv2TrqFrq	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]



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Inv1HtMlv	Inverter1 heater
BI					45	Inv2HtMlv	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	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Inv1				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]
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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
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	OilLv1	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		
Type		Instance		0		
		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]	
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	Inv1TrqFrq 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	SclnT 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	Inv1HtMlv 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	Inv1TrqFrq Inverter 1 target frequency [Hz]	
PIV					10	Inv1TrcFrq Inverter 1 current frequency [Hz]	
PIV					11	Inv2TrqFrq 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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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]
PIV					02	LoPrsTrc	Current low pressure [KPa]
AI					03	ComprRatio	Compression ratio
PIV					04	Inv1TrqFrq	Inverter 1 target frequency [Hz]
PIV					05	Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV					06	Inv2TrqFrq	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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						
	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	SCSHTrc	Target degree of subcooling and super heat [°C]
PIV					06	HiPrsTrc	Current high pressure [KPa]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
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	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	HtCnclEEVT	HtCnclEEVT
AI				19	ScOutT	Subcooling outlet temperature [°C]
AI				20	LiqT	Liquid pipe temperature [°C]
AI				21	HtSrcWtrOuT	HtSrcWtrOuT
AI				22	HtSrcWtrInT	HtSrcWtrInT
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	HtCnclEEV	HtCnclEEV
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	Inv1HtMlv	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		
Type		Instance		0		
		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	Inv1TrqFrq	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	HtCnclEEVT	HtCnclEEVT
AI				14	ScOutT	Subcooling outlet temperature [°C]
AI				15	LiqT	Liquid pipe temperature [°C]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA	Index				
AI				16	HtSrcWtrOuT	HtSrcWtrOuT
AI				17	HtSrcWtrInT	HtSrcWtrInT
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	HtCnclEEV	HtCnclEEV
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



Value	Description
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 x0.1 [°C]	
AI		03			PipeOut	Pipe Out x0.1 [°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			HiPrsTrq	Target high pressure [KPa]	
PIV		05			LoPrsTrq	Target low pressure [KPa]	
AI		06			SCSHTrq	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			SHTrq	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			Inv1TrqFrq	Inverter 1 target frequency [Hz]	
PIV		15			Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV		16			Inv2TrqFrq	Inverter 2 target frequency [Hz]	
PIV		17			Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV		18			Fan1Trq	FAN1 target RPM [rpm]	
PIV		19			Fan1Trc	FAN1 current RPM [rpm]	
PIV		20			Fan2Trc	FAN2 current RPM [rpm]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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						
	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						
	VA	Index					
AI					03	ComprRatio	Compression ratio
AI					04	SHTrq	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	Inv1TrqFrq	Inverter 1 target frequency [Hz]
PIV					09	Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV					10	Inv2TrqFrq	Inverter 2 target frequency [Hz]
PIV					11	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV					12	Fan1Trq	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
BI					58	Inv1HtVlv	Inverter1 heater
BI					59	Inv2HtVlv	Inverter2 heater



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
		VA	Index			
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		
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	SHTrq	Target degree of super heat [°C]
AI				07	SCSHTrq	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	InvTrqFrq	Inverter target frequency [Hz]
PIV				13	InvTrcFrq	Inverter current frequency [Hz]
PIV				14	Fan1Trq	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	LiqIltInv	Liquid injection valve (inverter)
BI				47	LiqIltStd	Liquid injection valve (standard)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	InvTrqFrq Inverter target frequency [Hz]	
PIV					05	InvTrcFrq Inverter current frequency [Hz]	
PIV					06	Fan1Trq 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	LiqIltInv Liquid injection valve (inverter)	
BI					39	LiqIltStd 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						
	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	SCSHTrq	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	SHTrq	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	InvTrqFrq	Inverter target frequency [Hz]
PIV					15	InvTrcFrq	Inverter current frequency [Hz]
PIV					16	Fan1Trq	FAN1 target RPM [rpm]
PIV					17	Fan1Trc	FAN1 current RPM [rpm]
PIV					18	Fan2Trq	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					57	HotGas	Hot gas
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	SHTrc	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	Fan1Trq	FAN1 target RPM [rpm]
PIV					11	Fan1Trc	FAN1 current RPM [rpm]
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	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	Sclit	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	SCSHTrq	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	SHTrq	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	InvTrqFrq	Inverter target frequency [Hz]
PIV					15	InvTrcFrq	Inverter current frequency [Hz]
PIV					16	Fan1Trq	FAN1 target RPM [rpm]
PIV					17	Fan1Trc	FAN1 current RPM [rpm]
PIV					18	Fan2Trq	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			
Instance							
Type	VA		Index				
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	InvIpM	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			
Instance							
Type	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	SHTrq	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]



Object Identifier bits					Short Name	Object Description		
Type	31	22	21	8			7	0
					VA	Index		
PIV					08	InvTrqFrq	Inverter target frequency [Hz]	
PIV					09	InvTrcFrq	Inverter current frequency [Hz]	
PIV					10	Fan1Trq	FAN1 target RPM [rpm]	
PIV					11	Fan1Trc	FAN1 current RPM [rpm]	
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	HiPrsTrq Target high pressure [KPa]	
PIV					05	LoPrsTrq Target low pressure [KPa]	
AI					06	SHTrq 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	SCSHTrq 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	InvTraFrq Inverter target frequency [Hz]	
PIV					15	InvTrcFrq Inverter current frequency [Hz]	
PIV					16	Fan1Trq FAN1 target RPM [rpm]	
PIV					17	Fan1Trc FAN1 current RPM [rpm]	
PIV					18	Fan2Trq 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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					38	CoolFan Cooling fan	
BI					39	HotGas Hot gas	
BI					40	InvOMd 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	



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

• SUPER4 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	Inv2TrqFrq	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Inv1TrqFrq	Inverter 1 target frequency [Hz]
PIV					05	Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV					06	Inv2TrqFrq	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	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	HiPrsTrq	Target high pressure [KPa]
PIV					04	LoPrsTrq	Target low pressure [KPa]
AI					05	SCSHTrc	Target degree of subcooling and super heat [°C]
PIV					06	HiPrsTrc	Current high pressure [KPa]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	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	Inv1HtMlv	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	Inv1TrqFrq	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Inv1HtMlv Inverter1 heater	
BI					26	OilLv1 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]	
PIV					30	Inv1IpmT Inverter 1 IPM temperature [°C]	
BI					31	Inv1HtMlv 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	Inv1TrqFrq 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	Inv1HtVv 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	Inv1TrqFrq Inverter 1 target frequency [Hz]	
PIV					10	Inv1TrcFrq Inverter 1 current frequency [Hz]	
PIV					11	Inv2TrqFrq 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]	



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



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	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	HtCnclEEVT	HtCnclEEVT
AI					19	ScOutT	Subcooling outlet temperature [°C]
AI					20	LiqT	Liquid pipe temperature [°C]
AI					21	HtSrcWtrOuT	HtSrcWtrOuT
AI					22	HtSrcWtrInT	HtSrcWtrInT
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	HtCnclEEV	HtCnclEEV
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	Inv1HtMlv	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	Inv1TrqFrq	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	HtCnclEEVT	HtCnclEEVT
AI					14	ScOutT	Subcooling outlet temperature [°C]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
AI			15	LiqT	Liquid pipe temperature [°C]	
AI			16	HtSrcWtrOuT	HtSrcWtrOuT	
AI			17	HtSrcWtrInT	HtSrcWtrInT	
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	HtCnclEEV	HtCnclEEV	
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	Inv1IpM T	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	

3.2.5.3 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		



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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		
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		
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		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



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	
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 RPMEA1	
IV					28	EA1 PWM Motor PWMEA1	
PIV					29	SA2 RPM Actual RPM SA2	
IV					30	SA2 PWM Motor PWM SA2	
PIV					31	EA2 RPM Actual RPMEA2	
IV					32	EA2 PWM Motor PWMEA2	

- **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	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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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		Index				
	VA						
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		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/cm ²]	
AI			19		63LSW	Low pressure [kg/cm ²]	
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		Index				
	VA						
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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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]
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	ldc	ldc [A]
AI					44	lu	lu [A]
AI					45	lw	lw [A]
AI					46	Vdc	Vdc [V]
AI					47	Ts	Ts [°C]
AI					48	Twi	Twi [°C]
AI					49	Two	Two [°C]
AI					50	Twq	Twq [°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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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		Index				
	VA						
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 [kq/cm2]
AI					07	Vdc	COMP bus voltage [V]
AI					08	li	Input Current [A]
AI					09	lc	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-P*V/Y/NH/KM(BR4/UR4/SR1/C-C/-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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 [kq/cm2]
AI					08	63LS	63LS Pressure sensor [kq/cm2]
AI					09	Vdc	COMP bus voltage [V]
AI					10	li	Input Current [A]
AI					11	lc	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						
	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	li	I(input) [A]
AI					09	lc	I(comp) [A]
PIV					10	Wc	W(comp)
PIV					11	GR	GR
AI					12	63HS	High pressure sensor [kq/cm2]
AI					13	63LS	63LS Pressure sensor [kq/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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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		Index				
	VA						
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]
PIV					05	LEV_B	LEV_B [pls]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
AI				06	Vdc	COMP bus voltage [V]
AI				07	li	Input Current [A]
AI				08	lc	Compressor Current [A]
AI				09	63HS	High pressure sensor [kg/cm ²]
AI				10	63LS	63LS Pressure sensor [kg/cm ²]
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						
	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	li I(input) [A]	
AI					09	lc I(comp) [A]	
PIV					10	Wc W(comp)	
PIV					11	GR GR	
AI					12	63HS High pressure sensor [kq/cm2]	
AI					13	63LS 63LS Pressure sensor [kq/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 [kq/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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					54	SC16	SC16 [°C]
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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
PIV			111	LEV13	LEV13 [pls]	
PIV			112	LEV14	LEV14 [pls]	
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		
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	63HS1	63HS1 Pressure sensor [kg/cm ²]	
AI			07	63LS	63LS Pressure sensor [kg/cm ²]	
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	Nqt	Night	
BI			24	Nqt2	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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					32	SV4b	
BI					33	SV4c	
BI					34	SV4d	
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						
	VA	Index					
CSV					00	Type	
PIV					01	CtrlM	
PIV					02	OpeM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
PIV					06	FAN	
IV					07	QiC	
IV					08	QjH	
PIV					09	LEV2	
PIV					10	LEV2b	
PIV					11	LEV2d	
AI					12	Iu	
AI					13	Iw	
PIV					14	AL	
AI					15	LX	
PIV					16	FAN(rpm)	
IV					17	Vdc	
PIV					18	LEV9	
AI					19	63HS1	
AI					20	63LS	
AI					21	TH3	
AI					22	TH4	
AI					23	TH5	
AI					24	TH7	
AI					25	TH15	
AI					26	FAN-Ver	
PIV					27	Save	
PIV					28	OpeS	
PIV					29	Attr	
PIV					30	M-NetSupUn	
PIV					31	StrtUpUn	
AI					32	Tc	
AI					33	Te	
AI					34	THHS	
BI					35	Dmnd	
BI					36	SV1a	
BI					37	Dmnd2	
BI					38	Nqt	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					39	Nqt2	Night2
BI					40	Snow	Snow
BI					41	21S4a	21S4a
BI					42	21S4b	21S4b
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	PreErr	Preliminary error code
PIV					63	PreErrDet	Preliminary error detail code
PIV					64	PreErrSrc	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						
	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]
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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
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	Nqt	Night
BI					61	Nqt2	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						
	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					
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	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/cm ²]
AI					23	63LS	63LS Pressure sensor [kg/cm ²]
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					60	Nqt	Night
BI					61	Nqt2	Night2
BI					62	21S4a	21S4a
BI					63	21S4b	21S4b
BI					64	21S4c	21S4c
BI					65	IH	IH
PIV					66	FAN-Fr	Fan1 run status
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 [kq/cm2]
AI					23	63LS	63LS Pressure sensor [kq/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)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					56	Nqt2	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						
	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	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV				18	FAN2	FAN2	
IV				19	Vdc	Bus voltage [V]	
AI				20	63HS1	63HS1 Pressure sensor [kq/cm2]	
AI				21	63LS	63LS Pressure sensor [kq/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	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	Nqt	Night	
BI				55	Nqt2	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	QiC	Total capacity Cool
IV					08	QiH	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 [kq/cm2]
AI					22	63LS	63LS Pressure sensor [kq/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	PreErr	Preliminary error code
PIV					45	PreErrDet	Preliminary error detail code
PIV					46	PreErrSrc	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					57	IH	
PIV					58	FAN-Fr	
BI					59	RefChrgAdj	
BI					60	WM	
BI					61	Rep	
BI					62	72C	
BI					63	CompOn	
BI					64	M-NetSup	
PIV					65	ALh	
BI					66	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	
PIV					01	CtrlM	
PIV					02	OpeM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
PIV					06	FAN	
IV					07	QiC	
IV					08	QiH	
PIV					09	LEV2	
PIV					10	LEV4	
AI					11	lu	
AI					12	lw	
PIV					13	AL	
AI					14	LX	
PIV					15	FAN(rpm)	
PIV					16	FAN2(rpm)	
PIV					17	FAN-Fr	
PIV					18	FAN2-Fr	
PIV					19	FAN2	
IV					20	Vdc	
PIV					21	LEV2b	
PIV					22	LEV2d	
PIV					23	LEV9	
AI					24	63HS1	
AI					25	63LS	
AI					26	TH3	
AI					27	TH4	
AI					28	TH5	
AI					29	TH7	
AI					30	TH15	
AI					31	FAN-Ver	
PIV					32	Save	
PIV					33	OpeS	
PIV					34	Attr	
PIV					35	M-NetSupUn	
PIV					36	StrtUpUn	
AI					37	FAN2-Ver	
BI					38	RefChrgAdj	
AI					39	Tc	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	PreErr	Preliminary error code
PIV					54	PreErrDet	Preliminary error detail code
PIV					55	PreErrSrc	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	Nqt	Night
BI					61	Nqt2	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	QiC	Total capacity Cool
IV					08	QiH	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type						
Instance					Short Name	Object Description
VA						
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]
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	PreErr	Preliminary error code
PIV				60	PreErrDet	Preliminary error detail code
PIV				61	PreErrSrc	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	Nqt	Night
BI				67	Nqt2	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



