

# BACnet Integration Guidelines

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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.

CoolMasterNet BACnet MS/TP Connection



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.

CooLinkNet/CooLinkHub/CooLinkBridge BACnet MS/TP Connection



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

### 1.2 BACnet IP Connection

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



## 2 Configuration

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

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

### 2.1 BACnet MS/TP Configuration

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: M1M2 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				Object Description
Type		Instance		
		VA	Index	
AI			00	Room Temperature
AV			00	Set Temperature
BI			00	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	Demand State (Therm_ON)
BI			02	External Terminals Status
BV			00	ON/OFF
BV			01	Filter Sign
BV			02	Lock (prohibit) ON/OFF change from WRC
BV			03	Lock (prohibit) Operation Mode change from WRC
BV			04	Lock (prohibit) Set Temperature change from WRC
BV			05	Global Lock (prohibit)
MV			00	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	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	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	Same as Operation Mode with addition of 33 - OFF (Turn off). (CoolMasterNet Version 0.8.0 or higher)
PIV			00	Set Temperature low limit
PIV			01	Set Temperature high limit





## 3.2 PRO Functionality

### 3.2.1 DK (Daikin)

#### 3.2.1.1 DK PRO Indoor Units

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

#### 3.2.1.2 DK PRO Outdoor Systems

##### • VRV4S1

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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	ResrStby	Restart stand-by
BI				12	BkpOp	Backup ope.
PIV				13	DmndState	Demand state

##### • VRV4S2

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]



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

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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 x 0.1

### • VRVX

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]
CSV				06	ErrCode	Error code
BI				07	Cool	Cooling



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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 x 0.1

### • VRV3DENV(RXYRQ8-18P7W1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°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

### • MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV					05	TrgtCndT	Target Condensing T [°C]
CSV					06	ErrCode	Error code
BI					07	Cool	Cooling
BI					08	Heat	Heating
BI					09	Vent	Ventilation



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
BI				10	TstatOn	Thermostat ON
BI				11	ResrtStby	Restart stand-by
BI				12	Dfrst	Defrost
BI				13	StrtupCtl	Startup control
BI				14	BkpOp	Backup ope.
BI				15	CoolHeatPrll	Cool/Heat parallel ope.
BI				16	OiRtrn	Oil return
PIV				17	DmndState	Demand state
PIV				18	OpCtlMod	Operation control mode
AI				19	TstatOnCap	I/U thermostat ON capacity x 0.1
AI				20	PwrCons	Outdoor unit power consumption x 0.1 [kW]
AI				21	CoolCap	Outdoor unit cooling capacity x 0.1 [kW]
AI				22	HeatCap	Outdoor unit heating capacity x 0.1 [kW]

- mini-VRV

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]
CSV				06	ErrCode	Error code
BI				07	Cool	Cooling
BI				08	Heat	Heating
BI				09	Vent	Ventilation
BI				10	TstatOn	Thermostat ON
BI				11	ResrtStby	Restart stand-by
BI				12	BkpOp	Backup ope.
PIV				13	DmndState	Demand state

- VRV-3S

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]
CSV				06	ErrCode	Error code
BI				07	Cool	Cooling



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

#### • VRV4S-US(RXTQ)

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]
CSV				06	ErrCode	Error code
BI				07	Cool	Cooling
BI				08	Heat	Heating
BI				09	Vent	Ventilation
BI				10	TstatOn	Thermostat ON
BI				11	ResrtStby	Restart stand-by
BI				12	BkpOp	Backup ope.
PIV				13	DmndState	Demand state

#### • VRV-K(RSEYP8-10KJ)

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
CSV				00	Type	Outdoor System Type Name
PIV				01	AirNet	AirNet Addr.
CSV				02	ErrCode	Error code
IV				03	AmbT	Ambient temperature [°C]
IV				04	HexT1	Heat exchanger temp. 1 [°C]
IV				05	HexT2	Heat exchanger temp. 2 [°C]
PIV				06	DschTInv	Disch. temp.(INV) [°C]
PIV				07	DschTStd	Disch. temp.(STD) [°C]
IV				08	SuctPipT1	Suction pipe temp. 1 [°C]
IV				09	SuctPipT2	Suction pipe temp. 2 [°C]
IV				10	OiT	Oil temp. [°C]
AI				11	EvT	Evaporating Temperature [°C]
AI				12	CndT	Condensing Temperature [°C]
PIV				13	InvFrq	Inverter frequency [Hz]
PIV				14	InvCur	Inverter current [A]



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

#### • VRV-M(REYQ8-48M)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV				01	AirNet	AirNet Addr.	
PIV				02	SysHP	System HP [hp]	
AI				03	SysCur	System Current x 0.1 [A]	
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]	
PIV				05	TrgtCndT	Target Condensing T [°C]	
CSV				06	ErrCode	Error code	



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

• 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				
CSV				00	Type	Outdoor System Type Name
PIV				01	AirNet	AirNet Addr.
PIV				02	SysHP	System HP [hp]
AI				03	SysCur	System Current x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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 x 0.1

• VRV4-us(RELQ,RXLQ)

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]
CSV				06	ErrCode	Error code



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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 x 0.1

### • VRV-3R

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°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

### • VRV3C

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV					05	TrgtCndT	Target Condensing T [°C]
CSV					06	ErrCode	Error code





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

### • VRV-5R(REYQ\*\*TAY1)

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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 x 0.1

### • VRV-4R

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]
CSV				06	ErrCode	Error code



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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 x 0.1

• **VRV5-A/X (RXYP140-1500D)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°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 x 0.1

• **VRV6-A/X(F) (RXYP224-1500F)**

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
AI					03	SysCur	System Current x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°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 x 0.1

#### • VRV-M

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV					05	TrgtCndT	Target Condensing T [°C]
CSV					06	ErrCode	Error code
BI					07	Cool	Cooling
BI					08	Heat	Heating
BI					09	Vent	Ventilation
BI					10	TstatOn	Thermostat ON
BI					11	ResrtStby	Restart stand-by
BI					12	BkpOp	Backup ope.
PIV					13	DmndState	Demand state

#### • VRV-2MA

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	CSV						
PIV					01	AirNet	AirNet Addr.
PIV					02	SysHP	System HP [hp]
AI					03	SysCur	System Current x 0.1 [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV					05	TrgtCndT	Target Condensing T [°C]
CSV					06	ErrCode	Error code
BI					07	Cool	Cooling
BI					08	Heat	Heating
BI					09	Vent	Ventilation
BI					10	TstatOn	Thermostat ON
BI					11	ResrtStby	Restart stand-by
BI					12	BkpOp	Backup ope.
PIV					13	DmndState	Demand state

### • VRV-3P

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 x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°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

### • VRV4-EU

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 x 0.1 [A]
AI					04	TrgtEvT	Target Evaporation T x 0.1 [°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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
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 x 0.1

### • VRV5C-DIT(RXQ12AYM)

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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 x 0.1

### • 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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°C]
PIV				05	TrgtCndT	Target Condensing T [°C]
CSV				06	ErrCode	Error code



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
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-3W-WATER(RWEYQ8-30P)

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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

### • VRV3C2-WATER(RWEYP\*\*\*PCTJ)

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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



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-4W-WATER(RWEYQ8-10T7Y1B)**

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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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

• **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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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 x 0.1



• **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 x 0.1 [A]
AI				04	TrgtEvT	Target Evaporation T x 0.1 [°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

• **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 x 0.1 [°C]
AI				05	SysCur	System Current x 0.1 [A]
PIV				06	SysHP	System HP [hp]
BI				07	Cool	Cooling
BI				08	Heat	Heating
BI				09	Fan	FAN
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	LiqLvIRsvr1	1-Y7S:Liquid Level Of Receiver
BI				17	ToReqRefReg1	1-Y14S:Take Out Requid From Refrigerant Regulator
BI				18	SupGasRefReg1	1-Y13S: Supply Gas Into Refrigerant Regulator
BI				19	SupReqRfrgReg1	1-Y12S:Supply Requid Into Refrigerant Regulator
BI				20	GasPrgRfrgReg1	1-Y11S:Gas Purge Of Refrigerant Regulator
BI				21	ByPEIExpVlv1	1-Y10S:Bypass Of Main Electronic Expansion Valve





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					22	OutlOilReg1	1-Y9S:Outlet Of Oil Regulator
BI					23	Bypass2	2-Y2S:Bypass
BI					24	InltMixUn2	2-Y4S:Inlet Of Mixing Unit
BI					25	LiqLvIRsvr2	2-Y7S:Liquid Level Of Receiver
BI					26	ToReqRefReg2	2-Y14S:Take Out Requid From Refrigerant Regulator
BI					27	SupGasRefReg2	2-Y13S: Supply Gas Into Refrigerant Regulator
BI					28	SupReqRfrgReg2	2-Y12S:Supply Requid Into Refrigerant Regulator
BI					29	GasPrgRfrgReg2	2-Y11S:Gas Purge Of Refrigerant Regulator
BI					30	BypEIExpVlv2	2-Y10S:Bypass Of Main Electronic Expansion Valve
BI					31	OutlOilReg2	2-Y9S:Outlet Of Oil Regulator

### 3.2.1.3 DK PRO Outdoor Units

#### • VRV4S1

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



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

### • VRV4S2

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				01	HP	HP [hp]	
IV				02	AmbT	Ambient temperature [°C]	
IV				03	SuctT	Suction Temperature [°C]	
IV				04	EvT	Evaporating Temperature [°C]	
IV				05	CndT	Condensing Temperature [°C]	
PIV				06	InvRS	Inverter Revolution Speed [rps]	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	CTSTD1	CT1 (STD1) [A]	
PIV				10	CTSTD2	CT2 (STD2) [A]	
PIV				11	FanStp	Fan step	
IV				12	CoilT	R4T :Coil temp. [°C]	
IV				13	ScCilExtT	Subcooling Coil exit Temp. [°C]	
PIV				14	DschTInv	Disch. temp.(INV) [°C]	



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

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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						
PIV				05	Fan2RotAmnt	Fan 2 rotation amount [rpm]	
PIV				06	FanStp	Fan step	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	EVOp3	EV opening 3 [pls]	
BI				10	CompInv1	Compressor 1(INV1)	
BI				11	CompInv2	Compressor 2(INV2)	
BI				12	CcH1	CH1:Crankcase Heater	
BI				13	CcH2	CH2:Crankcase Heater	
BI				14	4WayVlv	4 way valve	
BI				15	OiRtrn1	Oil return 1	
BI				16	AccOiRtrn	Accumulator oil return	
BI				17	OiRtrn2	Oil return 2	
BI				18	4WayVlvHeat	4 way valve(Heating)	
BI				19	ErrState	Unit Error stat	
BI				20	DrnPanHtr	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

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



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

### • VRVX

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				01	HP	HP [hp]	
PIV				02	Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV				03	Inv2RotAmnt	INV 2 rotation amount [rps]	
PIV				04	Fan1RotAmnt	Fan 1 rotation amount [rpm]	
PIV				05	Fan2RotAmnt	Fan 2 rotation amount [rpm]	
PIV				06	FanStp	Fan step	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	EVOp3	EV opening 3 [pls]	
BI				10	CompInv1	Compressor 1(INV1)	
BI				11	CompInv2	Compressor 2(INV2)	
BI				12	CcH1	CH1:Crankcase Heater	
BI				13	CcH2	CH2:Crankcase Heater	
BI				14	4WayVlv	4 way valve	
BI				15	OiRtrn1	Oil return 1	
BI				16	AccOiRtrn	Accumulator oil return	
BI				17	OiRtrn2	Oil return 2	
BI				18	4WayVlvHeat	4 way valve(Heating)	
BI				19	ErrState	Unit Error stat	
BI				20	DrnPanHtr	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	OHSby	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	



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

### • VRVX

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
PIV				00	AirNet	AirNet Addr.
IV				01	AmbT	Ambient temperature [°C]
PIV				02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]
PIV				03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]
IV				04	EvT	Evaporating Temperature [°C]
IV				05	CndT	Condensing Temperature [°C]
IV				06	HexT	Heat exchanger temp. [°C]
IV				07	HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV				08	ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV				09	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
PIV				10	CompSrfT	Compressor surface temp. [°C]
IV				11	AcclnItT	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]

### • VRV3DENV(RXYRQ8-18P7W1B)

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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					13	ScCilExtT	Subcooling Coil exit Temp. [°C]
PIV					14	DschTInv	Disch. temp.(INV) [°C]
PIV					15	DschTStd1	Disch. temp.(STD1) [°C]
PIV					16	DschTStd2	Disch. temp.(STD2) [°C]
IV					17	AccEntrT	Accumulator Entrance Temp. [°C]
IV					18	RcvrLiqT	Receiver Liquid Temp. [°C]
PIV					19	InvT	Inverter temp. [°C]
PIV					20	InvCur	Inverter current [A]
PIV					21	InvFanCur	INV FAN current [A]
BI					22	Comp1Inv	Compressor1(INV)
BI					23	Comp2Std1	Compressor2(STD1)
BI					24	Comp3Std2	Compressor3(STD2)
BI					25	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	ResrStby	Restart stand-by
BI					32	MulOi	Multi oil
BI					33	ErrState	Unit Error stat
BI					34	EngyCutOutp	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

• 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.
PIV					01	HP	HP [hp]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
PIV				02	Inv1RotAmt	INV 1 rotation amount [rps]
PIV				03	FanStp	Fan step
AI				04	EVM	EV (Main) x 0.1 [%]
AI				05	EVT	EV (Subcool) x 0.1 [%]
AI				06	EVM2	EV (Main2) x 0.1 [%]
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	OHSby	Overheating stand-by
BI				14	Inv1Stby	INV1 stand-by
BI				15	HiPStpDnCtl	H.P. stepping down cntl
BI				16	LoPStpDnCtl	L.P. stepping down cntl
BI				17	DmndStpDnCtl	Demand stepping down cntl
BI				18	Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl
BI				19	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl
BI				20	Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI				21	DschPipStby	Disch. pipe stand-by
BI				22	LkSensOutp	Leak sensor output
AI				23	Comp1Cur	Comp.1 current [A]
IV				24	Inv1FinT	INV1 fin temp. [°C]
AI				25	InvFanSecCur	INV fan secondary current [A]
AI				26	InvPredCur	INV predicted current [A]

- MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
PIV				00	AirNet	AirNet Addr.
IV				01	AmbT	Ambient temperature [°C]
PIV				02	DschTInv1	Discharge pipe temp.(INV1) [°C]
AI				03	EvT	Evaporating temp x 0.1 [°C]
AI				04	CndT	Condensing temp x 0.1 [°C]
AI				05	HexLiqT	Heat exchanger liquid pipe temp. x 0.1 [°C]
IV				06	ScHexGasT	Subcooling heat exchanger gas temp. [°C]
AI				07	SuctPipT	Suction pipe temp. x 0.1 [°C]
IV				08	DeiT	Deicer temp [°C]

- mini-VRV

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						
IV				02	AmbT	Ambient temperature [°C]	
IV				03	SuctT	Suction Temperature [°C]	
IV				04	EvT	Evaporating Temperature [°C]	
IV				05	CndT	Condensing Temperature [°C]	
PIV				06	EVOp1	EV opening 1 [pls]	
PIV				07	EVOp2	EV opening 2 [pls]	
PIV				08	CTSTD1	CT1 (STD1) [A]	
PIV				09	CTSTD2	CT2 (STD2) [A]	
PIV				10	FanStp	Fan step	
IV				11	CoilT	R4T :Coil temp. [°C]	
IV				12	ScCilExtT	Subcooling Coil exit Temp. [°C]	
PIV				13	DschTInv	Disch. temp.(INV) [°C]	
PIV				14	DschTStd1	Disch. temp.(STD1) [°C]	
PIV				15	DschTStd2	Disch. temp.(STD2) [°C]	
IV				16	RcvrLiqT	Receiver Liquid Temp. [°C]	
PIV				17	InvT	Inverter temp. [°C]	
PIV				18	InvCur	Inverter current [A]	
PIV				19	InvFanCur	INV FAN current [A]	
BI				20	Comp1Inv	Compressor1(INV)	
BI				21	Comp2Std1	Compressor2(STD1)	
BI				22	Comp3Std2	Compressor3(STD2)	
BI				23	OiRtrn	Oil return	
BI				24	HotGas	Hot Gas	
BI				25	CcH1	CH1:Crankcase Heater	
BI				26	CcH2	CH2:Crankcase Heater	
BI				27	CcH3	CH3:Crankcase Heater	
BI				28	SoftStrt	Soft start	
BI				29	ResrtStby	Restart stand-by	
BI				30	MulOi	Multi oil	
BI				31	ErrState	Unit Error stat	
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	INV fin drooping cntl.	
BI				45	Std1OCDroCtl	INV fin drooping cntl.	
BI				46	Std2DschDroCtl	INV fin drooping cntl.	
BI				47	Std2OCDroCtl	INV fin drooping cntl.	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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-3S

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				01	HP	HP [hp]	
IV				02	AmbT	Ambient temperature [°C]	
IV				03	SuctT	Suction Temperature [°C]	
IV				04	EvT	Evaporating Temperature [°C]	
IV				05	CndT	Condensing Temperature [°C]	
PIV				06	InvRS	Inverter Revolution Speed [rps]	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	CTSTD1	CT1 (STD1) [A]	
PIV				10	CTSTD2	CT2 (STD2) [A]	
PIV				11	FanStp	Fan step	
IV				12	CoilT	R4T :Coil temp. [°C]	
IV				13	ScCilExtT	Subcooling Coil exit Temp. [°C]	
PIV				14	DschTInv	Disch. temp.(INV) [°C]	
PIV				15	DschTStd1	Disch. temp.(STD1) [°C]	
PIV				16	DschTStd2	Disch. temp.(STD2) [°C]	
IV				17	AccEntrT	Accumulator Entrance Temp. [°C]	
IV				18	RcvrLiqT	Receiver Liquid Temp. [°C]	
PIV				19	InvT	Inverter temp. [°C]	
PIV				20	InvCur	Inverter current [A]	
PIV				21	InvFanCur	INV FAN current [A]	
BI				22	Comp1Inv	Compressor1(INV)	
BI				23	Comp2Std1	Compressor2(STD1)	
BI				24	Comp3Std2	Compressor3(STD2)	
BI				25	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	MuIOi	Multi oil	
BI				33	ErrState	Unit Error stat	



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

#### • VRV4S-US(RXTQ)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				01	HP	HP [hp]	
IV				02	AmbT	Ambient temperature [°C]	
IV				03	SuctT	Suction Temperature [°C]	
IV				04	EvT	Evaporating Temperature [°C]	
IV				05	CndT	Condensing Temperature [°C]	
PIV				06	InvRS	Inverter Revolution Speed [rps]	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	CTSTD1	CT1 (STD1) [A]	
PIV				10	CTSTD2	CT2 (STD2) [A]	
PIV				11	FanStp	Fan step	
IV				12	CoilT	R4T :Coil temp. [°C]	
IV				13	ScCilExtT	Subcooling Coil exit Temp. [°C]	
PIV				14	DschTInv	Disch. temp.(INV) [°C]	
PIV				15	DschTStd1	Disch. temp.(STD1) [°C]	
PIV				16	DschTStd2	Disch. temp.(STD2) [°C]	
IV				17	AccEntrT	Accumulator Entrance Temp. [°C]	
IV				18	RcvrLiqT	Receiver Liquid Temp. [°C]	
PIV				19	InvT	Inverter temp. [°C]	
PIV				20	InvCur	Inverter current [A]	
PIV				21	InvFanCur	INV FAN current [A]	
BI				22	Comp1Inv	Compressor1(INV)	



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

#### • VRV-M(REYQ8-48M)

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	IV						
IV				13	ScCilExtT	Subcooling Coil exit Temp. [°C]	
PIV				14	DschTInv	Disch. temp.(INV) [°C]	
PIV				15	DschTStd1	Disch. temp.(STD1) [°C]	
PIV				16	DschTStd2	Disch. temp.(STD2) [°C]	
IV				17	RcvrLiqT	Receiver Liquid Temp. [°C]	
PIV				18	InvT	Inverter temp. [°C]	
PIV				19	InvCur	Inverter current [A]	
PIV				20	InvFanCur	INV FAN current [A]	
BI				21	Comp1Inv	Compressor1(INV)	
BI				22	Comp2Std1	Compressor2(STD1)	
BI				23	Comp3Std2	Compressor3(STD2)	
BI				24	OiRtrn	Oil return	
BI				25	HotGas	Hot Gas	
BI				26	CcH1	CH1:Crankcase Heater	
BI				27	CcH2	CH2:Crankcase Heater	
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	EngyCutOutp	Energy cut output	
BI				34	HiPRtry	High pressure retry	
BI				35	LoPRtry	Low pressure retry	
BI				36	DschPipRtry	Disch. pipe retry	
BI				37	4WayVlv1	Disch. pipe retry	
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	INV fin drooping cntl.	
BI				46	Std1OCDroCtl	INV fin drooping cntl.	
BI				47	Std2DschDroCtl	INV fin drooping cntl.	
BI				48	Std2OCDroCtl	INV fin drooping cntl.	
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 x 0.1 [%]
AI					06	EVOp2	EV opening 2 x 0.1 [%]
AI					07	EVOp3	EV opening 3 x 0.1 [%]
AI					08	EVOp4	EV opening 4 x 0.1 [%]
AI					09	EVOp5	EV opening 5 x 0.1 [%]
BI					10	CompInv1	Compressor 1(INV1)
BI					11	CompInv2	Compressor 2(INV2)
BI					12	CcH1	CH1:Crankcase Heater
BI					13	CcH2	CH2:Crankcase Heater
BI					14	4WayVlvHiLoP	4 way valve (HP/LP gas pipe)
BI					15	OiRtrn1	Oil return 1
BI					16	AccOiRtrn	Accumulator oil return
BI					17	OiRtrn2	Oil return 2
BI					18	4WayVlvAdd	4 way valve (additional heat exchanger)
BI					19	ErrState	Unit Error stat
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 retry
BI					27	Rtry	Retry
AI					28	Comp1Cur	Comp.1 current [A]
AI					29	Comp2Cur	Comp.2 current [A]
AI					30	InvFanSecCur	INV fan secondary current [A]
IV					31	Inv1T	INV1 temperatute [°C]
IV					32	Inv2T	INV2 temperatute [°C]

• **VRV6-R/RX(F) (REYP\*F,REUP\*F)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	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 x 0.1 [°C]
AI					05	CndT	Condensing temp x 0.1 [°C]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
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) x 0.1 [°C]
AI				09	HexLiqTLo	Heat exchanger liquid pipe temp.(low) x 0.1 [°C]
IV				10	ScHexGasT	Subcooling heat exchanger gas temp. [°C]
AI				11	ScHexLiqT	Subcooling heat exchanger liquid temp. x 0.1 [°C]
AI				12	SuctT	Suction Temperature x 0.1 [°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	RcvrGasPrgT	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]

#### • VRV4-us(RELQ,RXLQ)

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]
PIV				10	EVOp4	EV4 pls.(receiver gas purge) [pls]
PIV				11	EVOp5	EV5 pls.(cooling refrigerant) [pls]
PIV				12	EVOp6	EV6 pls.(leak detection) [pls]
BI				13	CompInv1	Compressor 1(INV1)
BI				14	CompInv2	Compressor 2(INV2)
BI				15	CcH1	CH1:Crankcase Heater
BI				16	CcH2	CH2:Crankcase Heater
BI				17	4WayVlv	4 way valve
BI				18	OiRtrn1	Oil return 1
BI				19	OiRtrn2	Oil return 2
BI				20	ErrState	Unit Error stat
BI				21	4WayVlvUpR	4-way valve(upper heat exchanger)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
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	OHStby	Overheating stand-by
BI					30	Inv1Stby	INV1 stand-by
BI					31	Inv2Stby	INV2 stand-by
BI					32	HiPStpDnCtl	H.P. stepping down cntl
BI					33	LoPStpDnCtl	L.P. stepping down cntl
BI					34	DmndStpDnCtl	Demand stepping down cntl
BI					35	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl
BI					36	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl
BI					37	Comp1OCStpDnCtl	Comp.1 OC stepping down cntl
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)

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





Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
IV		22			Inv2FinT	INV2 fin temp. [°C]
PIV		23			InvFanCur	INV FAN current [A]

### • VRV-3R

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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	EVByb	EV bypass	
BI				49	RfrgGasPrg	Refrigerant regu. gas purging	
BI				50	RfrgLiq	Refrigerant regu. liquid	
BI				51	RfrgDsching	Refrigerant regu. discharging	
BI				52	RfrgDsch	Refrigerant regu. discharge	
BI				53	OpOutp	Operation output	
IV				54	HexT	Heat exchanger temp. [°C]	
IV				55	HexGasT	Heat Ex. Gas temp. [°C]	
IV				56	HexLiqT	Heat exchanger liquid pipe temp. [°C]	
IV				57	ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
IV				58	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
IV				59	EVLiqT	EV liquid pipe temp. [°C]	

### • VRV3C

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				01	HP	HP [hp]	
IV				02	AmbT	Ambient temperature [°C]	
IV				03	SuctT	Suction Temperature [°C]	
IV				04	EvT	Evaporating Temperature [°C]	
IV				05	CndT	Condensing Temperature [°C]	
PIV				06	InvRS	Inverter Revolution Speed [rps]	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	EVOp	EV opening [pls]	
PIV				10	CTSTD1	CT1 (STD1) [A]	
PIV				11	CTSTD2	CT2 (STD2) [A]	
PIV				12	FanStp	Fan step	
PIV				13	DschTInv	Disch. temp.(INV) [°C]	
PIV				14	DschTStd1	Disch. temp.(STD1) [°C]	
PIV				15	DschTStd2	Disch. temp.(STD2) [°C]	
IV				16	InvT	Inverter temp. [°C]	
PIV				17	InvCur	Inverter current [A]	
PIV				18	InvFanCur	INV FAN current [A]	
BI				19	Comp1Inv	Compressor1(INV)	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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	EVByb	EV bypass	
BI				49	RfrgGasPrg	Refrigerant regu. gas purging	
BI				50	RfrgLiq	Refrigerant regu. liquid	
BI				51	RfrgDsching	Refrigerant regu. discharging	
BI				52	RfrgDschn	Refrigerant regu. discharge	
BI				53	OpOutp	Operation output	
IV				54	HexT	Heat exchanger temp. [°C]	
IV				55	HexGasT	Heat Ex. Gas temp. [°C]	
IV				56	HexLiqT	Heat exchanger liquid pipe temp. [°C]	
IV				57	ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
IV				58	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
IV				59	EVLiqT	EV liquid pipe temp. [°C]	

• VRV-5R(REYQ\*\*TAY1)

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV				03	Inv2RotAmnt	INV 2 rotation amount [rps]	
PIV				04	Fan1RotAmnt	Fan 1 rotation amount [rpm]	
PIV				05	Fan2RotAmnt	Fan 2 rotation amount [rpm]	
PIV				06	FanStp	Fan step	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	EVOp3	EV opening 3 [pls]	
PIV				10	EVOp4	EV4 pls.(receiver gas purge) [pls]	
PIV				11	EVOp5	EV5 pls.(cooling refrigerant) [pls]	
PIV				12	EVOp6	EV6 pls.(leak detection) [pls]	
BI				13	CompInv1	Compressor 1(INV1)	
BI				14	CompInv2	Compressor 2(INV2)	
BI				15	CcH1	CH1:Crankcase Heater	
BI				16	CcH2	CH2:Crankcase Heater	
BI				17	4WayVlv	4 way valve	
BI				18	OiRtrn1	Oil return 1	
BI				19	OiRtrn2	Oil return 2	
BI				20	ErrState	Unit Error stat	
BI				21	4WayVlvUp	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	ErgyCutOut	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	
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	

• VRV-5R(REYQ\*\*TAY1)

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



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

#### • VRV-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 [hp]	
PIV				02	Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV				03	Inv2RotAmnt	INV 2 rotation amount [rps]	
PIV				04	Fan1RotAmnt	Fan 1 rotation amount [rpm]	
PIV				05	Fan2RotAmnt	Fan 2 rotation amount [rpm]	
PIV				06	FanStp	Fan step	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	EVOp3	EV opening 3 [pls]	
PIV				10	EVOp4	EV4 pls.(receiver gas purge) [pls]	
PIV				11	EVOp5	EV5 pls.(cooling refrigerant) [pls]	
PIV				12	EVOp6	EV6 pls.(leak detection) [pls]	
BI				13	CompInv1	Compressor 1(INV1)	
BI				14	CompInv2	Compressor 2(INV2)	
BI				15	CcH1	CH1:Crankcase Heater	
BI				16	CcH2	CH2:Crankcase Heater	
BI				17	4WayVlv	4 way valve	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	DrnPnHtr	Drain pan heater
BI					25	EnrgyCutOutp	Energy cut output
BI					26	HiPRtry	High pressure retry
BI					27	LoPRtry	Low pressure retry
BI					28	DschPipRtry	Disch. pipe retry
BI					29	OHSby	Overheating stand-by
BI					30	Inv1Stby	INV1 stand-by
BI					31	Inv2Stby	INV2 stand-by
BI					32	HiPStpDnCtl	H.P. stepping down cntl
BI					33	LoPStpDnCtl	L.P. stepping down cntl
BI					34	DmndStpDnCtl	Demand stepping down cntl
BI					35	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl
BI					36	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl
BI					37	Comp1OCStpDnCtl	Comp.1 OC stepping down cntl
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

#### • VRV-4R

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]
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	RcvrInlT	Receiver inlet temp. [°C]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
IV				18	RcvrGasPrgT	Receiver gas purge temp. [°C]
PIV				19	Comp1Cur	Comp.1 current [A]
PIV				20	Comp2Cur	Comp.2 current [A]
IV				21	Inv1FinT	INV1 fin temp. [°C]
IV				22	Inv2FinT	INV2 fin temp. [°C]
PIV				23	InvFanCur	INV FAN current [A]

• VRV5-A/X (RXYP140-1500D)

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

• VRV5-A/X (RXYP140-1500D)

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]



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
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	AccInlT	Accumulator inlet temp. [°C]
PIV				11	Inv1Cur	Accumulator inlet temp. [°C]
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 x 0.1 [%]
AI				06	EVOp2	EV opening 2 x 0.1 [%]
AI				07	EVOp3	EV opening 3 x 0.1 [%]
AI				08	EVOp4	EV opening 4 x 0.1 [%]
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		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 x 0.1 [°C]
AI					05	CndT	Condensing temp x 0.1 [°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 x 0.1 [°C]
AI					11	HexLiqT2	Heat exchanger liquid pipe temp. 2 x 0.1 [°C]
IV					12	ScHexGasT	Subcooling heat exchanger gas temp. [°C]
AI					13	ScHexLiqT	Subcooling heat exchanger liquid temp. x 0.1 [°C]
AI					14	SuctT	Suction Temperature x 0.1 [°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]

### • VRV-M

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					00	AirNet	AirNet Addr.
PIV					01	HP	HP [hp]
IV					02	AmbT	Ambient temperature [°C]
IV					03	SuctT	Suction Temperature [°C]
IV					04	EvT	Evaporating Temperature [°C]
IV					05	CndT	Condensing Temperature [°C]
PIV					06	EVOp1	EV opening 1 [pls]
PIV					07	EVOp2	EV opening 2 [pls]
PIV					08	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]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				21	Comp2Std1	Compressor2(STD1)	
BI				22	Comp3Std2	Compressor3(STD2)	
BI				23	OiRtrn	Oil return	
BI				24	HotGas	Hot Gas	
BI				25	CcH1	CH1:Crankcase Heater	
BI				26	CcH2	CH2:Crankcase Heater	
BI				27	CcH3	CH3:Crankcase Heater	
BI				28	SoftStrt	Soft start	
BI				29	ResrtStby	Restart stand-by	
BI				30	MulOi	Multi oil	
BI				31	ErrState	Unit Error stat	
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	INV fin drooping cntl.	
BI				45	Std1OCDroCtl	INV fin drooping cntl.	
BI				46	Std2DschDroCtl	INV fin drooping cntl.	
BI				47	Std2OCDroCtl	INV fin drooping cntl.	
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	InvFrg	Inverter frequency [Hz]	