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					48	PreIErr	Preliminary error code
PIV					49	PreIErrDet	Preliminary error detail code
PIV					50	PreIErrSrc	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	Nqt	Night
BI					56	Nqt2	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-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	QiC	Total capacity Cool
IV					08	QiH	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
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/cm ²]
AI					32	63LS	63LS Pressure sensor [kg/cm ²]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					53	Nqt2	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	PreErr	Preliminary error code
PIV					69	PreErrDet	Preliminary error detail code
PIV					70	PreErrSrc	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
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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
IV			07	QjH	Total capacity Heat	
PIV			08	LEV2	LEV2 Linear expansion valve [pls]	
PIV			09	LEV4	Linear expansion valve [pls]	
AI			10	lu	U-Phase current effective value [A]	
AI			11	lw	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 [kq/cm2]	
AI			29	63LS	63LS Pressure sensor [kq/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	Nqt	Night	
BI			48	Nqt2	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	
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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					64	PreErrDet	Preliminary error detail code
PIV					65	PreErrSrc	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 [kq/cm ²]
AI					13	63LS	63LS Pressure sensor [kq/cm ²]
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	Q _i C	Total capacity Cool
PIV					21	Q _i H	Total capacity Heat
AI					22	SC _o	Heat exchanger outlet subcooling [°C]
AI					23	SC _c	Coil outlet subcooling [°C]
AI					24	SH _b	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	Q _i C	Total capacity Cool
IV					08	Q _i H	Total capacity Heat
PIV					09	LEV2	LEV2 Linear expansion valve [pls]
PIV					10	LEV2b	LEV2b [pls]
PIV					11	LEV2d	LEV2d
AI					12	Idc	Direct current [A]
AI					13	Iu	U-Phase current effective value [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 [kq/cm2]
AI					21	63LS	63LS Pressure sensor [kq/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	Nqt	Night
BI					42	Nqt2	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						
	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					09	LEV2	LEV2 Linear expansion valve [pls]
PIV					10	LEV2b	LEV2b [pls]
PIV					11	LEV2d	LEV2d
AI					12	lu	U-Phase current effective value [A]
AI					13	lw	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/cm ²]
AI					22	63LS	63LS Pressure sensor [kg/cm ²]
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	Nqt	Night
BI					42	Nqt2	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
PIV					65	PreErr	Preliminary error code



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA		Index			
PIV					66	PreIErrDet Preliminary error detail code
PIV					67	PreIErrSrc 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		
Instance						
Type	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	Nqt Night
BI					35	Nqt2 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		
Type	Instance		Index			
	VA					
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	PreErr	Preliminary error code	
PIV			56	PreErrDet	Preliminary error detail code	
PIV			57	PreErrSrc	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		
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	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 [kq/cm2]	
AI			20	63LS	63LS Pressure sensor [kq/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	Nqt	Night	
BI			38	Nqt2	Night2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					39	Snow	Snow
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	PreErr	Preliminary error code
PIV					61	PreErrDet	Preliminary error detail code
PIV					62	PreErrSrc	Preliminary error source address

• PURY-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	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 [kq/cm2]
AI					06	63LS	63LS Pressure sensor [kq/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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					26	21S4b	
BI					27	CH21	
PIV					28	ALh	
BI					29	SV2	
BI					30	IH	
BI					31	H-Def1	
BI					32	H-Def2	
PIV					33	FAN-Fr	
AI					34	TH15	
AI					35	TH16	
AI					36	TH17	
AI					37	TH18	
AI					38	THHS(FAN1)	
PIV					39	FAN(rpm)	
PIV					40	LEV2b	
PIV					41	LEV9	
PIV					42	OpeM	
PIV					43	CtrlM	
PIV					44	LEV2d	
BI					45	CH22	
AI					46	FAN-Ver	
PIV					47	Save	
PIV					48	OpeS	
PIV					49	Attr	
PIV					50	StrtUpUn	
AI					51	RotTm	

• 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	
PIV					01	CtrlM	
PIV					02	OpeM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
PIV					06	FAN	
IV					07	QjC	
IV					08	QjH	
PIV					09	LEV2	
PIV					10	LEV2b	
PIV					11	LEV2d	
AI					12	Iu	
AI					13	Iw	
PIV					14	AL	
AI					15	LX	
PIV					16	FAN(rpm)	
PIV					17	FAN2(rpm)	
PIV					18	FAN2	
IV					19	Vdc	
PIV					20	LEV9	
AI					21	63HS1	
AI					22	63LS	
AI					23	TH3	



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]
BI					38	21S4a	21S4a
BI					39	21S4b	21S4b
BI					40	SV1a	SV1(A)/SV1a
BI					41	Dmnd	Demand
BI					42	Dmnd2	Demand2
BI					43	Nqt	Night
BI					44	Nqt2	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]



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	TH9	Thermistor 9 [°C]
AI					08	TH10	Thermistor 10 [°C]
AI					09	TH11	Thermistor 11 [°C]
AI					10	TH12	Thermistor 12 [°C]
AI					11	63HS	High pressure sensor [kq/cm2]
AI					12	63LS	63LS Pressure sensor [kq/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						
	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
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 [kq/cm2]
AI					19	63LS	63LS Pressure sensor [kq/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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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
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	Nqt	Night
BI					54	Nqt2	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						
	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	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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]	
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	Nqt	Night	
BI				52	Nqt2	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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					24	Nqt2	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						
	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					12	lu	U-Phase current effective value [A]
AI					13	lw	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]
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	Nqt	Night
BI					48	Nqt2	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]	
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	Nqt Night	
BI					29	Nqt2 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]



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]
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 [kq/cm2]
AI					19	63LS	63LS Pressure sensor [kq/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	Nqt	Night
BI					43	Nqt2	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI			57		SV4a	SV4a
BI			58		SV4b	SV4b
BI			59		SV4c	SV4c
BI			60		SV4d	SV4d
BI			61		CH21	CH21
PIV			62		ALh	ALh

• PURY-P [capacity] ZKMU-A

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
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]
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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI				44	52C	52C
BI				45	SV1a	SV1(A)/SV1a
BI				46	Dmnd2	Demand2
BI				47	Snow	Snow
BI				48	Nqt	Night
BI				49	Nqt2	Night2
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		
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	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					39	Nqt2	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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]
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	Nqt	Night
BI					36	Nqt2	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	QjC	Total capacity Cool
IV					08	QjH	Total capacity Heat
PIV					09	LEV2	LEV2 Linear expansion valve [pls]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type						
Instance					Short Name	Object Description
VA						
PIV				10	LEV2b	LEV2b [pls]
PIV				11	LEV2d	LEV2d
PIV				12	LEV4	Linear expansion valve [pls]
AI				13	lu	U-Phase current effective value [A]
AI				14	lw	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 [kq/cm2]
AI				21	63LS	63LS Pressure sensor [kq/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	PreErr	Preliminary error code
PIV				62	PreErrDet	Preliminary error detail code
PIV				63	PreErrSrc	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]	
AI					05	TH7 Thermistor 7 [°C]	
AI					06	63HS High pressure sensor [kq/cm2]	
AI					07	63LS 63LS Pressure sensor [kq/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						
	VA	Index					
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 [kq/cm2]	
AI					06	63LS 63LS Pressure sensor [kq/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						
	VA	Index					
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]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type						
Instance					Short Name	Object Description
VA						
AI				05	TH12	Thermistor 12 [°C]
AI				06	63HS	High pressure sensor [kq/cm2]
AI				07	63LS	63LS Pressure sensor [kq/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]
IV				13	F(Hz)	All temporary frequencies [Hz]
PIV				14	FAN	Fan output [Hz]
PIV				15	QjC	Total capacity Cool
PIV				16	QjH	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		
Type						
Instance					Short Name	Object Description
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 [kq/cm2]
AI				16	63LS	63LS Pressure sensor [kq/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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	Nqt	Night
BI				42	Nqt2	Night2
BI				43	Snow	Snow
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		
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
IV				18	Vdc	Bus voltage [V]
AI				19	63HS1	63HS1 Pressure sensor [kg/cm ²]
AI				20	63LS	63LS Pressure sensor [kg/cm ²]
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					48	Nqt2	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						
	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV					07	QjH	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]
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	Nqt	Night
BI					37	Nqt2	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						
	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]	
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	
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	Nqt Night	
BI					43	Nqt2 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	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
BI				59	SV4d	SV4d
BI				60	CH21	CH21
PIV				61	ALh	ALh
BI				62	SV7	SV7

• PURY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		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
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/cm ²]
AI				15	63LS	63LS Pressure sensor [kg/cm ²]
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	Nqt	Night
BI				36	Nqt2	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					46	SV4a	
BI					47	SV4b	
BI					48	SV4d	
BI					49	SV2	
BI					50	INV-FAN1	

- **PURY-(E)P [capacity]**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV					00	Type	
AI					01	63HS1	
AI					02	TH4	
AI					03	TH7	
AI					04	63LS	
AI					05	TH5	
PIV					06	OpeM	
AI					07	TH3	
AI					08	TH6	
AI					09	THHS	
AI					10	Tc	
AI					11	Te	
AI					12	Vdc	
AI					13	TH15	
AI					14	TH16	
AI					15	TH17	
AI					16	TH18	
BI					17	Dmnd	
BI					18	Snow	
BI					19	Nqt	
BI					20	Nqt2	
BI					21	Dmnd2	
BI					22	21S4a	
BI					23	SV1a	
BI					24	SV5b	
BI					25	SV5c	
AI					26	Iu	
AI					27	Iw	
PIV					28	FAN	
PIV					29	CtrlM	
IV					30	QjC	
IV					31	QjH	
IV					32	F(Hz)	
PIV					33	Foc	
BI					34	CH21	
PIV					35	ALh	
BI					36	SV2	
BI					37	SV9	
BI					38	SV4a	
BI					39	SV4b	
BI					40	SV4d	

- **PURY-(E) [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	
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 [kq/cm2]	
AI					09	63LS 63LS Pressure sensor [kq/cm2]	
AI					10	THHS Thermistor 9 [°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]	
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		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	LEV2 LEV2 Linear expansion valve [pls]	
PIV					10	LEV4 Linear expansion valve [pls]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					11	lu	U-Phase current effective value [A]
AI					12	lw	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 [kq/cm ²]
AI					22	63LS	63LS Pressure sensor [kq/cm ²]
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]
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	Nqt	Night
BI					57	Nqt2	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
		VA	Index			
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		
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	lu	U-Phase current effective value [A]
AI				11	lw	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 [kq/cm2]
AI				21	63LS	63LS Pressure sensor [kq/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	PreIErr	Preliminary error code
PIV				45	PreIErrDet	Preliminary error detail code
PIV				46	PreIErrSrc	Preliminary error source address



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI				47	Dmnd	Demand
BI				48	SV1a	SV1(A)/SV1a
BI				49	Dmnd2	Demand2
BI				50	Snow	Snow
BI				51	Nqt	Night
BI				52	Nqt2	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
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		
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	63HS1	63HS1 Pressure sensor [kq/cm2]
AI				07	63LS	63LS Pressure sensor [kq/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		
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	63HS1	63HS1 Pressure sensor [kq/cm2]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
AI			07	63LS	63LS Pressure sensor [kq/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	QiC	Total capacity Cool	
IV			16	QiH	Total capacity Heat	

• PURY-EP [capacity] YLM-A

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
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]	
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 [kq/cm2]	
AI			18	63LS	63LS Pressure sensor [kq/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	Nqt	Night	
BI			39	Nqt2	Night2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					40	Snow	
BI					41	21S4a	
BI					42	SV5b	
BI					43	SV9	
BI					44	SV4a	
BI					45	SV4b	
BI					46	SV4d	
BI					47	SV10	
BI					48	SV11	
IV					49	AK	
AI					50	RotTm	
BI					51	IH	
PIV					52	FAN-Fr	
BI					53	WM	
BI					54	Rep	
BI					55	72C	
BI					56	CompOn	
BI					57	M-NetSup	
BI					58	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	
PIV					01	CtrlM	
PIV					02	OpeM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
PIV					06	FAN	
IV					07	QiC	
IV					08	QiH	
PIV					09	LEV5a	
PIV					10	LEV5b	
AI					11	Idc	
AI					12	Iu	
AI					13	Iw	
PIV					14	AL	
AI					15	LX	
PIV					16	FAN(rpm)	
PIV					17	FAN2(rpm)	
PIV					18	FAN2	
IV					19	Vdc	
AI					20	63HS1	
AI					21	63LS	
AI					22	TH3	
AI					23	TH4	
AI					24	TH5	
AI					25	TH6	
AI					26	TH7	
AI					27	TH9	
AI					28	TH11	
AI					29	TH12	
AI					30	FAN-Ver	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					44	Nqt2	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
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	QcC	Total capacity Cool
IV					07	QcH	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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
BI					34	Nqt	Night
BI					35	Nqt2	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	QiC Total capacity Cool	
IV					20	QiH 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]	
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	
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 [kq/cm2]	
AI					21	63LS 63LS Pressure sensor [kq/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]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
AI				39	THHS	Thermistor 9 [°C]
BI				40	SV1a	SV1(A)/SV1a
BI				41	Dmnd	Demand
BI				42	Dmnd2	Demand2
BI				43	Nqt	Night
BI				44	Nqt2	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
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		
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	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	Nqt	Night
BI					43	Nqt2	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		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	LA	LA
PIV					15	FAN(rpm)	FAN(rpm) [rpm]
PIV					16	FAN2(rpm)	FAN2(rpm) [rpm]
PIV					17	FAN2	FAN2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					18	Vdc	COMP bus voltage [V]
AI					19	63HS1	63HS1 Pressure sensor [kq/cm2]
AI					20	63LS	63LS Pressure sensor [kq/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
BI					43	Nqt	Night
BI					44	Nqt2	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						
	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					09	LEV1 Linear expansion valve [pls]	
PIV					10	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 [ka/cm2]	
AI					18	63HS2 63HS2 Pressure sensor [ka/cm2]	
AI					19	63LS 63LS Pressure sensor [ka/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	Nqt Night	
BI					43	Nqt2 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]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
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	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 [kq/cm2]	
AI			19	63HS2	63HS2 Pressure sensor [kq/cm2]	
AI			20	63LS	63LS Pressure sensor [kq/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	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	Nqt	Night	
BI			44	Nqt2	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	QiC 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]	
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	Nqt Night	
BI					39	Nqt2 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 [kq/cm2]	
AI					08	63LS 63LS Pressure sensor [kq/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]	
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	Nqt Night	
BI					30	Nqt2 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 [kq/cm2]	
AI					08	63LS 63LS Pressure sensor [kq/cm2]	
AI					09	THHS Thermistor 9 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	Nqt	Night
BI					28	Nqt2	Night2
BI					29	21S4a	21S4a
BI					30	21S4b	21S4b
BI					31	21S4c	21S4c
BI					32	SV5b	SV5b
BI					33	SV5c	SV5c
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		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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					43	Nqt2	Night2
BI					44	Snow	Snow
BI					45	SV1a	SV1(A)/SV1a
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						
	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	QiC	Total capacity Cool
IV					07	QiH	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]



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 [kq/cm2]	
AI				17	63HS2	63HS2 Pressure sensor [kq/cm2]	
AI				18	63LS	63LS Pressure sensor [kq/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	
BI				37	Dmnd	Demand	
BI				38	Dmnd2	Demand2	
BI				39	Nqt	Night	
BI				40	Nqt2	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]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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/cm ²]	
AI			10	63HS2	63HS2 Pressure sensor [kg/cm ²]	
AI			11	63LS	63LS Pressure sensor [kg/cm ²]	
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		
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	63HS1	63HS1 Pressure sensor [kg/cm ²]	
AI			10	63HS2	63HS2 Pressure sensor [kg/cm ²]	
AI			11	63LS	63LS Pressure sensor [kg/cm ²]	
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 [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 [kq/cm2]
AI					08	63HS2	63HS2 Pressure sensor [kq/cm2]
AI					09	63LS	63LS Pressure sensor [kq/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	Nqt	Night
BI					30	Nqt2	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					05	TH6	Thermistor 6 [°C]
AI					06	TH7	Thermistor 7 [°C]
AI					07	63HS1	63HS1 Pressure sensor [kg/cm ²]
AI					08	63HS2	63HS2 Pressure sensor [kg/cm ²]
AI					09	63LS	63LS Pressure sensor [kg/cm ²]
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	Nqt	Night
BI					28	Nqt2	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	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					45	Nqt2	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
PIV					02	OpeM	Operation Mode
IV					03	F(Hz)	All temporary frequencies [Hz]
PIV					04	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					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/cm ²]
AI					21	63LS	63LS Pressure sensor [kg/cm ²]
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	Nqt	Night
BI					46	Nqt2	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
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		
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	Ngt	Night
BI				47	Ngt2	Night2
BI				48	Snow	Snow
BI				49	21S4a	21S4a
BI				50	SV9	SV9
BI				51	SV2	SV2
BI				52	SV6	SV6
BI				53	IH	IH



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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		
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	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/cm ²]	
AI			16	63LS	63LS Pressure sensor [kg/cm ²]	
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	
BI			37	Dmnd	Demand	
BI			38	Dmnd2	Demand2	
BI			39	Nqt	Night	
BI			40	Nqt2	Night2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					41	Snow	
BI					42	21S4a	
BI					43	21S4b	
BI					44	SV5b	
BI					45	AF	
BI					46	WM	
BI					47	Rep	
BI					48	72C	
BI					49	CompOn	
BI					50	M-NetSup	
BI					51	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	
PIV					01	CtrlM	
PIV					02	OpeM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
PIV					06	FAN	
IV					07	QiC	
IV					08	QjH	
PIV					09	LEV1	
AI					10	Idc	
AI					11	Iu	
AI					12	Iw	
PIV					13	AL	
AI					14	Vdc	
AI					15	63HS1	
AI					16	63LS	
AI					17	TH2	
AI					18	TH3	
AI					19	TH4	
AI					20	TH7	
AI					21	FAN-Ver	
PIV					22	Save	
PIV					23	OpeS	
PIV					24	Attr	
PIV					25	M-NetSupUn	
PIV					26	StrtUpUn	
AI					27	SCo	
AI					28	SHb	
AI					29	Tc	
AI					30	Te	
AI					31	THHS	
AI					32	THBOX	
IV					33	AK	
AI					34	RotTm	
BI					35	SV1a	
BI					36	Dmnd	
BI					37	Dmnd2	
BI					38	Nqt	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI				39	Nqt2	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		
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
BI				35	SV1a	SV1(A)/SV1a
BI				36	Dmnd	Demand



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
BI				37	Dmnd2	Demand2
BI				38	Nqt	Night
BI				39	Nqt2	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		
Type		Instance		0		
		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	Qc	Total capacity Cool
IV				07	Qh	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
BI				35	Dmnd	Demand