### • VRV-2MA

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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	INV fin drooping cntl.	
BI				33	Std1OCDroCtl	INV fin drooping cntl.	
BI				34	Std2DschDroCtl	INV fin drooping cntl.	
BI				35	Std2OCDroCtl	INV fin drooping cntl.	
IV				36	CoilT	R4T :Coil temp. [°C]	
IV				37	ScCilExtT	Subcooling Coil exit Temp. [°C]	
IV				38	RcvrLiqT	Receiver Liquid Temp. [°C]	
PIV				39	InvFrq	Inverter frequency [Hz]	
BI				40	InvStby	INV stand-by	
BI				41	RcvrGasOut	SVG:Receiver gas out	
BI				42	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close	
IV				43	AmbT	Ambient temperature [°C]	
PIV				44	DschTStd1	Disch. temp.(STD1) [°C]	
PIV				45	DschTStd2	Disch. temp.(STD2) [°C]	
IV				46	CndT	Condensing Temperature [°C]	
IV				47	EvT	Evaporating Temperature [°C]	
PIV				48	EVOp	EV opening [pls]	
PIV				49	CTSTD1	CT1 (STD1) [A]	
PIV				50	CTSTD2	CT2 (STD2) [A]	
PIV				51	InvFanCur	INV FAN current [A]	
PIV				52	FanStp	Fan step	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
IV		53			CilGasMnT	Main coil gas temp [°C]	
IV		54			CilGasSbT	Sub coil gas temp [°C]	

### • 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	ScCilExtT	Subcooling Coil exit Temp. [°C]	
PIV				14	DschTInv	Disch. temp.(INV) [°C]	
PIV				15	DschTStd1	Disch. temp.(STD1) [°C]	
PIV				16	DschTStd2	Disch. temp.(STD2) [°C]	
IV				17	AccEntrT	Accumulator Entrance Temp. [°C]	
IV				18	RcvrLiqT	Receiver Liquid Temp. [°C]	
PIV				19	InvT	Inverter temp. [°C]	
PIV				20	InvCur	Inverter current [A]	
PIV				21	InvFanCur	INV FAN current [A]	
BI				22	Comp1Inv	Compressor1(INV)	
BI				23	Comp2Std1	Compressor2(STD1)	
BI				24	Comp3Std2	Compressor3(STD2)	
BI				25	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	



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

#### • VRV4-EU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				01	HP	HP [hp]	
PIV				02	Inv1RotAmnt	INV 1 rotation amount [rps]	
PIV				03	Inv2RotAmnt	INV 2 rotation amount [rps]	
PIV				04	Fan1RotAmnt	Fan 1 rotation amount [rpm]	
PIV				05	Fan2RotAmnt	Fan 2 rotation amount [rpm]	
PIV				06	FanStp	Fan step	
PIV				07	EVOp1	EV opening 1 [pls]	
PIV				08	EVOp2	EV opening 2 [pls]	
PIV				09	EVOp3	EV opening 3 [pls]	
BI				10	CompInv1	Compressor 1(INV1)	
BI				11	CompInv2	Compressor 2(INV2)	
BI				12	CcH1	CH1:Crankcase Heater	
BI				13	CcH2	CH2:Crankcase Heater	
BI				14	4WayVlv	4 way valve	
BI				15	OiRtrn1	Oil return 1	
BI				16	AccOiRtrn	Accumulator oil return	
BI				17	OiRtrn2	Oil return 2	
BI				18	4WayVlvHeat	4 way valve(Heating)	
BI				19	ErrState	Unit Error stat	
BI				20	DrnPanHtr	Drain pan heater	
BI				21	ErgyCutOutp	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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI					29	LoPStpDnCtl	L.P. stepping down cntl
BI					30	DmndStpDnCtl	Demand stepping down cntl
BI					31	Comp1DsSchStpDnCtl	Comp.1 Disch. stepping down cntl
BI					32	Comp2DsSchStpDnCtl	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

### • VRV4-EU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
IV					01	AmbT	Ambient temperature [°C]
PIV					02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]
PIV					03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]
IV					04	EvT	Evaporating Temperature [°C]
IV					05	CndT	Condensing Temperature [°C]
IV					06	HexT	Heat exchanger temp. [°C]
IV					07	HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV					08	ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV					09	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
PIV					10	CompSrfT	Compressor surface temp. [°C]
IV					11	AcclnItT	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]

### • VRV5C-DIT(RXQ12AYM)

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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	OHSby	Overheating stand-by
BI					18	Inv1Stby	INV1 stand-by
BI					19	Inv2Stby	INV2 stand-by
BI					20	HiPStpDnCtl	H.P. stepping down cntl
BI					21	LoPStpDnCtl	L.P. stepping down cntl
BI					22	DmndStpDnCtl	Demand stepping down cntl
BI					23	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl
BI					24	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl
BI					25	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl
BI					26	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl
BI					27	Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI					28	Inv2FinStpDnCtl	INV2 Fin stepping down cntl
BI					29	Inv1OiSepBlw	INV1 oil separator below
BI					30	Inv2OiSepBlw	INV2 oil separator below

#### • VRV5C-DIT(RXQ12AYM)

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

#### • VRV-2-WATER(RWEYQ10-30MY1)



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

• VRV-3W-WATER(RWEYQ8-30P)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					00	AirNet	AirNet Addr.
PIV					01	HP	HP [hp]
IV					02	SuctT	Suction Temperature [°C]
PIV					03	EVOp1	EV opening 1 [pls]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	ScCilExtT	Subcooling Coil exit Temp. [°C]
IV					35	EvT	Evaporating Temperature [°C]
IV					36	CndT	Condensing Temperature [°C]
IV					37	EVLiqT	EV liquid pipe temp. [°C]
PIV					38	InvRS	Inverter Revolution Speed [rps]
PIV					39	FanStp	Fan step

• **VRV3C2-WATER(RWEYP\*\*\*PCTJ)**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					00	AirNet	AirNet Addr.
PIV					01	HP	HP [hp]
IV					02	SuctT	Suction Temperature [°C]
PIV					03	EVOp1	EV opening 1 [pls]
PIV					04	EVOp3	EV opening 3 [pls]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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	ScCilExtT	Subcooling Coil exit Temp. [°C]	
IV				35	EvT	Evaporating Temperature [°C]	
IV				36	CndT	Condensing Temperature [°C]	
IV				37	EVLiqT	EV liquid pipe temp. [°C]	
PIV				38	InvRS	Inverter Revolution Speed [rps]	
PIV				39	FanStp	Fan step	

#### • VRV-4W-WATER(RWEYQ8-10T7Y1B)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				01	HP	HP [hp]	
IV				02	SuctT	Suction Temperature [°C]	
PIV				03	EVOp1	EV opening 1 [pls]	
PIV				04	EVOp3	EV opening 3 [pls]	
PIV				05	DschTInv	Disch. temp.(INV) [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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	ScCilExtT	Subcooling Coil exit Temp. [°C]	
IV				35	EvT	Evaporating Temperature [°C]	
IV				36	CndT	Condensing Temperature [°C]	
IV				37	EVLIqT	EV liquid pipe temp. [°C]	
PIV				38	InvRS	Inverter Revolution Speed [rps]	
PIV				39	FanStp	Fan step	

• **VRV-4W3-WATER(RWEYQ8-14T9Y1B)**

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				08	EVPrG	Expansion valve purge [pls]	
PIV				09	DschTInv	Disch. temp.(INV) [°C]	
IV				10	AccInlT	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	GasScPrg	Gas SC and purge	
BI				37	MainLiq	Main liquid	
BI				38	OiRtrnLiqPHE	Liquid oil return PHE	
BI				39	OiRtrnHotGas	Hot gas oil return	
BI				40	LiqInvCool	Liquid inverter cooling	
IV				41	InvGasOutltCoolT	Gas outlet inverter cooling temp [°C]	
IV				42	GasH20PHET	Gas PHE H20 temp [°C]	
IV				43	GasOutltScPrgT	Gas outlet SC and purge temp [°C]	
IV				44	LiqH20PHET	Liquid PHE H20 temp [°C]	
IV				45	LiqStpVlvT	Liquid stop valve temp [°C]	
IV				46	H20InPHET	H20 in PHE temp [°C]	
IV				47	H20OutPHET	H20 out PHE temp [°C]	
IV				48	LiqEvtScPHET	Liquid EVT SC PHE temp [°C]	
IV				49	InvBodyT	Body compressor temp [°C]	
IV				50	WtrFlowCtl	Water flow control [%]	

- **ALT-MG(EMRQ8-16AAY1)**



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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				48	EVByP	EV bypass	
BI				49	RfrgGasPrg	Refrigerant regu. gas purging	
BI				50	RfrgLiq	Refrigerant regu. liquid	
BI				51	RfrgDsching	Refrigerant regu. discharging	
BI				52	RfrgDsSch	Refrigerant regu. discharge	
BI				53	OpOutp	Operation output	
IV				54	HexT	Heat exchanger temp. [°C]	
IV				55	HexGasT	Heat Ex. Gas temp. [°C]	
IV				56	HexLiqT	Heat exchanger liquid pipe temp. [°C]	
IV				57	ScHexGasT	Subcooling heat exchanger gas temp. [°C]	
IV				58	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]	
IV				59	EVLiqT	EV liquid pipe temp. [°C]	

• Ve-up3Q(RQYP140-900A)

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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	Inv1FinT	INV1 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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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	
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	RcvrGasOut	SVG:Receiver gas out	
BI				52	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close	
PIV				53	HP	HP [hp]	

### 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						
PIV				01	GenVer	General Protocol Version	
PIV				02	UnitVer	Unit Protocol Version	
PIV				03	PwrTp	Power Type	
AI				04	RatedCap	Rated Capacity	
IV				05	InPipT	Inlet Pipe Temp	
IV				06	OutPipT	Outlet Pipe Temp	
IV				07	OutAirT	Outlet Air Temp	
PIV				08	EXV	EXV Status	
BI				09	AuxE-Htr	Aux E-heater	
BI				10	Ms/Sl	Master IDU	
BI				11	SolVlvHt	Solenoid valve of heating	



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance				
	VA	Index			
BI		12		LoPrsSolVlv	Low pressure of solenoid valve
BI		13		BpsSolVlv	By-pass solenoid valve

### 3.2.2.2 Gree GMV5 PRO Outdoor Units

#### • GMV5

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance				
	VA	Index			
		00		Type	
AI		01		RatedCap	Rated capacity x 0.1 [kW]
PIV		02		MsSl	Master-Slave status
AI		03		GenVer	General protocol version
AI		04		UnitVer	Unit protocol version
PIV		05		PwrTp	Power type
PIV		06		FanTp	Fan type
PIV		07		FanEmerg	Fan emergency status
PIV		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]
PIV		13		MdHiPrs	Module high pressure [°C]
PIV		14		MdLoPrs	Module low pressure [°C]
PIV		15		Comp1DisT	Compressor 1 discharge temperature [°C]
PIV		16		Comp1TpCvrT	Compressor 1 top cover temperature [°C]
PIV		17		Comp2DisT	Compressor 2 discharge temperature [°C]
PIV		18		Comp2TpCvrT	Compressor 2 top cover temperature [°C]
PIV		19		DfrsT1	Defrosting temperature 1 [°C]
PIV		20		SbclLiqOutT	Subcooler liquid outlet temperature [°C]
PIV		21		SbclGsOutT	Subcooler gas outlet temperature [°C]
PIV		22		GsSepInTubT	Gas separator inlet tube temperature [°C]
PIV		23		GsSepOutTubT	Gas separator outlet tube temperature [°C]
AI		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]
AI		31		Comp1BsbV	Compressor 1 busbar voltage [V]
PIV		32		Comp1MdIT	Compressor 1 module temperature [°C]
AI		33		Fan1Cur	Fan1 current [A]
AI		34		Fan1BsbV	Fan1 busbar voltage [V]
PIV		35		Fan1MdIT	Fan1 module temperature [°C]
AI		36		Comp2Cur	Compressor 2 current [A]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
PIV				38	Comp2MdIT	Compressor 2 module temperature [°C]	
AI				39	Fan2Cur	Fan2 current [A]	
AI				40	Fan2BsbV	Fan2 busbar voltage [V]	
PIV				41	Fan2MdIT	Fan2 module temperature [°C]	
AI				42	SbclEXV	Subcooler EXV [PIs]	

### • GMV5 mini

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	RatedCap	Rated capacity x 0.1 [kW]	
AI				02	GenVer	General protocol version	
AI				03	UnitVer	Unit protocol version	
PIV				04	PwrTp	Power type	
PIV				05	AmbT	Outdoor ambient temperature [°C]	
PIV				06	Comp1OpFreq	Compressor 1 operation frequency [Hz]	
PIV				07	MdHiPrs	Module high pressure [°C]	
PIV				08	MdLoPrs	Module low pressure [°C]	
PIV				09	Comp1DisT	Compressor 1 discharge temperature [°C]	
PIV				10	DfrsT1	Defrosting temperature 1 [°C]	
PIV				11	SbclLiqOutT	Subcooler liquid outlet temperature [°C]	
PIV				12	SbclGsOutT	Subcooler gas outlet temperature [°C]	
PIV				13	GsSepInTubT	Gas separator inlet tube temperature [°C]	
PIV				14	GsSepOutTubT	Gas separator outlet tube temperature [°C]	
AI				15	HtEXV	ODU heating EXV [PIs]	
BI				16	Comp1	Compressor 1 status	
BI				17	4WayVlv1	4-way valve1 status	
BI				18	OiRtVlv1	Oil return valve 1	
BI				19	RefgnRcvy	Refrigerant recovering	
BI				20	GsBpsVlv	Gas bypass valve status	
BI				21	SolVlvA	Solenoid valve A	
BI				22	SolVlvB	Solenoid valve B	
BI				23	Comp1E-Ht	Compressor 1 e-heater	
BI				24	ChasE-Ht	Chassis e-heater	
BI				25	RstCompl	Reset completed	
AI				26	Comp1Cur	Compressor 1 current [A]	
AI				27	Comp1BsbV	Compressor 1 busbar voltage [V]	
PIV				28	Comp1MdIT	Compressor 1 module temperature [°C]	
AI				29	SbclEXV	Subcooler EXV [PIs]	
BI				30	Comp1WkMg	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 x 0.1 [kW]	



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
PIV			35	Comp1TgtFreq	Comp1 target frequency [Hz]
PIV			36	Fan1TgtFreq	Fan1 target frequency [Hz]
PIV			37	Fan2TgtFreq	Fan2 target frequency [Hz]
AI			38	MdIAbsHp	Module absolute high pressure [kPa]
AI			39	MdIAbsLp	Module absolute low pressure [kPa]
PIV			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]
PIV			44	Comp1PfcT	Compressor 1 drive PFC temperature [°C]
PIV			45	Comp1EBoxT	Compressor 1 drive electric box temperature [°C]
PIV			46	Comp1Dev	Compressor 1 device status
PIV			47	Comp1Wrk	Compressor 1 work status

#### • GMV5 HR

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
AI			01	RatedCap	Rated capacity x 0.1 [kW]
PIV			02	MsSl	Master-Slave status
AI			03	GenVer	General protocol version
AI			04	UnitVer	Unit protocol version
PIV			05	PwrTp	Power type
PIV			06	FanTp	Fan type
PIV			07	FanEmerg	Fan emergency status
PIV			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]
PIV			13	MdIHPrs	Module high pressure [°C]
PIV			14	MdLPrs	Module low pressure [°C]
PIV			15	Comp1DisT	Compressor 1 discharge temperature [°C]
PIV			16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]
PIV			17	Comp2DisT	Compressor 2 discharge temperature [°C]
PIV			18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]
PIV			19	DfrsT1	Defrosting temperature 1 [°C]
PIV			20	SbcLiqOutT	Subcooler liquid outlet temperature [°C]
PIV			21	SbcGsOutT	Subcooler gas outlet temperature [°C]
PIV			22	GsSepInTubT	Gas separator inlet tube temperature [°C]
PIV			23	GsSepOutTubT	Gas separator outlet tube temperature [°C]
AI			24	HtEXV	ODU heating EXV [PIs]
PIV			25	FanStcPrsMd	Outdoor fan static pressure mode
BI			26	Comp1	Compressor 1 status



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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]
AI					34	Comp1BsbV	Compressor 1 busbar voltage [V]
PIV					35	Comp1MdIT	Compressor 1 module temperature [°C]
AI					36	Fan1Cur	Fan1 current [A]
AI					37	Fan1BsbV	Fan1 busbar voltage [V]
PIV					38	Fan1MdIT	Fan1 module temperature [°C]
AI					39	Comp2Cur	Compressor 2 current [A]
AI					40	Comp2BsbV	Compressor 2 busbar voltage [V]
PIV					41	Comp2MdIT	Compressor 2 module temperature [°C]
AI					42	Fan2Cur	Fan2 current [A]
AI					43	Fan2BsbV	Fan2 busbar voltage [V]
PIV					44	Fan2MdIT	Fan2 module temperature [°C]
PIV					45	Comp1OiRtT	Compressor 1 oil return temperature [°C]
PIV					46	Comp2OiRtT	Compressor 2 oil return temperature [°C]
AI					47	SbclEXV	Subcooler EXV [PIs]