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					36	Dmnd2	Demand2
BI					37	Nqt	Night
BI					38	Nqt2	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						
	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	Vdc	COMP bus voltage [V]
AI					16	63HS1	63HS1 Pressure sensor [kq/cm2]
AI					17	63LS	63LS Pressure sensor [kq/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		
Type	Instance		Index			
	VA					
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		
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	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Dmnd	Demand
BI					39	SV1a	SV1(A)/SV1a
BI					40	Dmnd2	Demand2
BI					41	Snow	Snow
BI					42	Nqt	Night
BI					43	Nqt2	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 [kq/cm2]
AI					18	63HS2	63HS2 Pressure sensor [kq/cm2]
AI					19	63LS	63LS Pressure sensor [kq/cm2]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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)
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	Nqt	Night
BI					42	Nqt2	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	QiC	Total capacity Cool
IV					08	QiH	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					12	lu	U-Phase current effective value [A]
AI					13	lw	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 [kq/cm2]
AI					19	63LS	63LS Pressure sensor [kq/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	Nqt	Night
BI					45	Nqt2	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						
	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					
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]	
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	Nqt	Night	
BI				47	Nqt2	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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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/cm ²]	
AI					17	63LS 63LS Pressure sensor [kg/cm ²]	
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	Nqt Night	
BI					41	Nqt2 Night2	
BI					42	21S4a 21S4a	
BI					43	21S4b 21S4b	
BI					44	SV5b SV5b	
PIV					45	FAN-Fr Fan1 run status	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 [kq/cm2]
AI					08	63HS2	63HS2 Pressure sensor [kq/cm2]
AI					09	63LS	63LS Pressure sensor [kq/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
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	Nqt	Night
BI					30	Nqt2	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	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	Nqt Night	
BI					28	Nqt2 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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 [kq/cm2]	
AI					11	63HS2 63HS2 Pressure sensor [kq/cm2]	
AI					12	63LS 63LS Pressure sensor [kq/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						
	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		
Instance						
Type	VA	Index				
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	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 [kq/cm2]
AI				23	63LS	63LS Pressure sensor [kq/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	PreErr	Preliminary error code
PIV				58	PreErrDet	Preliminary error detail code
PIV				59	PreErrSrc	Preliminary error source address
AI				60	THHS(FAN1)	THHS(FAN1) [°C]



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	PreErr Preliminary error code	
PIV					55	PreErrDet Preliminary error detail code	
PIV					56	PreErrSrc Preliminary error source address	
PIV					57	DtaColl Data collection	
BI					58	Dmnd Demand	
BI					59	SV1a SV1(A)/SV1a	
BI					60	Dmnd2 Demand2	
BI					61	Snow Snow	
BI					62	Nqt Night	
BI					63	Nqt2 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						
	VA	Index					
CSV					00	Type Outdoor Unit Type Name	
AI					01	TH2 Thermistor 2 [°C]	



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	PreErr	Preliminary error code
PIV					51	PreErrDet	Preliminary error detail code
PIV					52	PreErrSrc	Preliminary error source address
BI					53	Dmnd	Demand
BI					54	SV1a	SV1(A)/SV1a
BI					55	Dmnd2	Demand2
BI					56	Snow	Snow
BI					57	Nqt	Night
BI					58	Nqt2	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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA		Index			
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 [ka/cm2]
AI				13	63LS	63LS Pressure sensor [ka/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
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		
Instance						
Type	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 [kq/cm2]
AI					13	63LS	63LS Pressure sensor [kq/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	Nqt	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 [kq/cm2]
AI					13	63LS	63LS Pressure sensor [kq/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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		VA	Index			
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		Nqt	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		
Type		Instance		0		
		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 [kq/cm2]
AI			16		63LS	63LS Pressure sensor [kq/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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			
Instance							
Type	VA		Index				
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] (T/Y)NU-A.TH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			
Instance							
Type	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]
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 [kq/cm2]
AI					25	63LS	63LS Pressure sensor [kq/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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	
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	Nqt Night	
BI					69	Nqt2 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	

• **PUHY-P [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]	



Object Identifier bits					Short Name	Object Description
Type	Instance		Index			
	VA					
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	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 [kq/cm2]	
AI			23	63LS	63LS Pressure sensor [kq/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	PreErr	Preliminary error code	
PIV			55	PreErrDet	Preliminary error detail code	
PIV			56	PreErrSrc	Preliminary error source address	
BI			57	Dmnd	Demand	
BI			58	SV1a	SV1(A)/SV1a	
BI			59	Dmnd2	Demand2	
BI			60	Snow	Snow	
BI			61	Nqt	Night	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI				62	Nqt2	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

• PUHY-P [capacity] (T/Y)NU-A.TH

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
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	lu	U-Phase current effective value [A]
AI				13	lw	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/cm ²]
AI				20	63LS	63LS Pressure sensor [kg/cm ²]
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	PreErr Preliminary error code	
PIV					49	PreErrDet Preliminary error detail code	
PIV					50	PreErrSrc 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	
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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					05	TH6	Thermistor 6 [°C]
AI					06	TH7	Thermistor 7 [°C]
AI					07	63HS1	63HS1 Pressure sensor [kq/cm2]
AI					08	63LS	63LS Pressure sensor [kq/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]
AI					06	TH7	Thermistor 7 [°C]
AI					07	63HS1	63HS1 Pressure sensor [kq/cm2]
AI					08	63LS	63LS Pressure sensor [kq/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 [kq/cm2]	
AI					08	63LS 63LS Pressure sensor [kq/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	QiC Total capacity Cool	
IV					17	QiH 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]	
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	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 [kq/cm2]	
AI					23	63LS 63LS Pressure sensor [kq/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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					62	Nqt2	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						
	VA	Index					
CSV					00	Outdoor Unit Type Name	
PIV					01	CtrlM	
PIV					02	OpeM	
PIV					03	F1	
PIV					04	Fos	
PIV					05	FAN	
IV					06	QjC	
IV					07	QjH	
PIV					08	LEV1	
PIV					09	LEV2a	
PIV					10	LEV2b	
PIV					11	LEV4	
PIV					12	LEV9	
AI					13	Iu	
AI					14	Iw	
PIV					15	AL	
PIV					16	FAN(rpm)	
PIV					17	FAN2(rpm)	
PIV					18	FAN2	
IV					19	Vdc	
AI					20	63HS1	
AI					21	63LS	
AI					22	TH2	
AI					23	TH3	
AI					24	TH4	
AI					25	TH5	
AI					26	TH6	
AI					27	TH7	
AI					28	TH15	
AI					29	FAN-Ver	
AI					30	FAN2-Ver	
PIV					31	Save	
PIV					32	OpeS	
PIV					33	Attr	
AI					34	SCo	
AI					35	SCc	
AI					36	SHb	
AI					37	Tc	
AI					38	Te	
AI					39	THHS	
IV					40	AK	
AI					41	THHS(FAN1)	
AI					42	THHS(FAN2)	
PIV					43	Err	
PIV					44	ErrDet	
PIV					45	ErrSrc	
PIV					46	MntErr	
PIV					47	MntErrDet	
PIV					48	MntErrSrc	
PIV					49	PreErr	
PIV					50	PreErrDet	
PIV					51	PreErrSrc	
BI					52	Dmnd	
BI					53	SV1a	
BI					54	Dmnd2	
BI					55	Snow	
BI					56	Nqt	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					57	Nqt2	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]
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						
	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		
Instance						
Type	VA	Index				
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/cm ²]
AI				18	63HS2	63HS2 Pressure sensor [kg/cm ²]
AI				19	63LS	63LS Pressure sensor [kg/cm ²]
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	Nqt	Night
BI				43	Nqt2	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
Type	Instance		Index	0		
	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	QiC	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	
BI			37	Dmnd	Demand	
BI			38	SV1a	SV1(A)/SV1a	
BI			39	Dmnd2	Demand2	
BI			40	Snow	Snow	
BI			41	Nqt	Night	
BI			42	Nqt2	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]
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	Nqt	Night
BI					45	Nqt2	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					54	CH11	
BI					55	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	
PIV					01	CtrlM	
PIV					02	OpM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
PIV					06	FAN	
IV					07	QjC	
IV					08	QjH	
PIV					09	LEV1	
PIV					10	LEV2	
AI					11	Idc	
AI					12	Iu	
AI					13	Iw	
PIV					14	AL	
AI					15	LA	
AI					16	Vdc	
AI					17	63HS1	
AI					18	63LS	
AI					19	TH2	
AI					20	TH3	
AI					21	TH4	
AI					22	TH5	
AI					23	TH6	
AI					24	TH7	
AI					25	FAN-Ver	
PIV					26	Save	
PIV					27	OpS	
PIV					28	Attr	
PIV					29	M-NetSupUn	
PIV					30	StrtUpUn	
AI					31	SCo	
AI					32	SCc	
AI					33	SHb	
AI					34	Tc	
AI					35	Te	
AI					36	THHS	
AI					37	THBOX	
IV					38	AK	
AI					39	RotTm	
BI					40	Dmnd	
BI					41	SV1a	
BI					42	Dmnd2	
BI					43	Snow	
BI					44	Ngt	
BI					45	Ngt2	
BI					46	21S4a	
BI					47	21S4b	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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		
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	QiC	Total capacity Cool	
IV			07	QiH	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/cm ²]	
AI			16	63LS	63LS Pressure sensor [kg/cm ²]	
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	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI				40	Nqt	Night
BI				41	Nqt2	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		
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	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	PreErr	Preliminary error code
PIV					55	PreErrDet	Preliminary error detail code
PIV					56	PreErrSrc	Preliminary error source address
BI					57	Dmnd	Demand
BI					58	SV1a	SV1(A)/SV1a
BI					59	Dmnd2	Demand2
BI					60	Snow	Snow
BI					61	Nqt	Night
BI					62	Nqt2	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
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						
	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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA		Index			
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]
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	Nqt	Night
BI				48	Nqt2	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					62	WM	
BI					63	Rep	
BI					64	72C	
BI					65	CompOn	
BI					66	M-NetSup	
BI					67	IH	
BI					68	H-Def1	
BI					69	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	
PIV					01	CtrlM	
PIV					02	OpeM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
PIV					06	FAN	
IV					07	QjC	
IV					08	QjH	
PIV					09	LEV1	
PIV					10	LEV2a	
PIV					11	LEV4	
AI					12	Idc	
AI					13	Iu	
AI					14	Iw	
PIV					15	AL	
AI					16	LA	
PIV					17	FAN(rpm)	
PIV					18	FAN2(rpm)	
PIV					19	FAN-Fr	
PIV					20	FAN2-Fr	
PIV					21	FAN2	
IV					22	Vdc	
PIV					23	LEV2b	
PIV					24	LEV9	
AI					25	63HS1	
AI					26	63LS	
AI					27	TH2	
AI					28	TH3	
AI					29	TH4	
AI					30	TH5	
AI					31	TH6	
AI					32	TH7	
AI					33	TH15	
AI					34	FAN-Ver	
PIV					35	Save	
PIV					36	OpeS	
PIV					37	Attr	
PIV					38	M-NetSupUn	
PIV					39	StrtUpUn	
AI					40	FAN2-Ver	
BI					41	AF	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					63	Nqt2	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



Object Identifier bits					Short Name	Object Description		
Type	31	22	21	8			7	0
					VA	Index		
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]	
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	Nqt	Night	
BI					66	Nqt2	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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	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]
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/cm ²]
AI					22	63LS	63LS Pressure sensor [kg/cm ²]
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					47	Nqt2	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	PreErr	Preliminary error code
PIV					76	PreErrDet	Preliminary error detail code
PIV					77	PreErrSrc	Preliminary error source address

- PUCY-P [capacity] YKA/YKD

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
PIV					08	LEV1	LEV1 Linear expansion valve [pls]
PIV					09	LEV2	LEV2 Linear expansion valve [pls]
AI					10	Idc	Direct current [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					11	lu	U-Phase current effective value [A]
AI					12	lw	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 [kq/cm2]
AI					19	63LS	63LS Pressure sensor [kq/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	Nqt	Night
BI					43	Nqt2	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	Nqt	Night
BI					40	Nqt2	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
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					08	LEVINV [pls]	
PIV					09	LEV6 [pls]	
PIV					10	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	Ngt Night	
BI					39	Ngt2 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	

• PQR-Y-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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	QiC	Total capacity Cool
IV					07	QiH	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	StrUpUn	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	Nqt	Night
BI					38	Nqt2	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

- PQRY-P [capacity] (T/Y)LMU-A(A1), PQRY-P [capacity] YLM-A(A1/A2)



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	
PIV					02	Opem	
PIV					03	F1	
PIV					04	Fos	
IV					05	QjC	
IV					06	QjH	
PIV					07	LEVINV	
PIV					08	LEV6	
PIV					09	LEV7	
AI					10	Idc	
AI					11	Iu	
AI					12	Iw	
PIV					13	AL	
IV					14	Vdc	
AI					15	63HS1	
AI					16	63LS	
AI					17	TH4	
AI					18	TH5	
AI					19	TH7	
AI					20	TH8	
PIV					21	Save	
PIV					22	Opes	
PIV					23	Attr	
AI					24	Tc	
AI					25	Te	
AI					26	THHS	
AI					27	THINV	
IV					28	AK	
BI					29	SV1a	
BI					30	Dmnd	
BI					31	Dmnd2	
BI					32	Nqt	
BI					33	Nqt2	
BI					34	Snow	
BI					35	21S4a	
BI					36	WM	
BI					37	Rep	
BI					38	72C	
BI					39	CompOn	
BI					40	M-NetSup	
BI					41	IH	
BI					42	SV9	
BI					43	SV4a	
BI					44	SV4b	
BI					45	SV4d	
BI					46	SV7a	
BI					47	SV7b	
BI					48	UnOnOff	

- PQRV-P [capacity] YLM-A(A1/A2)

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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/cm ²]
AI					17	63LS	63LS Pressure sensor [kg/cm ²]
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	Nqt	Night
BI					38	Nqt2	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

- PQRV-P [capacity]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance		0		
		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	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 [kq/cm2]
AI				15	63LS	63LS Pressure sensor [kq/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	Nqt	Night
BI				37	Nqt2	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		
Type		Instance		0		
		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 [kq/cm2]
AI				19	63LS	63LS Pressure sensor [kq/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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					57	SV4d	
BI					58	INV-FAN1	
BI					59	SV7a	
BI					60	SV7b	
BI					61	UnOnOff	

• 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	
PIV					01	CtrlM	
PIV					02	OpeM	
IV					03	F(Hz)	
PIV					04	F1	
PIV					05	Foc	
IV					06	QjC	
IV					07	QjH	
PIV					08	LEV1	
PIV					09	LEVINV	
PIV					10	LEV6	
PIV					11	LEV7	
AI					12	Idc	
AI					13	Iu	
AI					14	Iw	
PIV					15	AL	
AI					16	LA	
IV					17	Vdc	
AI					18	63HS1	
AI					19	63LS	
AI					20	TH2	
AI					21	TH3	
AI					22	TH4	
AI					23	TH5	
AI					24	TH6	
AI					25	TH7	
AI					26	TH8	
PIV					27	Save	
PIV					28	OpeS	
PIV					29	Attr	
PIV					30	M-NetSupUn	
PIV					31	StrtUpUn	
AI					32	SCo	
AI					33	SCc	
AI					34	SHb	
AI					35	Tc	
AI					36	Te	
AI					37	THHS	
AI					38	THINV	
IV					39	AK	
AI					40	RotTm	
BI					41	Dmnd	
BI					42	SV1a	
BI					43	Dmnd2	
BI					44	Snow	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					45	Nqt	Night
BI					46	Nqt2	Night2
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	QiC	Total capacity Cool
IV					06	QiH	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 [kq/cm2]
AI					17	63LS	63LS Pressure sensor [kq/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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					31	Tc	Condensing temperature [°C]
AI					32	Te	Evaporating temperature [°C]
AI					33	THHS	Thermistor 9 [°C]
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	Nqt	Night
BI					41	Nqt2	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 [kq/cm2]
AI					16	63LS	63LS Pressure sensor [kq/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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					22	TH7	Thermistor 7 [°C]
AI					23	TH8	Thermistor 8 [°C]
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	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	Nqt	Night
BI					40	Nqt2	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						
	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	QiC	Total capacity Cool
IV					07	QiH	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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					15	LA	LA
AI					16	Vdc	COMP bus voltage [V]
AI					17	63HS1	63HS1 Pressure sensor [kq/cm2]
AI					18	63LS	63LS Pressure sensor [kq/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	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	Nqt	Night
BI					44	Nqt2	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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
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	QiC	Total capacity Cool	
IV			08	QiH	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/cm ²]	
AI			16	63LS	63LS Pressure sensor [kg/cm ²]	
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	Nqt	Night	
BI			41	Nqt2	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	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	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	Nqt Night	
BI					43	Nqt2 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]
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/cm ²]
AI					16	63LS	63LS Pressure sensor [kg/cm ²]
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	Nqt	Night
BI					40	Nqt2	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]
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 0		
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	TH31q	TH31q
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



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
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]
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	HBSiq	Outdoor unit operation control signal to OC
PIV					48	OCSiq	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						
	VA	Index					
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI				07	P1	BC P1 High pressure [kq/cm2]	
AI				08	P2	BC P2 High pressure [kq/cm2]	
AI				09	P3	BC P3 Intermediate pressure [kq/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	
PIV				13	L4	BC L4 Liquid level control	

• **BC(main)**

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 [kq/cm2]	
AI				06	P3	BC P3 Intermediate pressure [kq/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		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 [kq/cm2]	
AI				06	P3	BC P3 Intermediate pressure [kq/cm2]	
PIV				07	L1	BC L1 Liquid level control	
PIV				08	L3	BC L3 Liquid level control	
AI				09	dPHM	BC dPHM [kq/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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	
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		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 [kq/cm2]	
AI			06		P3	BC P3 Intermediate pressure [kq/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						
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 [kq/cm2]
AI					06	P3	BC P3 Intermediate pressure [kq/cm2]
PIV					07	L1	BC L1 Liquid level control
PIV					08	L3	BC L3 Liquid level control
AI					09	dPHM	BC dPHM [kq/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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	
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/cm ²]	
AI			06		P3	BC P3 Intermediate pressure [kg/cm ²]	
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/cm ²]	
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	



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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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



Value	Description
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 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



Value	Description
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
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
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



Value	Description
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
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



Value	Description
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



Value	Description
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)



Value	Description
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
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



Value	Description
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
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



Value	Description
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
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 Samsung

3.2.7.1 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	EEV	EEV1	
BI				05	MTFC	MTFC Status	
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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					13	WindFr Wind Free	
BI					14	DisCtrl Discharge control	

3.2.7.2 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					
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	
BI					39	4Way 4Way valve	
BI					40	HotGas1 Hot Gas Bypass 1	
BI					41	HotGas2 Hot Gas Bypass2	
BI					42	MainCool Main Cooling	
BI					43	EEVlv EEV Valve	
BI					44	EviSol1 EVI Solenoid Valve1	
BI					45	EviSol2 EVI Solenoid Valve2	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
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					
PIV					01	OpMode	Operation Mode
PIV					02	OpStat	Operation Status
PIV					03	ErrCode	Error Code
PIV					04	Cap	Capacity [hp]
PIV					05	TrqFreq1	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 _p d [°C]
AI					10	LoPrs	Low Pressure [kg/cm2]
IV					11	SatTPs	Saturated T _p s [°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 Bypass 1
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					
PIV					01	OpMode	Operation Mode
PIV					02	OpStat	Operation Status
PIV					03	ErrCode	Error Code
PIV					04	Cap	Capacity [hp]
PIV					05	TrqFreq1	Target Frequency1 [Hz]
PIV					06	OrdFreq1	Order Frequency1 [Hz]
PIV					07	CurFreq1	Current Frequency1 [Hz]
PIV					08	TrqFreq2	Target Frequency2 [Hz]
PIV					09	OrdFreq2	Order Frequency2 [Hz]
PIV					10	CurFreq2	Current Frequency2 [Hz]
AI					11	HiPrs	High Pressure [kg/cm2]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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 Bypass 1
BI					39	HotGas2	Hot Gas Bypass 2
BI					40	MainCool	Main Cooling
BI					41	EEVlv	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	HotGasChrq	Hot Gas Charging
BI					49	FlwSw	Flow Switch
BI					50	2Wav	2Wav
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					
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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					
PIV					01	OpMode	Operation Mode
PIV					02	OpStat	Operation Status
PIV					03	ErrCode	Error Code
PIV					04	Cap	Capacity [hp]
PIV					05	TrqFreq1	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
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]



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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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

3.2.7.3 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 Jiq
9	FT Jiq
10	Test
11	Charge
12	Pump Down
13	Pump Out
14	Vaccum
15	Calory Jiq
16	PumpDownStop
17	Sub Stop
18	Check Pipe
19	Check Ref
20	FPT Jiq
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

3.2.8 Fujitsu

3.2.8.1 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	EnrqSv	Energy Save		

- Heat Recovery 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	EnrqSv	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		



3.2.8.2 Fujitsu PRO Outdoor Units

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

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	4WV1	4-way valve 1
BI					09	SV2	Solenoid valve 2
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, AJYLNNTBH, AJYLNNTCH, AJYLLALCH, AOULCV

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
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					19	TH2 [°C]	
IV					20	TH3 [°C]	
IV					21	TH4 [°C]	
IV					22	TH5 [°C]	
IV					23	TH6 [°C]	
IV					24	TH7 [°C]	
IV					25	TH8 [°C]	
IV					26	TH9 [°C]	
IV					27	TH10 [°C]	
IV					28	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]	
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		Index				
	VA						
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	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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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					
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 [PIs]	
PIV					32	EEV2 Electric expansion valve 2 [PIs]	

- **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					
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						
	VA	Index					
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]
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						
	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	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]



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

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

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



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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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, AJYLNLAH**

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
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				
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	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 [PIs]	
PIV				40	EEV2	Electric expansion valve 2 [PIs]	
PIV				41	EEV3	Electric expansion valve 3 [PIs]	

3.2.8.3 Fujitsu PRO Enumerated Parameters

- **Mode (Md)**



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

3.2.9 Midea

3.2.9.1 Midea PRO Indoor Units

• V5

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

3.2.9.2 Midea PRO Outdoor Units

• V6 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						Index
	VA						
PIV					01	Md Mode	
PIV					02	PreHt Preheat	
PIV					03	OiRet Oil Return	
PIV					04	Dfrst Defrosting	
PIV					05	MdOpPri Mode operation priority	
CSV					06	T2BAvg T2B Average [°C]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
PIV			07	SysDmnd	System Demand	
IV			08	HP	HP [hp]	
PIV			09	Fan1	Fan1	
PIV			10	Fan2	Fan2	
AI			11	HiPrs	H pressure [MPa]	
CSV			12	T6A	T6A [°C]	
CSV			13	T6B	T6B [°C]	
CSV			14	T4	T4 (outdoor ambient temperature) [°C]	
CSV			15	T3	T3 (condenser temperature) [°C]	
PIV			16	Tf1	Tf1	
PIV			17	Tf2	Tf2	
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]	
PIV			24	EXVA	EXVA (electronic expansion valve A)	
PIV			25	EXVB	EXVB	
PIV			26	EXVC	EXVB (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	
AI			37	Err	Error Code	
PIV			38	Dmnd	Demand	
PIV			39	SprHt	Superheat	