### • VRF6

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
AI					01	RatedCap	Rated capacity x 0.1 [kW]
PIV					02	MsSl	Master-Slave status
AI					03	GenVer	General protocol version
AI					04	UnitVer	Unit protocol version
PIV					05	PwrTp	Power type
PIV					06	FanTp	Fan type
PIV					07	FanEmerg	Fan emergency status
PIV					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]
PIV					13	MdIHPrs	Module high pressure [°C]
PIV					14	MdLlPrs	Module low pressure [°C]
PIV					15	Comp1DisT	Compressor 1 discharge temperature [°C]
PIV					16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]
PIV					17	Comp2DisT	Compressor 2 discharge temperature [°C]
PIV					18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]
PIV					19	DfrsT1	Defrosting temperature 1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				21	SbclGsOutT	Subcooler gas outlet temperature [°C]	
PIV				22	GsSepInTubT	Gas separator inlet tube temperature [°C]	
PIV				23	GsSepOutTubT	Gas separator outlet tube temperature [°C]	
AI				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	OiRtVlv1	Oil return valve 1	
BI				30	OiRtVlv2	Oil return valve 2	
BI				31	AuxOiRtVlv1	Auxiliary oil return valve 1	
BI				32	SbclSolVlv	Subcooler solenoid valve	
BI				33	HtGsBpsVlv	Hot-gas by-pass valve	
AI				34	Comp1Cur	Compressor 1 current [A]	
AI				35	Comp1BsbV	Compressor 1 busbar voltage [V]	
PIV				36	Comp1MdIT	Compressor 1 module temperature [°C]	
AI				37	Fan1Cur	Fan1 current [A]	
AI				38	Fan1BsbV	Fan1 busbar voltage [V]	
PIV				39	Fan1MdIT	Fan1 module temperature [°C]	
AI				40	Comp2Cur	Compressor 2 current [A]	
AI				41	Comp2BsbV	Compressor 2 busbar voltage [V]	
PIV				42	Comp2MdIT	Compressor 2 module temperature [°C]	
AI				43	Fan2Cur	Fan2 current [A]	
AI				44	Fan2BsbV	Fan2 busbar voltage [V]	
PIV				45	Fan2MdIT	Fan2 module temperature [°C]	
AI				46	SbclEXV	Subcooler EXV [PIs]	
PIV				47	SbclGslnT	Subcooler gas inlet temperature [°C]	

### 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						
AI				01	TI	Liquid Pipe Temp [°C]	
AI				02	Tg	Gas Pipe Temp [°C]	
AI				03	Ti	Intake Air Temp [°C]	
AI				04	To	Discharge Air Temp [°C]	
PIV				05	fd	Requested Frequency [Hz]	
AI				06	Tr	Remote Sensor Temp [°C]	



### 3.2.3.2 HT PRO Outdoor Units

#### • Type Code = 3

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
					00	Type	
PIV					01	ROMno Outdoor Control PCB ROM number	
BI					02	Run Run/Stop	
BI					03	ForDfrst For Defrost	
BI					04	TstRun Test Run	
BI					05	Dfrst Defrost	
BI					06	EnFOff Enforced Fan Off	
BI					07	EnThOff Enforced Thermo Off	
PIV					08	RunSt Run State	
PIV					09	Cyc Cycle Condition	
PIV					10	ProtLvl Protection Level	
PIV					11	ProtCd Protection Code	
PIV					12	INVCD Inverter Stop Reason Code	
PIV					13	INVSt Inverter run state	
PIV					14	FANCD Fan Con Code	
PIV					15	FANSt Fan Con State	
PIV					16	Comp1RunTm Comp1 Run Time [Hr]	
PIV					17	H1 Inverter Comp Frequency [Hz]	
PIV					18	Fo Air Flow Fan Tap	
PIV					19	oE1 Expansion Valve 1 Opening [%]	
PIV					20	oEB Bypass Exp.V Opening [%]	
AI					21	Pd Discharge (high) Pressure x 0.1 [MPa]	
AI					22	Ps Low Pressure x 0.1 [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	



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
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]
AI			61	A5	Compressor5 Current [A]
AI			62	A6	Compressor6 Current [A]
IV			63	Te2	Evaporating Temp2 [°C]
IV			64	Te3	Evaporating Temp3 [°C]
PIV			65	Td3	Compressor 3 Top Temperature [°C]
PIV			66	Td4	Compressor 4 Top Temperature [°C]
PIV			67	Td5	Compressor 5 Top Temperature [°C]
PIV			68	Td6	Compressor 6 Top Temperature [°C]
PIV			69	cc	Run Compressor Quantity
PIV			70	oE2	Expansion Valve 2 Opening [%]
PIV			71	oE3	Expansion Valve 3 Opening [%]

• **Type Code = 6**

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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 x 0.1 [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	Inverter Compressor Current [A]	
BI				31	C11	Compression Ratio Reduction Prevention Restricted Control	
BI				32	C13	High PR. Increase Prevention Restricted Control	
BI				33	C14	Inverter Module Temp Increase Prevention Restricted Control	
BI				34	C15	Td Increase Prevention Restricted Control	
BI				35	C16	TdSH Reduction Prevention Restricted Control	
BI				36	C17	Overcurrent Prevention Restricted Control	
BI				37	YFAN1	Relay for FAN 1	
BI				38	YFAN3	Relay for FAN 3	
BI				39	YCH	Relay for Crank Case Heater 1	
BI				40	Y211	Relay for 4Way-Valve 1	
BI				41	Y212	Relay for 4Way-Valve 2	
BI				42	Y20A1	Relay for Gass Bypass 1	
BI				43	Y20A2	Relay for Gass Bypass 1	
BI				44	Y20B	Relay for Gass Bypass 1	
BI				45	Y20C	Relay for Gass Bypass 1	
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	



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





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
AI				19	Pd	Discharge (high) Pressure x 0.1 [MPa]	
AI				20	Ps	Suction (low) Pressure [MPa]	
PIV				21	Td1	Inverter Compressor 1 Top Temperature [°C]	
IV				22	TdSH	Discharge Gas Superheat [°C]	
IV				23	Tsc	Sub-cooler bypass outlet temp [°C]	
IV				24	Te1	Heat Exchanger Liquid Temperature 1 [°C]	
IV				25	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]	
IV				26	Ta	Outdoor Temperature [°C]	
IV				27	Tfin	Inv Fin Temperature [°C]	
AI				28	A12	Inv Comp1 2nd Current x2 [A]	
AI				29	A1	Inverter Compressor Current [A]	
PIV				30	Info1	Control Information 1	
PIV				31	Info2	Control Information 2	
BI				32	C11	Compression Ratio Reduction Prevention Restricted Control	
BI				33	C13	High PR. Increase Prevention Restricted Control	
BI				34	C14	Inverter Module Temp Increase Prevention Restricted Control	
BI				35	C15	Td Increase Prevention Restricted Control	
BI				36	C16	TdSH Reduction Prevention Restricted Control	
BI				37	C17	Overcurrent Prevention Restricted Control	
BI				38	YFAN3	Relay for FAN 3	
BI				39	YFAN4	Relay for FAN 4	
BI				40	YCH	Relay for Crank Case Heater 1	
BI				41	Y212	Relay for 4Way-Valve 2	
BI				42	Y20A1	Relay for Gass Bypass 1	
BI				43	Y20B	Relay for Liquid Bypass	
BI				44	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass	
BI				45	Y20F1	Solenoid valve F1/Relay for Oil Back 1	
BI				46	Y20G	Solenoid valve G/Relay for Refrigerant Recovery	
BI				47	YCHG	Automatic charge solenoid valve CHG	

• **Type Code = 5**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
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	Test Run	
PIV				06	RunSt	Run State	
PIV				07	CycSt	Cycle State	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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 x 0.1 [MPa]	
AI				21	Ps	Suction (low) Pressure [MPa]	
PIV				22	Td1	Inverter Compressor 1 Top Temperature [°C]	
IV				23	TdSH	Discharge Gas Superheat [°C]	
IV				24	Te1	Heat Exchanger Liquid Temperature 1 [°C]	
IV				25	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]	
IV				26	Ta	Outdoor Temperature [°C]	
IV				27	Tfin	Inv Fin Temperature [°C]	
AI				28	A12	Inv Comp1 2nd Current x2 [A]	
AI				29	A1	Inverter Compressor Current [A]	
PIV				30	Info1	Control Information 1	
PIV				31	Info2	Control Information 2	
BI				32	C11	Compression Ratio Reduction Prevention Restricted Control	
BI				33	C13	High PR. Increase Prevention Restricted Control	
BI				34	C14	Inverter Module Temp Increase Prevention Restricted Control	
BI				35	C15	Td Increase Prevention Restricted Control	
BI				36	C16	TdSH Reduction Prevention Restricted Control	
BI				37	C17	Overcurrent Prevention Restricted Control	
BI				38	CH1	Relay for Crank Case Heater 1	
BI				39	Y211	Relay for 4Way-Valve 1	
BI				40	Y212	Relay for 4Way-Valve 2	
BI				41	Y20A1	Relay for Gass Bypass 1	
BI				42	Y20B	Relay for Liquid Bypass	
BI				43	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass	
BI				44	Y20F1	Solenoid valve F1/Relay for Oil Back 1	
BI				45	20CHG	Solenoid valve F1/Relay for Oil Back 1	
BI				46	Y52C1	Relay for Inverter Compressor	
BI				47	X1	Relay for Inverter Cooling Fan	
BI				48	X2	Relay for Water Pump	
IV				49	TBg	Relay Status [°C]	
IV				50	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]	

- Type Code = 2



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	ROMno	Outdoor Control PCB ROM number
BI			02	ForDfrst	For Defrost
BI			03	EmergRun	Emergency Run
BI			04	TstRun	Test Run
PIV			05	HEXSt	Heat Exchange State
PIV			06	RunSt	Run State
PIV			07	CycSt	Cycle State
PIV			08	ProtLvl	Protection Level
PIV			09	ProtCd	Protection Code
PIV			10	INVCD	Inverter Stop Reason Code
PIV			11	INVSt	Inverter run state
PIV			12	FANCD1	FANCD1
PIV			13	FAN1St	FAN1 run state
PIV			14	Comp1RunTm	Comp1 Run Time [Hr]
PIV			15	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
PIV			16	H1	Inverter Comp Frequency [Hz]
PIV			17	Fo	Air Flow Fan Tap
PIV			18	oE1	Expansion Valve 1 Opening [%]
PIV			19	EVB	Bypass Exp.V Opening [%]
AI			20	Pd	Discharge (high) Pressure x 0.1 [MPa]
AI			21	Ps	Suction (low) Pressure [MPa]
PIV			22	Td1	Inverter Compressor 1 Top Temperature [°C]
IV			23	Te1	Heat Exchanger Liquid Temperature 1 [°C]
IV			24	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]
IV			25	Ta	Outdoor Temperature [°C]
IV			26	Tfin	Inv Fin Temperature [°C]
AI			27	A12	Inv Comp1 2nd Current x2 [A]
AI			28	A1	Inverter Compressor Current [A]
PIV			29	Info1	Control Information 1
PIV			30	Info2	Control Information 2
BI			31	C11	Compression Ratio Reduction Prevention Restricted Control
BI			32	C13	High PR. Increase Prevention Restricted Control
BI			33	C14	Inverter Module Temp Increase Prevention Restricted Control
BI			34	C15	Td Increase Prevention Restricted Control
BI			35	C16	TdSH Reduction Prevention Restricted Control
BI			36	C17	Overcurrent Prevention Restricted Control
BI			37	CH1	Relay for Crank Case Heater 1
BI			38	CH2	Relay for Crank Case Heater 2
BI			39	Y211	Relay for 4Way-Valve 1
BI			40	Y212	Relay for 4Way-Valve 2
BI			41	Y20A1	Relay for Gass Bypass 1
BI			42	Y20A2	Relay for Gass Bypass 2
BI			43	Y20B	Relay for Liquid Bypass
BI			44	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				46	Y20F2	Relay for Oil Back 2	
BI				47	YCHG	Automatic charge solenoid valve CHG	
BI				48	Y52C1	Relay for Inverter Compressor	
BI				49	Y52C2	Relay for Compressor2	
BI				50	X1	Relay for Inverter Cooling Fan	
BI				51	X2	Relay for Water Pump	
PIV				52	Comp2RunTm	Comp2 Run Time [Hr]	
PIV				53	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]	
PIV				54	H2	Total Frequency [Hz]	
PIV				55	Td2	Compressor 2 Top Temperature [°C]	
PIV				56	Td	Operating Comp. Top Temperature [°C]	
IV				57	TBg	Relay Status [°C]	
IV				58	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]	
AI				59	A2	Compressor2 Current [A]	

#### • Type Code = 4

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV				01	ROMno	Outdoor Control PCB ROM number	
BI				02	ForDfrst	For Defrost	
BI				03	EmergRun	Emergency Run	
BI				04	TstRun	Test Run	
PIV				05	HEXSt	Heat Exchange State	
PIV				06	RunSt	Run State	
PIV				07	CycSt	Cycle State	
PIV				08	ProtLvl	Protection Level	
PIV				09	ProtCd	Protection Code	
PIV				10	INV1Cd	Inverter 1 Stop Reason Code	
PIV				11	INV1St	Inverter 1 run state	
PIV				14	FAN1Cd	FANCON 1 Stop Reason Code	
PIV				15	FAN1St	FANCON 1 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 x 0.1 [Hz]	
AI				23	H2	Inverter 2 Comp Frequency x 0.1 [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 [%]	
AI				30	Pd	High Pressure [MPa]	
AI				31	Ps	Suction (low) Pressure [MPa]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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				42	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]	
AI				45	INV1A2	Inverter Comp 1 2nd Current x 0.1 [A]	
AI				46	INV1A1	Inverter Compressor 1 Primary Current x 0.1 [A]	
AI				48	INV2A1	Inverter Compressor 2 Primary Current x 0.1 [A]	
AI				49	Info1	Control Information 1 x 0.1 [Hz]	
PIV				50	Info2	Control Information 2 [°C]	
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	

• Type Code = 3

Base Address	Input Registers	
	Short Name	Description
+0	Type Code = 3	
+1	ROMno	Outdoor Control PCB ROM number
+2	Run ForDfrst TstRun Dfrst	<b>Bitfields:</b> Bit 0 - Run/Stop Bit 1 - For Defrost Bit 3 - Test Run Bit 4 - Defrost



Base Address	Input Registers	
	Short Name	Description
	EnFOff EnThOff	Bit 5 - Enforced Fan Off Bit 6 - Enforced Thermo Off
+3	RunSt Cyc ProtLvl ProtCd	<b>Bitfields:</b> Bit 0 - Run State Bit 4 - Cycle Condition Bit 8 - Protection Level Bit 12 - Protection Code
+4	INVCD	Inverter Stop Reason Code
+5	INVSt	Inverter run state
+6	FANCD	Fan Con Code
+7	FANSt	Fan Con State
+8	Comp1RunTm	Comp1 Run Time [Hr]
+10	H1	Inverter Comp Frequency [Hz]
+11	Fo	Air Flow Fan Tap
+12	oE1	Expansion Valve 1 Opening [%]
+13	oEB	Bypass Exp.V Opening [%]
+14	Pd	Discharge (high) Pressure x 0.1 [MPa]
+15	Ps	Low Pressure x 0.1 [MPa]
+16	Td1	Inverter Compressor 1 Top Temperature [°C]
+19	Te1	Evaporating Temp1 [°C]
+21	Ta	Outdoor Temperature [°C]
+22	Tfin	Inv Fin Temperature [°C]
+23	A12	Inv Comp1 2nd Current x2 [A]
+24	A1	Inverter Compressor Current [A]
+27	C11 C13 C14 C15 C16 C17 YFAN1 YFAN3 YCH Y211 Y212 Y20A1	<b>Bitfields:</b> Bit 0 - Compression Ratio Reduction Prevention Restricted Control Bit 1 - High PR. Increase Prevention Restricted Control Bit 2 - Inverter Module Temp Increase Prevention Restricted Control Bit 3 - Td Increase Prevention Restricted Control Bit 4 - TdSH Reduction Prevention Restricted Control Bit 5 - Overcurrent Prevention Restricted Control Bit 6 - Relay for FAN 1 Bit 8 - Relay for FAN 3 Bit 10 - Relay for Crank Case Heater 1 Bit 12 - Relay for 4Way-Valve 1 Bit 13 - Relay for 4Way-Valve 2 Bit 14 - Relay for Gass Bypass 1
+28	Y20F1 Y20G Y52C1 Y52C2 Y52C3 Y52C4 Y52C5 Y52C6 Y213	<b>Bitfields:</b> Bit 2 - Solenoid valve F1/Relay for Oil Back 1 Bit 4 - Solenoid valve G/Relay for Refrigerant Recovery Bit 6 - Relay for Inverter Compressor Bit 7 - Relay for Compressor2 Bit 10 - Relay for Compressor3 Bit 11 - Relay for Compressor4 Bit 12 - Relay for Compressor5 Bit 13 - Relay for Compressor6 Bit 14 - Relay for 4Way-Valve 3
+29	Comp2RunTm	Comp2 Run Time [Hr]
+31	H2	Total Frequency [Hz]
+32	Td2	Compressor 2 Top Temperature [°C]
+33	Td	Operating Comp. Top Temperature [°C]
+36	A2	Compressor2 Current [A]
+37	Comp3RunTm	Comp3 Run Time [Hr]