• V6 Slave

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
IV			01	HP	HP [hp]	
PIV			02	Fan1	Fan1	
PIV			03	Fan2	Fan2	
AI			04	HiPrs	H pressure [MPa]	
CSV			05	T6A	T6A [°C]	
CSV			06	T6B	T6B [°C]	
CSV			07	T4	T4 (outdoor ambient temperature) [°C]	
CSV			08	T3	T3 (condenser temperature) [°C]	
PIV			09	Tf1	Tf1	
PIV			10	Tf2	Tf2	
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)	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					18	EXVB	
PIV					19	EXVC	
PIV					20	CRANK1	
PIV					21	CRANK2	
PIV					22	SV4	
PIV					23	SV5	
PIV					24	SV6	
PIV					25	SV7	
PIV					26	SV8A	
PIV					27	SV8B	
PIV					28	SV9	
PIV					29	ST1	
AI					30	Err	
PIV					31	Dmnd	
PIV					32	SprHt	

• CR-HP Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	Md	
BI					02	PreHt	
PIV					03	OiRet	
PIV					04	Dfrst	
PIV					05	MdOpPri	
PIV					06	ShtRefSig	
PIV					07	OvrCon	
CSV					08	SysT4	
AI					09	SysHP	
PIV					10	SysLP	
PIV					11	MinDSH	
PIV					12	PrtChk	
PIV					13	FanStc	
PIV					14	SlntSt	
PIV					15	Ton	
PIV					16	Fan1	
PIV					17	Fan2	
AI					18	HiPrs	
PIV					19	LoPrs	
CSV					20	T4	
CSV					21	T3	
CSV					22	Tf	
CSV					23	Tc	
CSV					24	Te	
CSV					25	T71	
CSV					26	T72	
CSV					27	T5	
CSV					28	T7	
PIV					29	INV1	
PIV					30	INV2	
PIV					31	CUR1	
PIV					32	CUR2	
PIV					33	EXVAB	
PIV					34	EXVC	
PIV					35	CRANK1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					36	CRANK2	
PIV					37	SV4	
PIV					38	SV7	
PIV					39	ST1	
PIV					40	OnOff	
PIV					41	NqtSlnt	
AI					42	Err	
PIV					43	Dmnd	
AI					44	InvQty	

• CR-HP Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	Ton	
PIV					02	Fan1	
PIV					03	Fan2	
AI					04	HiPrs	
PIV					05	LoPrs	
CSV					06	T4 (outdoor ambient temperature) [°C]	
CSV					07	T3 (condenser temperature) [°C]	
CSV					08	Tf [°C]	
CSV					09	Tc [°C]	
CSV					10	Te [°C]	
CSV					11	T71 [°C]	
CSV					12	T72 [°C]	
CSV					13	T5 [°C]	
CSV					14	T7 [°C]	
PIV					15	INV1 (compressor 1 frequency) [rps]	
PIV					16	INV2 (compressor 2 frequency) [rps]	
PIV					17	CUR1 (current 1) [A]	
PIV					18	CUR2 (current 2) [A]	
PIV					19	EXVAB	
PIV					20	EXVC	
PIV					21	CRANK1	
PIV					22	CRANK2	
PIV					23	SV4	
PIV					24	SV7	
PIV					25	ST1	
PIV					26	OnOff	
PIV					27	NqtSlnt	
AI					28	Err	
PIV					29	Dmnd	
AI					30	InvQty	

• CR-HR Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	Md	
BI					02	PreHt	
PIV					03	OiRet	
PIV					04	Dfrst	
PIV					05	ShtRefSig	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					06	OvrCon Over connected	
CSV					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	
CSV					15	Tcs Tcs [°C]	
CSV					16	Tes Tes [°C]	
PIV					17	Ton Ton	
PIV					18	Fan1 Fan1	
PIV					19	Fan2 Fan2	
AI					20	HiPrs H pressure [MPa]	
PIV					21	LoPrs Low pressure [MPa]	
CSV					22	T4 T4 (outdoor ambient temperature) [°C]	
CSV					23	T3A T3A [°C]	
CSV					24	T3C T3C [°C]	
CSV					25	Tf Tf [°C]	
CSV					26	Tc Tc [°C]	
CSV					27	Te Te [°C]	
CSV					28	T71 T71 [°C]	
CSV					29	T72 T72 [°C]	
CSV					30	T5 T5 [°C]	
CSV					31	T6 T6 [°C]	
CSV					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	
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	
AI					46	Err Error Code	
PIV					47	Dmnd Demand	
AI					48	InvQty INV Qty	
IV					49	HexStp HEXStep	

• CR-HR Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	Ton Ton	
PIV					02	Fan1 Fan1	
PIV					03	Fan2 Fan2	
AI					04	HiPrs H pressure [MPa]	
PIV					05	LoPrs Low pressure [MPa]	
CSV					06	T4 T4 (outdoor ambient temperature) [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
CSV					07	T3A [°C]	
CSV					08	T3C [°C]	
CSV					09	Tf [°C]	
CSV					10	Tc [°C]	
CSV					11	Te [°C]	
CSV					12	T71 [°C]	
CSV					13	T72 [°C]	
CSV					14	T5 [°C]	
CSV					15	T6 [°C]	
CSV					16	T7 [°C]	
PIV					17	INV1 (compressor 1 frequency) [rps]	
PIV					18	INV2 (compressor 2 frequency) [rps]	
PIV					19	CUR1 (current 1) [A]	
PIV					20	CUR2 (current 2) [A]	
PIV					21	CRANK1	
PIV					22	CRANK2	
PIV					23	SV4	
PIV					24	SV5	
PIV					25	SV6	
PIV					26	SV7	
PIV					27	ST1	
PIV					28	OnOff	
PIV					29	NatSlnt	
AI					30	Err	
PIV					31	Dmnd	
AI					32	InvQty	
IV					33	HexStp	

• CR-Mini Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	Md Mode	
PIV					02	OiRet Oil Return	
PIV					03	Dfrst Defrosting	
CSV					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 H pressure [MPa]	
CSV					12	T4 (outdoor ambient temperature) [°C]	
CSV					13	T3 (condenser temperature) [°C]	
CSV					14	Tf [°C]	
CSV					15	Tc [°C]	
CSV					16	T5 [°C]	
PIV					17	INV1 (compressor 1 frequency) [rps]	
PIV					18	CUR1 (current 1) [A]	
PIV					19	EXVA (electronic expansion valve A)	
PIV					20	CRANK1	
PIV					21	SV4	
PIV					22	SV5	
PIV					23	SV6	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					24	ST1	
PIV					25	OnOff	
AI					26	Err	
PIV					27	Dmnd	
AI					28	InvQty	

• CR-Mini Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	Ton	
PIV					02	Fan1	
PIV					03	Fan2	
AI					04	HiPrs	
CSV					05	T4	
CSV					06	T3	
CSV					07	Tf	
CSV					08	Tc	
CSV					09	T5	
PIV					10	INV1	
PIV					11	CUR1	
PIV					12	EXVA	
PIV					13	CRANK1	
PIV					14	SV4	
PIV					15	SV5	
PIV					16	SV6	
PIV					17	ST1	
PIV					18	OnOff	
AI					19	Err	
PIV					20	Dmnd	
AI					21	InvQty	

• V8 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	Md	
AI					02	SysFT	
AI					03	TeMin	
AI					04	TcMax	
AI					05	TPMax	
AI					06	T4Min	
AI					07	DSHMin	
AI					08	SHS	
AI					09	SCS	
AI					10	Tcs	
AI					11	Tes	
AI					12	T2/T2B	
AI					13	TPMin	
PIV					14	StatPrSet	
PIV					15	SMd	
PIV					16	CapOM	
PIV					17	SMdSt	
PIV					18	SMdTp	



Object Identifier bits					Short Name	Object Description		
Type	31	22	21	8			7	0
					VA	Index		
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	
AI					30	Err	Error Code	
AI					31	OpEngNd	Operating energy need	
AI					32	ComFr1	Compressor 1 frequency (Hz) [Hz]	
AI					33	ComFr2	Compressor 2 frequency (Hz) [Hz]	
AI					34	FnSpd1	Fan 1 speed (rpm) [rpm]	
AI					35	FnSpd2	Fan 2 speed (rpm) [rpm]	
AI					36	EXVA	EXVA (pls) [pls]	
AI					37	EXVB	EXVB (pls) [pls]	
AI					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	Tq	Tq [°C]	
AI					54	T71	T71 [°C]	
AI					55	T72	T72 [°C]	
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]	
AI					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	
IV					69	HP	HP [hp]	
IV					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	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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		
Type	Instance		Index			
	VA					
AI			01	Err	Error Code	
AI			02	OpEngNd	Operating energy need	
AI			03	ComFr1	Compressor 1 frequency (Hz) [Hz]	
AI			04	ComFr2	Compressor 2 frequency (Hz) [Hz]	
AI			05	FnSpd1	Fan 1 speed (rpm) [rpm]	
AI			06	FnSpd2	Fan 2 speed (rpm) [rpm]	
AI			07	EXVA	EXVA (pls) [pls]	
AI			08	EXVB	EXVB (pls) [pls]	
AI			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]	
AI			22	T8	T8 [°C]	
AI			23	T9	T9 [°C]	
AI			24	Tq	Tq [°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]	
AI			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	
IV			40	HP	HP [hp]	
IV			41	HPN	HP on nameplate (Hp) [hp]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type		Instance				
		VA	Index			
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	

3.2.9.3 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
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



Value	Description
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

3.2.10 Toshiba

Enter topic text here.

3.2.10.1 Toshiba PRO Indoor Units

Object Identifier bits					Short Name	Object Description
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]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
AI			12		TA	Room Temp(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]

3.2.10.2 Toshiba SMMSu PRO Indoor Units

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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	Room Temp(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

3.2.10.3 Toshiba PRO Outdoor Units

- SMMS Header

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI			01		StPri	Starting Priority
PIV			02		HP	Outdoor Unit HP
PIV			03		Comp(1)	Comp(1) Hz [Hz]
PIV			04		Comp(2)	Comp(2) Hz [Hz]
AI			05		FanMode	Outdoor Unit FanMode
PIV			06		4wayVlv	4way Valve
AI			07		Pd[psi]	Pd:High Pressure [PSI]
AI			08		Ps[psi]	Ps:Low Pressure [PSI]
PIV			09		TD1	TD1 Discharge Temp [°C]
PIV			10		TD2	TD2 Discharge Temp [°C]
AI			11		TE	TE:Heat Exchanger Temp [°C]
AI			12		TL	TL:Liquid Pipe Temp [°C]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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]	
PIV			17	TK1	TK1:Oil Temp1 [°C]	
PIV			18	TK2	TK2:Oil Temp2 [°C]	
PIV			19	TK3	TK3:Oil Temp3 [°C]	
PIV			20	TK4	TK4:Oil Temp4 [°C]	
AI			21	CheckCd1	Check Code1	
IV			22	CheckCd2	Check Code2	
IV			23	OilLvCk1	Oil Level Check1	
IV			24	OilLvCk2	Oil Level Check2	
PIV			25	CompBUp1	Comp BackUp1	
PIV			26	CompBUp2	Comp BackUp2	
IV			27	I1	I1 [A]	
IV			28	I2	I2 [A]	
AI			29	PMV1+2	Pulse Motor Valve1+2	
PIV			30	SV2	SV2:Hot Gas Bypass	
PIV			31	SV5	SV5 ON/OFF	
PIV			32	SV3A	SV3A:Oil Supply ON/OFF	
PIV			33	SV3B	SV3B:Oil Return ON/OFF	
PIV			34	SV3C	SV3C:Gas Pressure ON/OFF	
PIV			35	SV3D	SV3D:Separator Open	
PIV			36	SV3E	SV3E:Oil Balance ON/OFF	
PIV			37	SV41	SV41:Comp Start Assist	
PIV			38	SV42	SV42:Comp Start Assist	

• SMMS Follower

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
IV			01	HP	Outdoor Unit HP	
PIV			02	StPri	Starting Priority	
PIV			03	Comp(1)	Comp(1) Hz [Hz]	
PIV			04	Comp(2)	Comp(2) Hz [Hz]	
AI			05	FanMode	Outdoor Unit FanMode	
PIV			06	4wayVlv	4way Valve	
PIV			07	Pd[psi]	Pd:High Pressure [PSI]	
PIV			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]	
PIV			19	OilLvCk1	Oil Level Check1	
PIV			20	OilLvCk2	Oil Level Check2	
IV			21	I1	Follower I1 [A]	
IV			22	I2	Follower I2 [A]	
AI			23	PMV1+2	Pulse Motor Valve1+2	
PIV			24	SV2	SV2:Hot Gas Bypass	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
PIV			25	SV5	SV5 ON/OFF	
PIV			26	SV3A	SV3A:Oil Supply ON/OFF	
PIV			27	SV3B	SV3B:Oil Return ON/OFF	
PIV			28	SV3C	SV3C:Gas Pressure ON/OFF	
PIV			29	SV3D	SV3D:Separator Open	
PIV			30	SV3E	SV3E:Oil Balance ON/OFF	
PIV			31	SV41	SV41:Comp Start Assist	
PIV			32	SV42	SV42:Comp Start Assist	

• SMMSe Header

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
BI			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	FanMode	Outdoor Unit FanMode	
PIV			06	4wayVlv	4way Valve	
AI			07	Pd[psi]	Pd:High Pressure [PSI]	
AI			08	Ps[psi]	Ps:Low Pressure [PSI]	
BI			09	TD1	TD1 Discharge Temp [°C]	
BI			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]	
PIV			18	TG1	TG1:Gas.Temp [°C]	
PIV			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]	
PIV			23	TK1	TK1:Oil Temp1 [°C]	
PIV			24	TK2	TK2:Oil Temp2 [°C]	
PIV			25	TK4	TK4:Oil Temp4 [°C]	
PIV			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]	
AI			31	CheckCd1	Check Code1	
IV			32	CheckCd2	Check Code2	
IV			33	OilLvCk1	Oil Level Check1	
IV			34	OilLvCk2	Oil Level Check2	
PIV			35	CompBUp1	Comp BackUp1	
PIV			36	CompBUp2	Comp BackUp2	
AI			37	I1	I1 [A]	
AI			38	I2	I2 [A]	
AI			39	PMV1	Pulse Motor Valve1 [pls]	
AI			40	PMV3	Pulse Motor Valve3 [pls]	
AI			41	PMV4	Pulse Motor Valve4 [pls]	
PIV			42	SV2	SV2:Hot Gas Bypass	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					43	SV3A:Oil Supply ON/OFF	
PIV					44	SV3B:Oil Return ON/OFF	
PIV					45	SV3C:Gas Pressure ON/OFF	
PIV					46	SV3D:Separator Open	
PIV					47	SV3E:Oil Balance ON/OFF	
PIV					48	SV41:Comp Start Assist	
PIV					49	SV42:Comp Start Assist	
PIV					50	AccHeat Accumulator Heater	
PIV					51	Co1Heat Comp1 Heater	
PIV					52	Co2Heat Comp2 Heater	
PIV					53	SV51 SV51	
PIV					54	SV52 SV52	
PIV					55	CFoStop1 Comp Forced Stop1	
PIV					56	CFoStop2 Comp Forced Stop2	

• SMMSe Follower

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV					01	HP Outdoor Unit HP	
PIV					02	StPri Starting Priority	
AI					03	Comp(1) Comp(1) Hz [Hz]	
AI					04	Comp(2) Comp(2) Hz [Hz]	
AI					05	FanMode Outdoor Unit FanMode	
PIV					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	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]	
PIV					26	OilLvCk1 Oil Level Check1	
PIV					27	OilLvCk2 Oil Level Check2	
AI					28	I1 I1 [A]	
AI					29	I2 I2 [A]	
AI					30	PMV1 Pulse Motor Valve1 [pls]	
AI					31	PMV3 Pulse Motor Valve3 [pls]	
AI					32	PMV4 Pulse Motor Valve4 [pls]	
PIV					33	SV2 SV2:Hot Gas Bypass	
PIV					34	SV3A SV3A:Oil Supply ON/OFF	
PIV					35	SV3B SV3B:Oil Return ON/OFF	
PIV					36	SV3C SV3C:Gas Pressure ON/OFF	



Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
PIV					37	SV3D	SV3D:Separator Open
PIV					38	SV3E	SV3E:Oil Balance ON/OFF
PIV					39	SV41	SV41:Comp Start Assist
PIV					40	SV42	SV42:Comp Start Assist
PIV					41	AccHeat	Accumulator Heater
PIV					42	Co1Heat	Comp1 Heater
PIV					43	Co2Heat	Comp2 Heater
PIV					44	SV51	SV51
PIV					45	SV52	SV52
PIV					46	CFoStop1	Comp Forced Stop1
PIV					47	CFoStop2	Comp Forced Stop2
PIV					48	CompBUp1	Comp BackUp1
PIV					49	CompBUp2	Comp BackUp2

• SMMS-Mini

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type	Instance						
	VA	Index					
AI					01	HP	Outdoor Unit HP
AI					02	Comp(1)	Comp(1) Hz [Hz]
AI					03	FanMode	Outdoor Unit FanMode
PIV					04	4wayVlv	4way Valve
AI					05	Pd[psi]	Pd:High Pressure [PSI]
AI					06	Ps[psi]	Ps:Low Pressure [PSI]
BI					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]
AI					14	CheckCd1	Check Code1
IV					15	CheckCd2	Check Code2
AI					16	MCUver	MCU Version
AI					17	I1	I1 [A]
AI					18	PMV1	Pulse Motor Valve1 [pls]
PIV					19	SV2	SV2:Hot Gas Bypass
PIV					20	SV3A	SV3A:Oil Supply ON/OFF
PIV					21	SV5	SV5 ON/OFF
PIV					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]
PIV					26	TK1	TK1:Oil Temp1 [°C]
AI					27	PMV4	Pulse Motor Valve4 [pls]

• SHRMe

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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
AI				05	FanMode	Outdoor Unit FanMode
PIV				06	4wayVlv	4way Valve
AI				07	Pd[psi]	Pd:High Pressure [PSI]
AI				08	Ps[psi]	Ps:Low Pressure [PSI]
BI				09	TD1	TD1 Discharge Temp [°C]
BI				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]
PIV				20	TK1	TK1:Oil Temp1 [°C]
PIV				21	TK2	TK2:Oil Temp2 [°C]
PIV				22	TK4	TK4:Oil Temp4 [°C]
PIV				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]
AI				27	CheckCd1	Check Code1
IV				28	CheckCd2	Check Code2
IV				29	OilLvCk1	Oil Level Check1
IV				30	OilLvCk2	Oil Level Check2
PIV				31	CompBUp1	Comp BackUp1
PIV				32	CompBUp2	Comp BackUp2
AI				33	I1	I1 [A]
AI				34	I2	I2 [A]
AI				35	I3	I3 [A]
AI				36	PMV1	Pulse Motor Valve1 [pls]
AI				37	PMV3	Pulse Motor Valve3 [pls]
AI				38	PMV4	Pulse Motor Valve4 [pls]
PIV				39	SV2	SV2:Hot Gas Bypass
PIV				40	SV3A	SV3A:Oil Supply ON/OFF
PIV				41	SV3B	SV3B:Oil Return ON/OFF
PIV				42	SV3C	SV3C:Gas Pressure ON/OFF
PIV				43	SV3D	SV3D:Separator Open
PIV				44	SV3E	SV3E:Oil Balance ON/OFF
PIV				45	SV41	SV41:Comp Start Assist
PIV				46	SV42	SV42:Comp Start Assist
PIV				47	SV51	SV51
PIV				48	SV52	SV52
PIV				49	CFoStop1	Comp Forced Stop1
PIV				50	CFoStop2	Comp Forced Stop2
PIV				51	SV61	SV61
PIV				52	SV11	SV11
PIV				53	SV12	SV12

• **SHRMe**

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
IV				01	HP	Outdoor Unit HP



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					02	StPri	Starting Priority
AI					03	Comp(1)	Comp(1) Hz [Hz]
AI					04	Comp(2)	Comp(2) Hz [Hz]
AI					05	FanMode	Outdoor Unit FanMode
PIV					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]
PIV					22	OilLvCk1	Oil Level Check1
PIV					23	OilLvCk2	Oil Level Check2
AI					24	I1	I1 [A]
AI					25	I2	I2 [A]
AI					26	PMV1	Pulse Motor Valve1 [pls]
AI					27	PMV3	Pulse Motor Valve3 [pls]
AI					28	PMV4	Pulse Motor Valve4 [pls]
PIV					29	SV2	SV2:Hot Gas Bypass
PIV					30	SV3A	SV3A:Oil Supply ON/OFF
PIV					31	SV3B	SV3B:Oil Return ON/OFF
PIV					32	SV3C	SV3C:Gas Pressure ON/OFF
PIV					33	SV3D	SV3D:Separator Open
PIV					34	SV3E	SV3E:Oil Balance ON/OFF
PIV					35	SV41	SV41:Comp Start Assist
PIV					36	SV42	SV42:Comp Start Assist
PIV					37	SV51	SV51
PIV					38	SV52	SV52
PIV					39	SV61	SV61
PIV					40	SV11	SV11
PIV					41	SV12	SV12
PIV					42	SV14	SV14
PIV					43	SV15	SV15
PIV					44	CFoStop1	Comp Forced Stop1
PIV					45	CFoStop2	Comp Forced Stop2
PIV					46	CompBUp1	Comp BackUp1
PIV					47	CompBUp2	Comp BackUp2