Base Address	Input Registers	
	Short Name	Description
+38	Comp4RunTm	Comp4 Run Time [Hr]
+39	Comp5RunTm	Comp5 Run Time [Hr]
+40	Comp6RunTm	Comp6 Run Time [Hr]
+41	A3	Compressor3 Current [A]
+42	A4	Compressor4 Current [A]
+43	A5	Compressor5 Current [A]
+44	A6	Compressor6 Current [A]
+45	Te2	Evaporating Temp2 [°C]
+46	Te3	Evaporating Temp3 [°C]
+47	Td3	Compressor 3 Top Temperature [°C]
+48	Td4	Compressor 4 Top Temperature [°C]
+49	Td5	Compressor 5 Top Temperature [°C]
+50	Td6	Compressor 6 Top Temperature [°C]
+51	cc	Run Compressor Quantity
+52	oE2	Expansion Valve 2 Opening [%]
+53	oE3	Expansion Valve 3 Opening [%]

• Type Code = 6

Base Address	Input Registers	
	Short Name	Description
+0	Type Code = 6	
+1	ROMno	Outdoor Control PCB ROM number
+2	Run ForDfrst TstRun Dfrst EnFOff EnThOff	<b>Bitfields:</b> Bit 0 - Run/Stop Bit 1 - For Defrost Bit 3 - Test Run Bit 4 - Defrost Bit 5 - Enforced Fan Off Bit 6 - Enforced Thermo Off
+3	RunSt Cyc ProtLvl ProtCd	<b>Bitfields:</b> Bit 0 - Run State Bit 4 - Cycle Condition Bit 8 - Protection Level Bit 12 - Protection Code
+4	INVCD	Inverter Stop Reason Code
+5	INVSt	Inverter run state
+6	FANCD	Fan Con Code
+7	FANSt	Fan Con State
+8	Comp1RunTm	Comp1 Run Time [Hr]
+10	H1	Inverter Comp Frequency [Hz]
+11	Fo	Air Flow Fan Tap
+12	oE1	Expansion Valve 1 Opening [%]
+13	oEB	Bypass Exp.V Opening [%]
+14	Pd	Discharge (high) Pressure x 0.1 [MPa]
+15	Ps	Suction (low) Pressure [MPa]
+16	Td1	Inverter Compressor 1 Top Temperature [°C]
+17	TdSH	Discharge Gas Superheat [°C]
+19	Te1	Evaporating Temp1 [°C]
+21	Ta	Outdoor Temperature [°C]
+22	Tfin	Inv Fin Temperature [°C]



Base Address	Input Registers	
	Short Name	Description
+23	A12	Inv Comp1 2nd Current x2 [A]
+24	A1	Inverter Compressor Current [A]
+25	Info	Inverter Compressor Current [A]
+27	C11 C13 C14 C15 C16 C17 YFAN1 YFAN3 YCH Y211 Y212 Y20A1 Y20A2	<b>Bitfields:</b> Bit 0 - Compression Ratio Reduction Prevention Restricted Control Bit 1 - High PR. Increase Prevention Restricted Control Bit 2 - Inverter Module Temp Increase Prevention Restricted Control Bit 3 - Td Increase Prevention Restricted Control Bit 4 - TdSH Reduction Prevention Restricted Control Bit 5 - Overcurrent Prevention Restricted Control Bit 6 - Relay for FAN 1 Bit 8 - Relay for FAN 3 Bit 10 - Relay for Crank Case Heater 1 Bit 12 - Relay for 4Way-Valve 1 Bit 13 - Relay for 4Way-Valve 2 Bit 14 - Relay for Gass Bypass 1 Bit 15 - Relay for Gass Bypass 1
+28	Y20B Y20C Y20F1 Y20G Y52C1 Y52C2 Y52C3 Y52C4 Y52C5 Y52C6	<b>Bitfields:</b> Bit 0 - Relay for Gass Bypass 1 Bit 1 - Relay for Gass Bypass 1 Bit 2 - Solenoid valve F1/Relay for Oil Back 1 Bit 4 - Solenoid valve G/Relay for Refrigerant Recovery Bit 6 - Relay for Inverter Compressor Bit 7 - Relay for Compressor2 Bit 10 - Relay for Compressor3 Bit 11 - Relay for Compressor4 Bit 12 - Relay for Compressor5 Bit 13 - Relay for Compressor6
+29	Comp2RunTm	Comp2 Run Time [Hr]
+31	H2	Total Frequency [Hz]
+32	Td2	Compressor 2 Top Temperature [°C]
+33	Td	Operating Comp. Top Temperature [°C]
+36	A2	Compressor2 Current [A]
+37	Comp3RunTm	Comp3 Run Time [Hr]
+38	Comp4RunTm	Comp4 Run Time [Hr]
+39	Comp5RunTm	Comp5 Run Time [Hr]
+40	Comp6RunTm	Comp6 Run Time [Hr]
+41	A3	Compressor3 Current [A]
+42	A4	Compressor4 Current [A]
+43	A5	Compressor5 Current [A]
+44	A6	Compressor6 Current [A]
+45	Te2	Evaporating Temp2 [°C]
+46	Te3	Evaporating Temp3 [°C]
+47	Td3	Compressor 3 Top Temperature [°C]
+48	Td4	Compressor 4 Top Temperature [°C]
+49	Td5	Compressor 5 Top Temperature [°C]
+50	Td6	Compressor 6 Top Temperature [°C]
+51	cc	Run Compressor Quantity
+52	oE2	Expansion Valve 2 Opening [%]
+53	oE3	Expansion Valve 3 Opening [%]

• Type Code = 1





Base Address	Input Registers	
	Short Name	Description
+0	Type Code = 1	
+1	ROMno	Outdoor Control PCB ROM number
+2	Run ForDfrst EmergRun	<b>Bitfields:</b> Bit 0 - Run/Stop Bit 1 - For Defrost Bit 2 - Emergency Run
+3	RunSt CycSt ProtLvl ProtCd	<b>Bitfields:</b> Bit 0 - Run State Bit 4 - Cycle State Bit 8 - Protection Level Bit 12 - Protection Code
+4	INVCD	Inverter Stop Reason Code
+5	INVSt	Inverter run state
+6	FANCD1	FANCD1
+7	FAN1St	FAN1 run state
+8	Comp1RunTm	Comp1 Run Time [Hr]
+9	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
+10	H1	Inverter Comp Frequency [Hz]
+11	Fo	Air Flow Fan Tap
+12	oE1	Expansion Valve 1 Opening [%]
+13	EVB	Bypass Exp.V Opening [%]
+14	Pd	Discharge (high) Pressure x 0.1 [MPa]
+15	Ps	Suction (low) Pressure [MPa]
+16	Td1	Inverter Compressor 1 Top Temperature [°C]
+17	TdSH	Discharge Gas Superheat [°C]
+18	Tsc	Sub-cooler bypass outlet temp [°C]
+19	Te1	Heat Exchanger Liquid Temperature 1 [°C]
+20	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]
+21	Ta	Outdoor Temperature [°C]
+22	Tfin	Inv Fin Temperature [°C]
+23	A12	Inv Comp1 2nd Current x2 [A]
+24	A1	Inverter Compressor Current [A]
+25	Info1	Control Information 1
+26	Info2	Control Information 2
+27	C11 C13 C14 C15 C16 C17 YFAN3 YFAN4 YCH Y212 Y20A1	<b>Bitfields:</b> Bit 0 - Compression Ratio Reduction Prevention Restricted Control Bit 1 - High PR. Increase Prevention Restricted Control Bit 2 - Inverter Module Temp Increase Prevention Restricted Control Bit 3 - Td Increase Prevention Restricted Control Bit 4 - TdSH Reduction Prevention Restricted Control Bit 5 - Overcurrent Prevention Restricted Control Bit 8 - Relay for FAN 3 Bit 9 - Relay for FAN 4 Bit 10 - Relay for Crank Case Heater 1 Bit 13 - Relay for 4Way-Valve 2 Bit 14 - Relay for Gass Bypass 1
+28	Y20B Y20C Y20F1 Y20G YCHG	<b>Bitfields:</b> Bit 0 - Relay for Liquid Bypass Bit 1 - Solenoid valve C/Relay for Gas-Liquid Bypass Bit 2 - Solenoid valve F1/Relay for Oil Back 1 Bit 4 - Solenoid valve G/Relay for Refrigerant Recovery Bit 5 - Automatic charge solenoid valve CHG



• Type Code = 5

Base Address	Input Registers	
	Short Name	Description
+0	Type Code = 5	
+1	ROMno	Outdoor Control PCB ROM number
+2	ForDfrst EmergRun TstRun HEXSt	<b>Bitfields:</b> Bit 1 - For Defrost Bit 2 - Emergency Run Bit 3 - Test Run Bit 12 - Test Run
+3	RunSt CycSt ProtLvl ProtCd	<b>Bitfields:</b> Bit 0 - Run State Bit 4 - Cycle State Bit 8 - Protection Level Bit 12 - Protection Code
+4	INVCD	Inverter Stop Reason Code
+5	INVSt	Inverter run state
+6	FANCD1	FANCD1
+7	FAN1St	FAN1 run state
+8	Comp1RunTm	Comp1 Run Time [Hr]
+9	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
+10	H1	Inverter Comp Frequency [Hz]
+11	Fo	Air Flow Fan Tap
+12	oE1	Expansion Valve 1 Opening [%]
+13	EVB	Bypass Exp.V Opening [%]
+14	Pd	Discharge (high) Pressure x 0.1 [MPa]
+15	Ps	Suction (low) Pressure [MPa]
+16	Td1	Inverter Compressor 1 Top Temperature [°C]
+17	TdSH	Discharge Gas Superheat [°C]
+19	Te1	Heat Exchanger Liquid Temperature 1 [°C]
+20	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]
+21	Ta	Outdoor Temperature [°C]
+22	Tfin	Inv Fin Temperature [°C]
+23	A12	Inv Comp1 2nd Current x2 [A]
+24	A1	Inverter Compressor Current [A]
+25	Info1	Control Information 1
+26	Info2	Control Information 2
+27	C11 C13 C14 C15 C16 C17 CH1 Y211 Y212 Y20A1	<b>Bitfields:</b> Bit 0 - Compression Ratio Reduction Prevention Restricted Control Bit 1 - High PR. Increase Prevention Restricted Control Bit 2 - Inverter Module Temp Increase Prevention Restricted Control Bit 3 - Td Increase Prevention Restricted Control Bit 4 - TdSH Reduction Prevention Restricted Control Bit 5 - Overcurrent Prevention Restricted Control Bit 10 - Relay for Crank Case Heater 1 Bit 12 - Relay for 4Way-Valve 1 Bit 13 - Relay for 4Way-Valve 2 Bit 14 - Relay for Gass Bypass 1
+28	Y20B Y20C Y20F1 20CHG Y52C1 X1	<b>Bitfields:</b> Bit 0 - Relay for Liquid Bypass Bit 1 - Solenoid valve C/Relay for Gas-Liquid Bypass Bit 2 - Solenoid valve F1/Relay for Oil Back 1 Bit 5 - Solenoid valve F1/Relay for Oil Back 1 Bit 6 - Relay for Inverter Compressor Bit 8 - Relay for Inverter Cooling Fan



Base Address	Input Registers	
	Short Name	Description
	X2	Bit 9 - Relay for Water Pump
+34	TBg	Relay Status [°C]
+35	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]

• Type Code = 2

Base Address	Input Registers	
	Short Name	Description
+0	Type Code = 2	
+1	ROMno	Outdoor Control PCB ROM number
+2	ForDfrst EmergRun TstRun HEXSt	<b>Bitfields:</b> Bit 1 - For Defrost Bit 2 - Emergency Run Bit 3 - Test Run Bit 12 - Heat Exchange State
+3	RunSt CycSt ProtLvl ProtCd	<b>Bitfields:</b> Bit 0 - Run State Bit 4 - Cycle State Bit 8 - Protection Level Bit 12 - Protection Code
+4	INVCD	Inverter Stop Reason Code
+5	INVSt	Inverter run state
+6	FANCD1	FANCD1
+7	FAN1St	FAN1 run state
+8	Comp1RunTm	Comp1 Run Time [Hr]
+9	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
+10	H1	Inverter Comp Frequency [Hz]
+11	Fo	Air Flow Fan Tap
+12	oE1	Expansion Valve 1 Opening [%]
+13	EVB	Bypass Exp.V Opening [%]
+14	Pd	Discharge (high) Pressure x 0.1 [MPa]
+15	Ps	Suction (low) Pressure [MPa]
+16	Td1	Inverter Compressor 1 Top Temperature [°C]
+19	Te1	Heat Exchanger Liquid Temperature 1 [°C]
+20	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]
+21	Ta	Outdoor Temperature [°C]
+22	Tfin	Inv Fin Temperature [°C]
+23	A12	Inv Comp1 2nd Current x2 [A]
+24	A1	Inverter Compressor Current [A]
+25	Info1	Control Information 1
+26	Info2	Control Information 2
+27	C11 C13 C14 C15 C16 C17 CH1 CH2 Y211 Y212 Y20A1	<b>Bitfields:</b> Bit 0 - Compression Ratio Reduction Prevention Restricted Control Bit 1 - High PR. Increase Prevention Restricted Control Bit 2 - Inverter Module Temp Increase Prevention Restricted Control Bit 3 - Td Increase Prevention Restricted Control Bit 4 - TdSH Reduction Prevention Restricted Control Bit 5 - Overcurrent Prevention Restricted Control Bit 10 - Relay for Crank Case Heater 1 Bit 11 - Relay for Crank Case Heater 2 Bit 12 - Relay for 4Way-Valve 1 Bit 13 - Relay for 4Way-Valve 2 Bit 14 - Relay for Gass Bypass 1



Base Address	Input Registers	
	Short Name	Description
	Y20A2	Bit 15 - Relay for Gass Bypass 2
+28	Y20B Y20C Y20F1 Y20F2 YCHG Y52C1 Y52C2 X1 X2	<b>Bitfields:</b> Bit 0 - Relay for Liquid Bypass Bit 1 - Solenoid valve C/Relay for Gas-Liquid Bypass Bit 2 - Solenoid valve F1/Relay for Oil Back 1 Bit 3 - Relay for Oil Back 2 Bit 5 - Automatic charge solenoid valve CHG Bit 6 - Relay for Inverter Compressor Bit 7 - Relay for Compressor2 Bit 8 - Relay for Inverter Cooling Fan Bit 9 - Relay for Water Pump
+29	Comp2RunTm	Comp2 Run Time [Hr]
+30	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]
+31	H2	Total Frequency [Hz]
+32	Td2	Compressor 2 Top Temperature [°C]
+33	Td	Operating Comp. Top Temperature [°C]
+34	TBg	Relay Status [°C]
+35	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]
+36	A2	Compressor2 Current [A]