• SMMSi

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					01	StPri	Starting Priority
AI					02	HP	Outdoor Unit HP
AI					03	Comp(1)	Comp(1) Hz [Hz]
AI					04	Comp(2)	Comp(2) Hz [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					05	Comp(3)	Comp(3) Hz [Hz]
AI					06	FanMode	Outdoor Unit FanMode
PIV					07	4wayVlv	4way Valve
AI					08	Pd[psi]	Pd:High Pressure [PSI]
AI					09	Ps[psi]	Ps:Low Pressure [PSI]
PIV					10	TD1	TD1 Discharge Temp [°C]
PIV					11	TD2	TD2 Discharge Temp [°C]
PIV					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]
PIV					20	TK1	TK1:Oil Temp1 [°C]
PIV					21	TK2	TK2:Oil Temp2 [°C]
PIV					22	TK3	TK3:Oil Temp3 [°C]
PIV					23	TK4	TK4:Oil Temp4 [°C]
PIV					24	TK5	TK5:Oil Temp5 [°C]
AI					25	TH1	TH1:Comp1 IGBT Temp [°C]
AI					26	TH2	TH2:Comp2 IGBT Temp [°C]
AI					27	CheckCd1	Check Code1
IV					28	CheckCd2	Check Code2
IV					29	OilLvCk1	Oil Level Check1
IV					30	OilLvCk2	Oil Level Check2
IV					31	OilLvCk3	Oil Level Check [xx][xx][OK] (byte)
PIV					32	CFoStop1	Comp Forced Stop1
PIV					33	CFoStop2	Comp Forced Stop2
PIV					34	CFoStop3	Comp Forced Stop3
PIV					35	CompBUp1	Comp BackUp1
PIV					36	CompBUp2	Comp BackUp2
PIV					37	CompBUp3	Comp BackUp3 [xx][xx][ON]
AI					38	I1	I1 [A]
AI					39	I2	I2 [A]
AI					40	I3	I3 x 100 [A]
AI					41	PMV1	Pulse Motor Valve1 [pls]
AI					42	PMV4	Pulse Motor Valve4 [pls]
PIV					43	SV2	SV2:Hot Gas Bypass
PIV					44	SV3A	SV3A:Oil Supply ON/OFF
PIV					45	SV3B	SV3B:Oil Return ON/OFF
PIV					46	SV3C	SV3C:Gas Pressure ON/OFF
PIV					47	SV3D	SV3D:Separator Open
PIV					48	SV3E	SV3E:Oil Balance ON/OFF
PIV					49	SV41	SV41:Comp Start Assist
PIV					50	SV42	SV42:Comp Start Assist
PIV					51	SV43	SV43:Comp Start Assist
PIV					52	SV61	SV61

• SMMSi

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
IV					01	HP	Outdoor Unit HP
PIV					02	StPri	Starting Priority



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA		Index			
AI				03	Comp(1)	Comp(1) Hz [Hz]
AI				04	Comp(2)	Comp(2) Hz [Hz]
AI				05	FanMode	Outdoor Unit FanMode
PIV				06	4wayVlv	4way Valve
PIV				07	Pd[psi]	Pd:High Pressure [PSI]
PIV				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]
PIV				20	OilLvCk1	Oil Level Check1
PIV				21	OilLvCk2	Oil Level Check2
AI				22	I1	I1 [A]
AI				23	I2	I2 [A]
AI				24	PMV1	Pulse Motor Valve1 [pls]
PIV				25	SV2	SV2:Hot Gas Bypass
PIV				26	SV3A	SV3A:Oil Supply ON/OFF
PIV				27	SV3B	SV3B:Oil Return ON/OFF
PIV				28	SV3C	SV3C:Gas Pressure ON/OFF
PIV				29	SV3D	SV3D:Separator Open
PIV				30	SV3E	SV3E:Oil Balance ON/OFF
PIV				31	SV3F	SV3F:Oil Balance ON/OFF
PIV				32	SV41	SV41:Comp Start Assist
PIV				33	SV42	SV42:Comp Start Assist
PIV				34	SV43	SV43:Comp Start Assist
PIV				35	SV51	SV51
PIV				36	SV61	SV61
PIV				37	CFoStop1	Comp Forced Stop1
PIV				38	CFoStop2	Comp Forced Stop2
PIV				39	CompBUUp1	Comp BackUp1
PIV				40	CompBUUp2	Comp BackUp2

3.2.10.4 Toshiba PRO Outdoor Systems

- SMMS

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA		Index			
BI				01	LineAddr	Line Address
AI				02	CapCtrl	Capacity Control [%]
PIV				03	OilRecC	Oil Recovery(Cool)
PIV				04	OilRecH	Oil Recovery(Heat)
PIV				05	CStart	Cooling Start
PIV				06	HStart	Heating Start
PIV				07	Defrost	Defrost
PIV				08	OilEqCt	Oil Equalizing Control
AI				09	Demand	Demand [%]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					10	SndRedCt	Sound Reduction Control
PIV					11	SnowFnCt	Snowfall Fan Control
AI					12	StopKeep	Stop Keep Timer
IV					13	OnStrtHH	On Time From Start [hh] [hr]
IV					14	OnStrtMM	On Time From Start [mm] [min]
AI					15	TotalCon	Indoor Total Connect
PIV					16	DownCtrl	Capacity Down Control
PIV					17	UpCtrl	Capacity Up Control *
PIV					18	StartCtr	Start Control
PIV					19	HiPrsRel	High Pressure Release
PIV					20	LoPrsRel	Low Pressure Release
PIV					21	OilProt	Oil Dilution Protect
IV					22	InvCurRI	INV Current Release * [A]

• SMMSe, SHRMe

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					01	LineAddr	Line Address
AI					02	CapCtrl	Capacity Control [%]
PIV					03	OilRecC	Oil Recovery(Cool)
PIV					04	OilRecH	Oil Recovery(Heat)
PIV					05	CStart	Cooling Start
PIV					06	HStart	Heating Start
PIV					07	Defrost	Defrost
PIV					08	OilEqCt	Oil Equalizing Control
PIV					09	SndRedCt	Sound Reduction Control
PIV					10	SnowFnCt	Snowfall Fan Control
PIV					11	DownCtrl	Capacity Down Control
PIV					12	UpCtrl	Capacity Up Control *
PIV					13	OCapCtrl	Odu Capacity Ctrl
AI					14	StopKeep	Stop Keep Timer
IV					15	OnStrtHH	On Time From Start [hh] [hr]
IV					16	OnStrtMM	On Time From Start [mm] [min]
IV					17	OnStrtSS	On Time From Start [ss]
AI					18	TotalCon	Indoor Total Connect
AI					19	InvCurRI	INV Current Release * [A]
PIV					20	HiPrsRel	High Pressure Release
PIV					21	DschTRel	Discharge Temp Release
PIV					22	CoolStop	Cool Stop(amb temp low)
PIV					23	HeatStop	Heat Stop(amb temp hi)
PIV					24	SV2Start	SV2 Start Control
PIV					25	SV2HPRel	SV2 High Pressure Release
PIV					26	SV2LPRel	SV2 Low Pressure Release
PIV					27	SV2OilPr	SV2 Oil Dilution Protect
AI					28	TotCtStp	Odu Capacity Tot.Ctrl(step)
AI					29	Demand	Demand [%]

• SMMS-Mini

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
BI					01	LineAddr	Line Address
AI					02	CapCtrl	Capacity Control [%]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					03	OilRecC	Oil Recovery(Cool)
PIV					04	OilRecH	Oil Recovery(Heat)
PIV					05	CStart	Cooling Start
PIV					06	HStart	Heating Start
PIV					07	Defrost	Defrost
AI					08	OilEqCt	Oil Equalizing Control
PIV					09	SnowFnCt	Snowfall Fan Control
PIV					10	DownCtrl	Capacity Down Control
PIV					11	UpCtrl	Capacity Up Control *
PIV					12	OCapCtrl	Odu Capacity Ctrl
AI					13	Demand	Demand [%]
AI					14	StopKeep	Stop Keep Timer
IV					15	OnStrtHH	On Time From Start [hh] [hr]
IV					16	OnStrtMM	On Time From Start [mm] [min]
AI					17	TotalCon	Indoor Total Connect
IV					18	InvCurRI	INV Current Release * [A]
PIV					19	HiPrsRel	High Pressure Release
PIV					20	DschTRel	Discharge Temp Release
PIV					21	CoolStop	Cool Stop(amb temp low)
PIV					22	HeatStop	Heat Stop(amb temp hi)
PIV					23	SV2Start	SV2 Start Control
PIV					24	SV2HPRel	SV2 High Pressure Release
AI					25	SV2LPRel	SV2 Low Pressure Release
PIV					26	SV2OilPr	SV2 Oil Dilution Protect
PIV					27	LoFanOp	Low Fan Operation
PIV					28	HtSinkRI	Heat sink overheat release
AI					29	TotCtStp	Odu Capacity Tot.Ctrl(step)

• SMMSi

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					01	LineAddr	Line Address
AI					02	CapCtrl	Capacity Control [%]
PIV					03	OilRecC	Oil Recovery(Cool)
PIV					04	OilRecH	Oil Recovery(Heat)
PIV					05	CStart	Cooling Start
PIV					06	HStart	Heating Start
PIV					07	Defrost	Defrost
PIV					08	OilEqCt	Oil Equalizing Control
PIV					09	SndRedCt	Sound Reduction Control
PIV					10	SnowFnCt	Snowfall Fan Control
PIV					11	DownCtrl	Capacity Down Control
PIV					12	UpCtrl	Capacity Up Control *
PIV					13	OCapCtrl	Odu Capacity Ctrl
AI					14	StopKeep	Stop Keep Timer
IV					15	OnStrtHH	On Time From Start [hh] [hr]
IV					16	OnStrtMM	On Time From Start [mm] [min]
IV					17	OnStrtSS	On Time From Start [ss]
AI					18	TotalCon	Indoor Total Connect
AI					19	InvCurRI	INV Current Release * [A]
PIV					20	HiPrsRel	High Pressure Release
PIV					21	DschTRel	Discharge Temp Release
PIV					22	CoolStop	Cool Stop(amb temp low)
PIV					23	HeatStop	Heat Stop(amb temp hi)



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA		Index			
PIV				24	SV2Start	SV2 Start Control
PIV				25	SV2HPRel	SV2 High Pressure Release
PIV				26	SV2LPRel	SV2 Low Pressure Release
PIV				27	SV2OilPr	SV2 Oil Dilution Protect
AI				28	TotCtStp	Odu Capacity Tot.Ctrl(step)
AI				29	Demand	Demand [%]

3.2.10.5 Toshiba SMMSu PRO Outdoor Units

- SMMSu

Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Instance						
Type	VA		Index			
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
BI				10	CompBUUp1	Comp BackUp1
BI				11	CompBUUp2	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					42	TL3: Liquid Pipe Temp [°C]	
AI					43	TO Outdoor Air Temp [°C]	
AI					44	TH1: Comp1 IGBT Temp [°C]	
AI					45	TH2: Comp2 IGBT Temp [°C]	
AI					46	THF1: Fan Motor1 IGBT Temp [°C]	
AI					47	THF2: Fan Motor1 IGBT Temp [°C]	
AI					48	I1 [A]	
AI					49	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)	
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	

3.2.10.6 Toshiba SMMSu PRO Outdoor Systems

- SMMSu

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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7		
Type	Instance		Index			
	VA					
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

3.2.10.7 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



Value	Description
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
9	Med
10	Low
11	Low
12	Ultra Low
13	Ultra Low

3.2.10.8 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



Value	Description
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
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



Value	Description
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.