• **Type Code = 4**

Base Address	Input Registers	
	Short Name	Description
+0	Type Code = 4	
+1	ROMno	Outdoor Control PCB ROM number
+2	ForDfrst EmergRun TstRun HEXSt	<b>Bitfields:</b> Bit 1 - For Defrost Bit 2 - Emergency Run Bit 3 - Test Run Bit 12 - Heat Exchange State
+3	RunSt CycSt ProtLvl ProtCd	<b>Bitfields:</b> Bit 0 - Run State Bit 4 - Cycle State Bit 8 - Protection Level Bit 12 - Protection Code
+4	INV1Cd	Inverter 1 Stop Reason Code
+5	INV1St	Inverter 1 run state
+6	FAN1Cd	FANCON 1 Stop Reason Code
+7	FAN1St	FANCON 1 Run State
+8	Comp1RunTm	Comp1 Run Time [Hr]
+9	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
+10	H1	Inverter 1 Comp Frequency x 0.1 [Hz]
+11	Fo	Air Flow Fan Tap
+12	oE1	Expansion Valve 1 Opening [%]
+13	EVB	Bypass Exp.V Opening [%]
+14	Pd	High Pressure [MPa]
+15	Ps	Suction (low) Pressure [MPa]
+16	Td1	Inverter Compressor 1 Top Temperature [°C]
+18	Tsc	Subcooler Temp [°C]
+19	Te1	Heat Exchanger Liquid Temperature 1 [°C]
+20	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]



Base Address	Input Registers	
	Short Name	Description
+21	Ta	Outdoor Temperature [°C]
+22	Tfin1	Inverter 1 Fin Temperature [°C]
+23	INV1A2	Inverter Comp 1 2nd Current x 0.1 [A]
+24	INV1A1	Inverter Compressor 1 Primary Current x 0.1 [A]
+25	Info1	Control Information 1 x 0.1 [Hz]
+26	Info2	Control Information 2 [°C]
+27	C11 C13 C14 C15 C16 C17 CH1 CH2 Y211 Y212 Y20A1	<b>Bitfields:</b> Bit 0 - Compression Ratio Reduction Prevention Restricted Control Bit 1 - High PR. Increase Prevention Restricted Control Bit 2 - Inverter Module Temp Increase Prevention Restricted Control Bit 3 - Td Increase Prevention Restricted Control Bit 4 - TdSH Reduction Prevention Restricted Control Bit 5 - Overcurrent Prevention Restricted Control Bit 10 - Relay for Crank Case Heater 1 Bit 11 - Relay for Crank Case Heater 2 Bit 12 - Relay for 4Way-Valve 1 Bit 13 - Relay for 4Way-Valve 2 Bit 14 - Relay for Gass Bypass 1
+28	Y20B Y20C Y20F YCHG RY1 RY2 20X1 20X2	<b>Bitfields:</b> Bit 0 - Relay for Liquid Bypass Bit 1 - Solenoid valve C/Relay for Gas-Liquid Bypass Bit 2 - Relay for Oil Back Bit 5 - Automatic charge solenoid valve CHG Bit 6 - Relay for Inverter Compressor Bit 7 - Relay for Compressor 2 Bit 8 - Relay for X1 Bit 9 - Relay for X2
+29	Comp2RunTm	Comp2 Run Time [Hr]
+30	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]
+31	H2	Inverter 2 Comp Frequency x 0.1 [Hz]
+32	Td2	Compressor 2 Top Temperature [°C]
+33	Td	Operating Comp. Top Temperature [°C]
+35	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]
+36	INV2A1	Inverter Compressor 2 Primary Current x 0.1 [A]
+45	Te2	Heat Exchanger Liquid Temperature 2 [°C]
+52	oE2	Expansion Valve 2 Opening [%]



### 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					00	Capa	Capacity [kBtu/h]
PIV					01	EEV	Electronic Expansion Valve [pls]
AI					02	Pipeln	Pipe In x 0.1 [°C]
AI					03	PipeOut	Pipe Out x 0.1 [°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					
					00	Type	
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 x 0.1
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 x 0.1 [°C]
AI					13	SuctT	Compressor suction temperature x 0.1 [°C]
AI					14	BubT	Condenser temperature x 0.1 [°C]
AI					15	DewT	Evaporator temperature x 0.1 [°C]
AI					16	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI					17	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]
AI					19	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI					20	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI					21	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI					22	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI					23	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI					24	LiqT	Liquid pipe temperature x 0.1 [°C]
AI					25	SHTrc	Current degree of super heat x 0.1 [°C]
AI					26	SCTrc	Current degree of subcooling x 0.1 [°C]
AI					27	SCSCTrc	Current degree of subcooling and super heat x



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
						0.1 [°C]
BI				28	4way	4 WAY valve
BI				29	CComp	Constant compressor
BI				30	HotGas	Hot gas
PIV				33	MICOM	MICOM version

### • SUPER3 Slave

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
				00	Type	
PIV				01	HiPrsTrc	Current high pressure [KPa]
PIV				02	LoPrsTrc	Current low pressure [KPa]
AI				03	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI				11	SuctT	Compressor suction temperature x 0.1 [°C]
AI				12	BubT	Condenser temperature x 0.1 [°C]
AI				13	DewT	Evaporator temperature x 0.1 [°C]
AI				14	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI				15	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]
AI				17	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI				18	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI				19	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI				20	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI				21	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI				22	LiqT	Liquid pipe temperature x 0.1 [°C]
AI				23	SHTrc	Current degree of super heat x 0.1 [°C]
AI				24	SCTrc	Current degree of subcooling x 0.1 [°C]
AI				25	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
BI				26	4way	4 WAY valve
BI				27	CComp	Constant compressor
BI				28	HotGas	Hot gas
PIV				31	MICOM	MICOM version

### • SUPER4 Master



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
CSV			01	Mode	Operation Mode
PIV			02	Err	Error Code
PIV			03	HiPrsTrg	Target high pressure [KPa]
PIV			04	LoPrsTrg	Target low pressure [KPa]
AI			05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]
PIV			06	HiPrsTrc	Current high pressure [KPa]
PIV			07	LoPrsTrc	Current low pressure [KPa]
AI			08	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI			14	SuctT	Compressor suction temperature x 0.1 [°C]
AI			15	BubT	Condenser temperature x 0.1 [°C]
AI			16	DewT	Evaporator temperature x 0.1 [°C]
AI			17	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI			18	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI			19	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI			20	LiqT	Liquid pipe temperature x 0.1 [°C]
AI			21	SHTrc	Current degree of super heat x 0.1 [°C]
AI			22	SCTrc	Current degree of subcooling x 0.1 [°C]
AI			23	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI			24	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV			25	Inv1InVT	Inverter 1 input voltage [V]
AI			26	Inv1PhsCT	Inverter 1 phase current x 0.1 [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	RcvIn	Normal close valve
BI			31	RcvOut	Normal open valve
BI			32	Inv1HtVlv	Inverter1 heater
BI			33	Inv2HtVlv	Inverter2 heater
BI			34	OilLvl1	Oil level 1
BI			35	OilLvl2	Oil level 2
BI			36	CompOper	Compressor operation
BI			37	Inv1Bkp	Inverter1 backup
BI			38	Inv2Bkp	Inverter2 backup
PIV			39	MICOM	MICOM version
PIV			40	Fan1Trc	FAN1 current RPM [rpm]
AI			41	ScInT	Subcooling inlet temperature x 0.1 [°C]
PIV			42	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV			43	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV			44	Fan2Trc	FAN2 current RPM [rpm]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				46	EqEEV	Oil supply EEV [pls]	
PIV				47	ViEEV1	Vapor injection EEV1 [pls]	
PIV				48	ViEEV2	Vapor injection EEV2 [pls]	
AI				49	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]	
AI				50	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI				51	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
PIV				52	CompQty	Compressor quantity	
PIV				53	Inv1Cap	Inverter 1 capacity [HP]	
PIV				54	Inv2Cap	Inverter 2 capacity [HP]	
AI				55	Inv2InCT	Inverter 2 input current x 0.1 [A]	
PIV				56	Inv2InVT	Inverter 2 input voltage [V]	
AI				57	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]	
PIV				58	Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV				59	Inv2IpmT	Inverter 2 IPM temperature [°C]	

#### • SUPER4 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV				01	HiPrsTrc	Current high pressure [KPa]	
PIV				02	LoPrsTrc	Current low pressure [KPa]	
AI				03	ComprRatio	Compression ratio x 0.1	
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 x 0.1 [°C]	
AI				09	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				10	BubT	Condenser temperature x 0.1 [°C]	
AI				11	DewT	Evaporator temperature x 0.1 [°C]	
AI				12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]	
AI				13	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				14	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				15	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				16	SHTrc	Current degree of super heat x 0.1 [°C]	
AI				17	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
AI				19	Inv1InCT	Inverter 1 input current x 0.1 [A]	
PIV				20	Inv1InVT	Inverter 1 input voltage [V]	
AI				21	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]	
PIV				22	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV				23	Inv1IpmT	Inverter 1 IPM temperature [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					24	4way	4 WAY valve
BI					25	RcvIn	Normal close valve
BI					26	RcvOut	Normal open valve
BI					27	Inv1HtVlv	Inverter1 heater
BI					28	Inv2HtVlv	Inverter2 heater
BI					29	OilLv1	Oil level 1
BI					30	OilLv2	Oil level 2
BI					31	CompOper	Compressor operation
BI					32	Inv1Bkp	Inverter1 backup
BI					33	Inv2Bkp	Inverter2 backup
PIV					34	MICOM	MICOM version
PIV					35	Fan1Trc	FAN1 current RPM [rpm]
AI					36	SchlT	Subcooling inlet temperature x 0.1 [°C]
PIV					37	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV					38	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV					39	Fan2Trc	FAN2 current RPM [rpm]
PIV					40	SubEEV	Sub EEV [pls]
PIV					41	EqEEV	Oil supply EEV [pls]
PIV					42	ViEEV1	Vapor injection EEV1 [pls]
PIV					43	ViEEV2	Vapor injection EEV2 [pls]
AI					44	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI					45	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI					46	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
PIV					47	CompQty	Compressor quantity
PIV					48	Inv1Cap	Inverter 1 capacity [HP]
PIV					49	Inv2Cap	Inverter 2 capacity [HP]
AI					50	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV					51	Inv2InVT	Inverter 2 input voltage [V]
AI					52	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV					53	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV					54	Inv2IpmT	Inverter 2 IPM temperature [°C]

#### • WATER4 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
CSV					01	Mode	Operation Mode
PIV					02	Err	Error Code
PIV					03	HiPrsTrg	Target high pressure [KPa]
PIV					04	LoPrsTrg	Target low pressure [KPa]
AI					05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]
PIV					06	HiPrsTrc	Current high pressure [KPa]
PIV					07	LoPrsTrc	Current low pressure [KPa]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
AI				08	ComprRatio	Compression ratio x 0.1	
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 x 0.1 [°C]	
AI				14	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				15	BubT	Condenser temperature x 0.1 [°C]	
AI				16	DewT	Evaporator temperature x 0.1 [°C]	
AI				17	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]	
AI				18	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				19	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				20	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				21	SHTrc	Current degree of super heat x 0.1 [°C]	
AI				22	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				23	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
AI				24	Inv1InCT	Inverter 1 input current x 0.1 [A]	
PIV				25	Inv1InVT	Inverter 1 input voltage [V]	
AI				26	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]	
PIV				27	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV				28	Inv1IpmT	Inverter 1 IPM temperature [°C]	
BI				29	4way	4 WAY valve	
BI				30	Inv1HtVlv	Inverter1 heater	
BI				31	OilLv1	Oil level 1	
BI				32	CompOper	Compressor operation	
BI				33	HotGas	Hot gas	
BI				34	Inv1Bkp	Inverter1 backup	
BI				35	DDC	DDC	
PIV				36	MICOM	MICOM version	
PIV				37	CompQty	Compressor quantity	

### • WATER4 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
				00	Type		
PIV				01	HiPrsTrc	Current high pressure [KPa]	
PIV				02	LoPrsTrc	Current low pressure [KPa]	
AI				03	ComprRatio	Compression ratio x 0.1	
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 x 0.1 [°C]	
AI				09	SuctT	Compressor suction temperature x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					10	BubT	Condenser temperature x 0.1 [°C]
AI					11	DewT	Evaporator temperature x 0.1 [°C]
AI					12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI					13	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI					14	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI					15	LiqT	Liquid pipe temperature x 0.1 [°C]
AI					16	SHTrc	Current degree of super heat x 0.1 [°C]
AI					17	SCTrc	Current degree of subcooling x 0.1 [°C]
AI					18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI					19	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV					20	Inv1InVT	Inverter 1 input voltage [V]
AI					21	Inv1PhsCT	Inverter 1 phase current x 0.1 [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			0
Type	Instance		Index				
	VA						
					00	Type	
CSV					01	Mode	Operation Mode
PIV					02	Err	Error Code
PIV					03	HiPrsTrg	Target high pressure [KPa]
PIV					04	LoPrsTrg	Target low pressure [KPa]
AI					05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]
PIV					06	HiPrsTrc	Current high pressure [KPa]
PIV					07	LoPrsTrc	Current low pressure [KPa]
AI					08	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI					14	SuctT	Compressor suction temperature x 0.1 [°C]
AI					15	BubT	Condenser temperature x 0.1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					16	DewT	Evaporator temperature x 0.1 [°C]
AI					17	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI					18	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI					19	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI					20	LiqT	Liquid pipe temperature x 0.1 [°C]
AI					21	SHTrc	Current degree of super heat x 0.1 [°C]
AI					22	SCTrc	Current degree of subcooling x 0.1 [°C]
AI					23	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI					24	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV					25	Inv1InVT	Inverter 1 input voltage [V]
AI					26	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
PIV					27	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV					28	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI					29	Inv1HtVlv	Inverter1 heater
BI					30	CompOper	Compressor operation
PIV					31	MICOM	MICOM version
PIV					32	Fan1Trc	FAN1 current RPM [rpm]
AI					33	ScInT	Subcooling inlet temperature x 0.1 [°C]
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					
					00	Type	
PIV					01	HiPrsTrc	Current high pressure [KPa]
PIV					02	LoPrsTrc	Current low pressure [KPa]
AI					03	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI					09	SuctT	Compressor suction temperature x 0.1 [°C]
AI					10	BubT	Condenser temperature x 0.1 [°C]
AI					11	DewT	Evaporator temperature x 0.1 [°C]
AI					12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI					13	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI					14	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI					15	LiqT	Liquid pipe temperature x 0.1 [°C]
AI					16	SHTrc	Current degree of super heat x 0.1 [°C]
AI					17	SCTrc	Current degree of subcooling x 0.1 [°C]
AI					18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI					19	Inv1InCT	Inverter 1 input current x 0.1 [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
AI				21	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]	
PIV				22	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV				23	Inv1IpmT	Inverter 1 IPM temperature [°C]	
BI				24	Inv1HtVlv	Inverter1 heater	
BI				25	CompOper	Compressor operation	
PIV				26	MICOM	MICOM version	
PIV				27	Fan1Trc	FAN1 current RPM [rpm]	
AI				28	ScInT	Subcooling inlet temperature x 0.1 [°C]	
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				01	Mode	Operation Mode	
PIV				02	Err	Error Code	
PIV				03	HiPrsTrg	Target high pressure [KPa]	
PIV				04	LoPrsTrg	Target low pressure [KPa]	
AI				05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]	
PIV				06	HiPrsTrc	Current high pressure [KPa]	
PIV				07	LoPrsTrc	Current low pressure [KPa]	
AI				08	ComprRatio	Compression ratio x 0.1	
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 x 0.1 [°C]	
AI				14	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				15	BubT	Condenser temperature x 0.1 [°C]	
AI				16	DewT	Evaporator temperature x 0.1 [°C]	
AI				17	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]	
AI				18	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				19	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				20	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				21	SHTrc	Current degree of super heat x 0.1 [°C]	
AI				22	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				23	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
AI				24	Inv1InCT	Inverter 1 input current x 0.1 [A]	
PIV				25	Inv1InVT	Inverter 1 input voltage [V]	
AI				26	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]	
PIV				27	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV				28	Inv1IpmT	Inverter 1 IPM temperature [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					29	4way	4 WAY valve
BI					30	RcvIn	Normal close valve
BI					31	RcvOut	Normal open valve
BI					32	Inv1HtVlv	Inverter1 heater
BI					33	Inv2HtVlv	Inverter2 heater
BI					34	OilLvl1	Oil level 1
BI					35	OilLvl2	Oil level 2
BI					36	CompOper	Compressor operation
BI					37	Inv1Bkp	Inverter1 backup
BI					38	Inv2Bkp	Inverter2 backup
PIV					39	MICOM	MICOM version
PIV					40	Fan1Trc	FAN1 current RPM [rpm]
AI					41	ScInT	Subcooling inlet temperature x 0.1 [°C]
PIV					42	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV					43	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV					44	Fan2Trc	FAN2 current RPM [rpm]
PIV					45	SubEEV	Sub EEV [pls]
PIV					46	ViEEV1	Vapor injection EEV1 [pls]
PIV					47	ViEEV2	Vapor injection EEV2 [pls]
AI					48	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI					49	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI					50	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
PIV					51	CompQty	Compressor quantity
PIV					52	Inv1Cap	Inverter 1 capacity [HP]
PIV					53	Inv2Cap	Inverter 2 capacity [HP]
AI					54	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV					55	Inv2InVT	Inverter 2 input voltage [V]
AI					56	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV					57	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV					58	Inv2IpmT	Inverter 2 IPM temperature [°C]

### • SUPER5 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
PIV					01	HiPrsTrc	Current high pressure [KPa]
PIV					02	LoPrsTrc	Current low pressure [KPa]
AI					03	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				10	BubT	Condenser temperature x 0.1 [°C]	
AI				11	DewT	Evaporator temperature x 0.1 [°C]	
AI				12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]	
AI				13	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				14	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				15	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				16	SHTrc	Current degree of super heat x 0.1 [°C]	
AI				17	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
AI				19	Inv1InCT	Inverter 1 input current x 0.1 [A]	
PIV				20	Inv1InVT	Inverter 1 input voltage [V]	
AI				21	Inv1PhsCT	Inverter 1 phase current x 0.1 [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	RcvIn	Normal close valve	
BI				26	RcvOut	Normal open valve	
BI				27	Inv1HtVlv	Inverter1 heater	
BI				28	Inv2HtVlv	Inverter2 heater	
BI				29	OilLvl1	Oil level 1	
BI				30	OilLvl2	Oil level 2	
BI				31	CompOper	Compressor operation	
BI				32	Inv1Bkp	Inverter1 backup	
BI				33	Inv2Bkp	Inverter2 backup	
PIV				34	MICOM	MICOM version	
PIV				35	Fan1Trc	FAN1 current RPM [rpm]	
AI				36	SclnT	Subcooling inlet temperature x 0.1 [°C]	
PIV				37	Inv2TrgFrq	Inverter 2 target frequency [Hz]	
PIV				38	Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV				39	Fan2Trc	FAN2 current RPM [rpm]	
PIV				40	SubEEV	Sub EEV [pls]	
PIV				41	ViEEV1	Vapor injection EEV1 [pls]	
PIV				42	ViEEV2	Vapor injection EEV2 [pls]	
AI				43	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]	
AI				44	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI				45	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
PIV				46	CompQty	Compressor quantity	
PIV				47	Inv1Cap	Inverter 1 capacity [HP]	
PIV				48	Inv2Cap	Inverter 2 capacity [HP]	
AI				49	Inv2InCT	Inverter 2 input current x 0.1 [A]	
PIV				50	Inv2InVT	Inverter 2 input voltage [V]	
AI				51	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]	
PIV				52	Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV				53	Inv2IpmT	Inverter 2 IPM temperature [°C]	





### 3.2.5 LGMV

#### 3.2.5.1 LGMV PRO Indoor Units

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

#### 3.2.5.2 LGMV PRO Outdoor Units

- MultiV IV Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
					00	Type	
CSV					01	Mode Operation Mode	
PIV					02	Err Error Code	
AI					03	AvgT Average indoor temperature x 0.1 [°C]	
PIV					04	HiPrsTrg Target high pressure [KPa]	
PIV					05	LoPrsTrg Target low pressure [KPa]	
AI					06	SCSHTrg Target degree of subcooling and super heat x 0.1 [°C]	
PIV					07	HiPrsTrc Current high pressure [KPa]	
PIV					08	LoPrsTrc Current low pressure [KPa]	
AI					09	ComprRatio Compression ratio x 0.1	
AI					10	SHTrg Target degree of super heat x 0.1 [°C]	
AI					11	SHTrc Current degree of super heat x 0.1 [°C]	
AI					12	SCTrc Current degree of subcooling x 0.1 [°C]	
AI					13	SCSCTrc Current degree of subcooling and super heat x 0.1 [°C]	
PIV					14	Inv1TrgFrq Inverter 1 target frequency [Hz]	
PIV					15	Inv1TrcFrq Inverter 1 current frequency [Hz]	
PIV					16	Inv2TrgFrq Inverter 2 target frequency [Hz]	
PIV					17	Inv2TrcFrq Inverter 2 current frequency [Hz]	
PIV					18	Fan1Trg FAN1 target RPM [rpm]	
PIV					19	Fan1Trc FAN1 current RPM [rpm]	
PIV					20	Fan2Trc FAN2 current RPM [rpm]	
PIV					21	MainEEV Main EEV [pls]	
PIV					22	SubEEV Sub EEV [pls]	
PIV					23	ScEEV Subcooling EEV [pls]	
PIV					24	EqEEV Oil supply EEV [pls]	
PIV					25	ViEEV1 Vapor injection EEV1 [pls]	
PIV					26	ViEEV2 Vapor injection EEV2 [pls]	
AI					27	AirT Outdoor air temperature x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				29	BubT	Condenser temperature x 0.1 [°C]	
AI				30	DewT	Evaporator temperature x 0.1 [°C]	
AI				31	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]	
AI				32	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]	
AI				33	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				34	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI				35	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
AI				36	ScInT	Subcooling inlet temperature x 0.1 [°C]	
AI				37	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				38	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				39	Inv1InCT	Inverter 1 input current x 0.1 [A]	
AI				40	Inv2InCT	Inverter 2 input current x 0.1 [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 x 0.1 [A]	
AI				46	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]	
AI				47	Fan1PhsCT	Fan1 phase current x 0.1 [A]	
AI				48	Fan2PhsCT	Fan2 phase current x 0.1 [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 x 0.1 [°C]	
PIV				55	DrifSnow	Drifted snow	
BI				56	Accum	Oil return valve	
BI				57	4way	4 WAY valve	
BI				58	HexVlv	Heat exchanger valve	
BI				59	HexUpVlv	Heat exchanger top valve	
BI				60	HexDnVlv	Heat exchanger bottom valve	
BI				61	RcvIn	Normal close valve	
BI				62	RcvOut	Normal open valve	
BI				63	SuctVlv	Suction valve	
BI				64	Inv1HtVlv	Inverter1 heater	
BI				65	Inv2HtVlv	Inverter2 heater	
BI				66	OilLv1	Oil level 1	
BI				67	OilLv2	Oil level 2	

- MultiV IV Slave



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	HiPrsTrc	Current high pressure [KPa]
PIV			02	LoPrsTrc	Current low pressure [KPa]
AI			03	ComprRatio	Compression ratio x 0.1
AI			04	SHTrg	Target degree of super heat x 0.1 [°C]
AI			05	SHTrc	Current degree of super heat x 0.1 [°C]
AI			06	SCTrc	Current degree of subcooling x 0.1 [°C]
AI			07	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
PIV			08	Inv1TrgFrq	Inverter 1 target frequency [Hz]
PIV			09	Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV			10	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV			11	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV			12	Fan1Trg	FAN1 target RPM [rpm]
PIV			13	Fan1Trc	FAN1 current RPM [rpm]
PIV			14	Fan2Trc	FAN2 current RPM [rpm]
PIV			15	MainEEV	Main EEV [pls]
PIV			16	SubEEV	Sub EEV [pls]
PIV			17	ScEEV	Subcooling EEV [pls]
PIV			18	EqEEV	Oil supply EEV [pls]
PIV			19	ViEEV1	Vapor injection EEV1 [pls]
PIV			20	ViEEV2	Vapor injection EEV2 [pls]
AI			21	AirT	Outdoor air temperature x 0.1 [°C]
AI			22	SuctT	Compressor suction temperature x 0.1 [°C]
AI			23	BubT	Condenser temperature x 0.1 [°C]
AI			24	DewT	Evaporator temperature x 0.1 [°C]
AI			25	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI			26	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI			27	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI			28	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI			29	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI			30	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI			31	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI			32	LiqT	Liquid pipe temperature x 0.1 [°C]
AI			33	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI			34	Inv2InCT	Inverter 2 input current x 0.1 [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 x 0.1 [A]
AI			40	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
AI			41	Fan1PhsCT	Fan1 phase current x 0.1 [A]
AI			42	Fan2PhsCT	Fan2 phase current x 0.1 [A]
PIV			43	FanDcLnk	Fan DC LINK voltage [V]
PIV			44	Inv1DcLnk	Inverter 1 DC LINK voltage [V]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				46	Inv1IpmT	Inverter 1 IPM temperature [°C]	
PIV				47	Inv2IpmT	Inverter 2 IPM temperature [°C]	
AI				48	FanHtSnkT	Outdoor fan heat sink temperature x 0.1 [°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	
BI				60	OilLv1	Oil level 1	
BI				61	OilLv2	Oil level 2	

#### • MultiV Plus II Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				01	Mode	Operation Mode	
PIV				02	Err	Error Code	
AI				03	AvgT	Average indoor temperature x 0.1 [°C]	
PIV				04	HiPrsTrg	Target high pressure [KPa]	
PIV				05	LoPrsTrg	Target low pressure [KPa]	
AI				06	SHTrg	Target degree of super heat x 0.1 [°C]	
AI				07	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]	
AI				08	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
PIV				09	HiPrsTrc	Current high pressure [KPa]	
PIV				10	LoPrsTrc	Current low pressure [KPa]	
AI				11	SHTrc	Current degree of super heat x 0.1 [°C]	
PIV				12	InvTrgFrq	Inverter target frequency [Hz]	
PIV				13	InvTrcFrq	Inverter current frequency [Hz]	
PIV				14	Fan1Trg	Fan1 target frequency [Hz]	
PIV				15	Fan1Trc	Fan1 current frequency [Hz]	
PIV				16	Fan2Trc	Fan2 current frequency [Hz]	
PIV				17	MainEEV	Main EEV [pls]	
PIV				18	ScEEV	Subcooling EEV [pls]	
AI				19	AirT	Outdoor air temperature x 0.1 [°C]	
AI				20	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				21	BubT	Condenser temperature x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					22	DewT	Evaporator temperature x 0.1 [°C]
AI					23	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI					24	CompDisT	Constant compressor discharge temperature x 0.1 [°C]
AI					25	HexTF	Heat exchanger pipe temperature (front) x 0.1 [°C]
AI					26	HexTB	Heat exchanger pipe temperature (back/rear) x 0.1 [°C]
AI					27	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI					28	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI					29	LiqT	Liquid pipe temperature x 0.1 [°C]
AI					30	InvCT	Inverter current value x 0.1 [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 x 0.1 [A]
AI					36	Fan1I	Fan1 current x 0.1 [A]
AI					37	Fan2I	Fan2 current x 0.1 [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	LiqJtInv	Liquid injection valve (inverter)
BI					47	LiqJtStd	Liquid injection valve (standard)
PIV					48	PCBVer	PCB version
PIV					49	EEPVer	EEP version

### • MultiV Plus II Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
PIV					01	HiPrsTrc	Current high pressure [KPa]
PIV					02	LoPrsTrc	Current low pressure [KPa]
AI					03	SHTrc	Current degree of super heat x 0.1 [°C]
PIV					04	InvTrgFrq	Inverter target frequency [Hz]
PIV					05	InvTrcFrq	Inverter current frequency [Hz]
PIV					06	Fan1Trg	Fan1 target frequency [Hz]
PIV					07	Fan1Trc	Fan1 current frequency [Hz]
PIV					08	Fan2Trc	Fan2 current frequency [Hz]
PIV					09	MainEEV	Main EEV [pls]
PIV					10	ScEEV	Subcooling EEV [pls]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					11	AirT	Outdoor air temperature x 0.1 [°C]
AI					12	SuctT	Compressor suction temperature x 0.1 [°C]
AI					13	BubT	Condenser temperature x 0.1 [°C]
AI					14	DewT	Evaporator temperature x 0.1 [°C]
AI					15	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI					16	CompDisT	Constant compressor discharge temperature x 0.1 [°C]
AI					17	HexTF	Heat exchanger pipe temperature (front) x 0.1 [°C]
AI					18	HexTB	Heat exchanger pipe temperature (back/rear) x 0.1 [°C]
AI					19	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI					20	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI					21	LiqT	Liquid pipe temperature x 0.1 [°C]
AI					22	InvCT	Inverter current value x 0.1 [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 x 0.1 [A]
AI					28	Fan1I	Fan1 current x 0.1 [A]
AI					29	Fan2I	Fan2 current x 0.1 [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	LiqJtInV	Liquid injection valve (inverter)
BI					39	LiqJtStd	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					
					00	Type	
CSV					01	Mode	Operation Mode
PIV					02	Err	Error Code
AI					03	AvgT	Average indoor temperature x 0.1 [°C]
PIV					04	HiPrsTrg	Target high pressure [KPa]
PIV					05	LoPrsTrg	Target low pressure [KPa]
AI					06	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
PIV			07	HiPrsTrc	Current high pressure [KPa]
PIV			08	LoPrsTrc	Current low pressure [KPa]
AI			09	ComprRatio	Compression ratio x 0.1
AI			10	SHTrg	Target degree of super heat x 0.1 [°C]
AI			11	SHTrc	Current degree of super heat x 0.1 [°C]
AI			12	SCTrc	Current degree of subcooling x 0.1 [°C]
AI			13	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
PIV			14	InvTrgFrq	Inverter target frequency [Hz]
PIV			15	InvTrcFrq	Inverter current frequency [Hz]
PIV			16	Fan1Trg	FAN1 target RPM [rpm]
PIV			17	Fan1Trc	FAN1 current RPM [rpm]
PIV			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 x 0.1 [°C]
AI			25	SuctT	Compressor suction temperature x 0.1 [°C]
AI			26	BubT	Condenser temperature x 0.1 [°C]
AI			27	DewT	Evaporator temperature x 0.1 [°C]
AI			28	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI			29	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]
AI			31	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI			32	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI			33	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI			34	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI			35	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI			36	LiqT	Liquid pipe temperature x 0.1 [°C]
AI			40	InvCT	Inverter current value x 0.1 [A]
AI			41	Comp1CT	Compressor1 current value [A]
PIV			43	InvV	Inverter voltage [V]
PIV			44	InvPwrFrq	Inverter power frequency [Hz]
AI			45	InvPhsCT	Inverter phase current x 0.1 [A]
AI			46	Fan1PhsCT	Fan1 phase current x 0.1 [A]
AI			47	Fan2PhsCT	Fan2 phase current x 0.1 [A]
PIV			48	InvDcLnk	Inverter DC LINK voltage [V]
AI			49	InvIpmT	Inverter IPM temperature x 0.1 [°C]
AI			50	FanHtSnkT	Outdoor fan heat sink temperature x 0.1 [°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	HexUpVlv	Heat exchanger top valve
BI			56	HexDnVlv	Heat exchanger bottom valve



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				58	Comp1	Compressor1	
BI				59	HotGas	Hot gas	
BI				60	Comp2	Compressor2	
BI				61	Comp1HtVlv	Compressor1 heater valve	
BI				62	Comp2HtVlv	Compressor2 heater 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			
PIV				01	HiPrsTrc	Current high pressure [KPa]	
PIV				02	LoPrsTrc	Current low pressure [KPa]	
AI				03	ComprRatio	Compression ratio x 0.1	
AI				04	SHTrg	Target degree of super heat x 0.1 [°C]	
AI				05	SHTrc	Current degree of super heat x 0.1 [°C]	
AI				06	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				07	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
PIV				08	InvTrgFrg	Inverter target frequency [Hz]	
PIV				09	InvTrcFrg	Inverter current frequency [Hz]	
PIV				10	Fan1Trg	FAN1 target RPM [rpm]	
PIV				11	Fan1Trc	FAN1 current 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 x 0.1 [°C]	
AI				19	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				20	BubT	Condenser temperature x 0.1 [°C]	
AI				21	DewT	Evaporator temperature x 0.1 [°C]	
AI				22	InvDisT	Inverter discharge temperature x 0.1 [°C]	
AI				23	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]	
AI				25	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				26	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI				27	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
AI				28	ScInT	Subcooling inlet temperature x 0.1 [°C]	





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				30	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				34	InvCT	Inverter current value x 0.1 [A]	
AI				35	Comp1CT	Compressor1 current value [A]	
PIV				37	InvV	Inverter voltage [V]	
PIV				38	InvPwrFrq	Inverter power frequency [Hz]	
AI				39	InvPhsCT	Inverter phase current x 0.1 [A]	
AI				40	Fan1PhsCT	Fan1 phase current x 0.1 [A]	
AI				41	Fan2PhsCT	Fan2 phase current x 0.1 [A]	
PIV				42	InvDcLnk	Inverter DC LINK voltage [V]	
AI				43	InvIpmT	Inverter IPM temperature x 0.1 [°C]	
AI				44	FanHtSnkT	Outdoor fan heat sink temperature x 0.1 [°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	HexUpVlv	Heat exchanger top valve	
BI				50	HexDnVlv	Heat exchanger bottom valve	
BI				51	InvHtVlv	Inverter heater valve	
BI				52	Comp1	Compressor1	
BI				53	HotGas	Hot gas	
BI				54	Comp2	Compressor2	
BI				55	Comp1HtVlv	Compressor1 heater valve	
BI				56	Comp2HtVlv	Compressor2 heater valve	
BI				57	InvIjt	Inverter injection valve	
BI				58	Comp1Ijt	Compressor1 injection valve	
BI				59	Comp2Ijt	Compressor2 injection valve	
BI				60	ScIjt	SC injection valve	
PIV				61	EEPVer	EEP version	

### • MultiV III HR Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV				01	Mode	Operation Mode	
PIV				02	Err	Error Code	
AI				03	AvgT	Average indoor temperature x 0.1 [°C]	
PIV				04	HiPrsTrg	Target high pressure [KPa]	
PIV				05	LoPrsTrg	Target low pressure [KPa]	
AI				06	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]	
PIV				07	HiPrsTrc	Current high pressure [KPa]	
PIV				08	LoPrsTrc	Current low pressure [KPa]	
AI				09	ComprRatio	Compression ratio x 0.1	
AI				10	SHTrg	Target degree of super heat x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				12	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				13	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
PIV				14	InvTrgFrq	Inverter target frequency [Hz]	
PIV				15	InvTrcFrq	Inverter current frequency [Hz]	
PIV				16	Fan1Trg	FAN1 target RPM [rpm]	
PIV				17	Fan1Trc	FAN1 current RPM [rpm]	
PIV				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 x 0.1 [°C]	
AI				25	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				26	BubT	Condenser temperature x 0.1 [°C]	
AI				27	DewT	Evaporator temperature x 0.1 [°C]	
AI				28	InvDisT	Inverter discharge temperature x 0.1 [°C]	
AI				29	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]	
AI				31	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				32	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI				33	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
AI				34	ScInT	Subcooling inlet temperature x 0.1 [°C]	
AI				35	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				36	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				40	InvCT	Inverter current value x 0.1 [A]	
AI				41	Comp1CT	Compressor1 current value [A]	
PIV				43	InvV	Inverter voltage [V]	
PIV				44	InvPwrFrq	Inverter power frequency [Hz]	
AI				45	InvPhsCT	Inverter phase current x 0.1 [A]	
AI				46	Fan1PhsCT	Fan1 phase current x 0.1 [A]	
AI				47	Fan2PhsCT	Fan2 phase current x 0.1 [A]	
PIV				48	InvDcLnk	Inverter DC LINK voltage [V]	
AI				49	InvIpmT	Inverter IPM temperature x 0.1 [°C]	
AI				50	FanHtSnkT	Outdoor fan heat sink temperature x 0.1 [°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	HexUpVlv	Heat exchanger top valve	
BI				56	HexDnVlv	Heat exchanger bottom valve	
BI				57	InvHtVlv	Inverter heater valve	
BI				58	Comp1	Compressor1	
BI				59	HotGas	Hot gas	
BI				60	Comp2	Compressor2	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
BI				61	Comp1HtVlv	Compressor1 heater valve
BI				62	Comp2HtVlv	Compressor2 heater 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
BI				67	4wayDn	4 WAY down valve
PIV				68	EEPVer	EEP version

### • MultiV III HR Slave

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
				00	Type	
PIV				01	HiPrsTrc	Current high pressure [KPa]
PIV				02	LoPrsTrc	Current low pressure [KPa]
AI				03	ComprRatio	Compression ratio x 0.1
AI				04	SHTrg	Target degree of super heat x 0.1 [°C]
AI				05	SHTrc	Current degree of super heat x 0.1 [°C]
AI				06	SCTrc	Current degree of subcooling x 0.1 [°C]
AI				07	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
PIV				08	InvTrgFrq	Inverter target frequency [Hz]
PIV				09	InvTrcFrq	Inverter current frequency [Hz]
PIV				10	Fan1Trg	FAN1 target RPM [rpm]
PIV				11	Fan1Trc	FAN1 current RPM [rpm]
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 x 0.1 [°C]
AI				19	SuctT	Compressor suction temperature x 0.1 [°C]
AI				20	BubT	Condenser temperature x 0.1 [°C]
AI				21	DewT	Evaporator temperature x 0.1 [°C]
AI				22	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI				23	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]
AI				25	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI				26	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI				27	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI				28	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI				29	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI				30	LiqT	Liquid pipe temperature x 0.1 [°C]
AI				34	InvCT	Inverter current value x 0.1 [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
PIV				37	InvV	Inverter voltage [V]	
PIV				38	InvPwrFrq	Inverter power frequency [Hz]	
AI				39	InvPhsCT	Inverter phase current x 0.1 [A]	
AI				40	Fan1PhsCT	Fan1 phase current x 0.1 [A]	
AI				41	Fan2PhsCT	Fan2 phase current x 0.1 [A]	
PIV				42	InvDcLnk	Inverter DC LINK voltage [V]	
AI				43	InvIpmT	Inverter IPM temperature x 0.1 [°C]	
AI				44	FanHtSnkT	Outdoor fan heat sink temperature x 0.1 [°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	HexUpVlv	Heat exchanger top valve	
BI				50	HexDnVlv	Heat exchanger bottom valve	
BI				51	InvHtVlv	Inverter heater valve	
BI				52	Comp1	Compressor1	
BI				53	HotGas	Hot gas	
BI				54	Comp2	Compressor2	
BI				55	Comp1HtVlv	Compressor1 heater valve	
BI				56	Comp2HtVlv	Compressor2 heater valve	
BI				57	InvIjt	Inverter injection valve	
BI				58	Comp1Ijt	Compressor1 injection valve	
BI				59	Comp2Ijt	Compressor2 injection valve	
BI				60	ScIjt	SC injection valve	
BI				61	4wayDn	4 WAY down 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			
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	NumIDU	Number of IDU	
PIV				06	SetP	Set pipe	
PIV				07	EEV	EEV [pls]	
AI				08	LiqT	Liquid temperature x 0.1 [°C]	
AI				09	InT	Pipe inlet temperature x 0.1 [°C]	
AI				10	OutT	Pipe outlet temperature x 0.1 [°C]	

### • SUPER3 Master



Object Identifier bits					Short Name	Object Description		
31	22	21	8	7			0	
Type	Instance		VA	Index				
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 x 0.1
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 x 0.1 [°C]
AI						13	SuctT	Compressor suction temperature x 0.1 [°C]
AI						14	BubT	Condenser temperature x 0.1 [°C]
AI						15	DewT	Evaporator temperature x 0.1 [°C]
AI						16	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI						17	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]
AI						19	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI						20	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI						21	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI						22	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI						23	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI						24	LiqT	Liquid pipe temperature x 0.1 [°C]
AI						25	SHTrc	Current degree of super heat x 0.1 [°C]
AI						26	SCTrc	Current degree of subcooling x 0.1 [°C]
AI						27	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
BI						28	4way	4 WAY valve
BI						29	CComp	Constant compressor
BI						30	HotGas	Hot gas
PIV						33	MICOM	MICOM version

### • SUPER3 Slave

Object Identifier bits					Short Name	Object Description		
31	22	21	8	7			0	
Type	Instance		VA	Index				
PIV						01	HiPrsTrc	Current high pressure [KPa]
PIV						02	LoPrsTrc	Current low pressure [KPa]
AI						03	ComprRatio	Compression ratio x 0.1
PIV						04	InvTrcFrq	Inverter current frequency [Hz]
PIV						05	Fan1Trc	Fan1 current frequency [Hz]
PIV						06	Fan2Trc	Fan2 current frequency [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				08	SubEEV	Sub EEV [pls]	
PIV				09	ScEEV	Subcooling EEV [pls]	
AI				10	AirT	Outdoor air temperature x 0.1 [°C]	
AI				11	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				12	BubT	Condenser temperature x 0.1 [°C]	
AI				13	DewT	Evaporator temperature x 0.1 [°C]	
AI				14	InvDisT	Inverter discharge temperature x 0.1 [°C]	
AI				15	Comp1DisT	Constant compressor1 discharge temperature x 0.1 [°C]	
AI				17	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				18	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI				19	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
AI				20	ScInT	Subcooling inlet temperature x 0.1 [°C]	
AI				21	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				22	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				23	SHTrc	Current degree of super heat x 0.1 [°C]	
AI				24	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				25	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
BI				26	4way	4 WAY valve	
BI				27	CComp	Constant compressor	
BI				28	HotGas	Hot gas	
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				01	Mode	Operation Mode	
PIV				02	Err	Error Code	
PIV				03	HiPrsTrg	Target high pressure [KPa]	
PIV				04	LoPrsTrg	Target low pressure [KPa]	
AI				05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]	
PIV				06	HiPrsTrc	Current high pressure [KPa]	
PIV				07	LoPrsTrc	Current low pressure [KPa]	
AI				08	ComprRatio	Compression ratio x 0.1	
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 x 0.1 [°C]	
AI				14	SuctT	Compressor suction temperature x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					15	BubT Condenser temperature x 0.1 [°C]	
AI					16	DewT Evaporator temperature x 0.1 [°C]	
AI					17	Inv1DisT Inverter 1 discharge temperature x 0.1 [°C]	
AI					18	HexT Heat exchanger pipe temperature x 0.1 [°C]	
AI					19	ScOutT Subcooling outlet temperature x 0.1 [°C]	
AI					20	LiqT Liquid pipe temperature x 0.1 [°C]	
AI					21	SHTrc Current degree of super heat x 0.1 [°C]	
AI					22	SCTrc Current degree of subcooling x 0.1 [°C]	
AI					23	SCSCTrc Current degree of subcooling and super heat x 0.1 [°C]	
AI					24	Inv1InCT Inverter 1 input current x 0.1 [A]	
PIV					25	Inv1InVT Inverter 1 input voltage [V]	
AI					26	Inv1PhsCT Inverter 1 phase current x 0.1 [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	RcvIn Normal close valve	
BI					31	RcvOut Normal open valve	
BI					32	Inv1HtVlv Inverter1 heater	
BI					33	Inv2HtVlv Inverter2 heater	
BI					34	OilLvl1 Oil level 1	
BI					35	OilLvl2 Oil level 2	
BI					36	CompOper Compressor operation	
BI					37	Inv1Bkp Inverter1 backup	
BI					38	Inv2Bkp Inverter2 backup	
PIV					39	MICOM MICOM version	
PIV					40	Fan1Trc FAN1 current RPM [rpm]	
AI					41	ScInT Subcooling inlet temperature x 0.1 [°C]	
PIV					42	Inv2TrgFrq Inverter 2 target frequency [Hz]	
PIV					43	Inv2TrcFrq Inverter 2 current frequency [Hz]	
PIV					44	Fan2Trc FAN2 current RPM [rpm]	
PIV					45	SubEEV Sub EEV [pls]	
PIV					46	EqEEV Oil supply EEV [pls]	
PIV					47	ViEEV1 Vapor injection EEV1 [pls]	
PIV					48	ViEEV2 Vapor injection EEV2 [pls]	
AI					49	Inv2DisT Inverter 2 discharge temperature x 0.1 [°C]	
AI					50	UpHexT Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI					51	LoHexT Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
PIV					52	CompQty Compressor quantity	
PIV					53	Inv1Cap Inverter 1 capacity [HP]	
PIV					54	Inv2Cap Inverter 2 capacity [HP]	
AI					55	Inv2InCT Inverter 2 input current x 0.1 [A]	
PIV					56	Inv2InVT Inverter 2 input voltage [V]	
AI					57	Inv2PhsCT Inverter 2 phase current x 0.1 [A]	
PIV					58	Inv2DcLnk Inverter 2 DC LINK voltage [V]	
PIV					59	Inv2IpmT Inverter 2 IPM temperature [°C]	



• SUPER4 Slave

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	HiPrsTrc	Current high pressure [KPa]
PIV			02	LoPrsTrc	Current low pressure [KPa]
AI			03	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI			09	SuctT	Compressor suction temperature x 0.1 [°C]
AI			10	BubT	Condenser temperature x 0.1 [°C]
AI			11	DewT	Evaporator temperature x 0.1 [°C]
AI			12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI			13	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI			14	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI			15	LiqT	Liquid pipe temperature x 0.1 [°C]
AI			16	SHTrc	Current degree of super heat x 0.1 [°C]
AI			17	SCTrc	Current degree of subcooling x 0.1 [°C]
AI			18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI			19	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV			20	Inv1InVT	Inverter 1 input voltage [V]
AI			21	Inv1PhsCT	Inverter 1 phase current x 0.1 [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	RcvIn	Normal close valve
BI			26	RcvOut	Normal open valve
BI			27	Inv1HtVlv	Inverter1 heater
BI			28	Inv2HtVlv	Inverter2 heater
BI			29	OilLvl1	Oil level 1
BI			30	OilLvl2	Oil level 2
BI			31	CompOper	Compressor operation
BI			32	Inv1Bkp	Inverter1 backup
BI			33	Inv2Bkp	Inverter2 backup
PIV			34	MICOM	MICOM version
PIV			35	Fan1Trc	FAN1 current RPM [rpm]
AI			36	ScInT	Subcooling inlet temperature x 0.1 [°C]
PIV			37	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV			38	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV			39	Fan2Trc	FAN2 current RPM [rpm]
PIV			40	SubEEV	Sub EEV [pls]
PIV			41	EqEEV	Oil supply EEV [pls]
PIV			42	ViEEV1	Vapor injection EEV1 [pls]
PIV			43	ViEEV2	Vapor injection EEV2 [pls]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI					45	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI					46	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
PIV					47	CompQty	Compressor quantity
PIV					48	Inv1Cap	Inverter 1 capacity [HP]
PIV					49	Inv2Cap	Inverter 2 capacity [HP]
AI					50	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV					51	Inv2InVT	Inverter 2 input voltage [V]
AI					52	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV					53	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV					54	Inv2IpmT	Inverter 2 IPM temperature [°C]

#### • WATER4 Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
CSV					01	Mode	Operation Mode
PIV					02	Err	Error Code
PIV					03	HiPrsTrg	Target high pressure [KPa]
PIV					04	LoPrsTrg	Target low pressure [KPa]
AI					05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]
PIV					06	HiPrsTrc	Current high pressure [KPa]
PIV					07	LoPrsTrc	Current low pressure [KPa]
AI					08	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI					14	SuctT	Compressor suction temperature x 0.1 [°C]
AI					15	BubT	Condenser temperature x 0.1 [°C]
AI					16	DewT	Evaporator temperature x 0.1 [°C]
AI					17	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI					18	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI					19	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI					20	LiqT	Liquid pipe temperature x 0.1 [°C]
AI					21	SHTrc	Current degree of super heat x 0.1 [°C]
AI					22	SCTrc	Current degree of subcooling x 0.1 [°C]
AI					23	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI					24	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV					25	Inv1InVT	Inverter 1 input voltage [V]
AI					26	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
PIV			27	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV			28	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI			29	4way	4 WAY valve
BI			30	Inv1HtVlv	Inverter1 heater
BI			31	OilLv1	Oil level 1
BI			32	CompOper	Compressor operation
BI			33	HotGas	Hot gas
BI			34	Inv1Bkp	Inverter1 backup
BI			35	DDC	DDC
PIV			36	MICOM	MICOM version
PIV			37	CompQty	Compressor quantity

### • WATER4 Slave

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	HiPrsTrc	Current high pressure [KPa]
PIV			02	LoPrsTrc	Current low pressure [KPa]
AI			03	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI			09	SuctT	Compressor suction temperature x 0.1 [°C]
AI			10	BubT	Condenser temperature x 0.1 [°C]
AI			11	DewT	Evaporator temperature x 0.1 [°C]
AI			12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI			13	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI			14	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI			15	LiqT	Liquid pipe temperature x 0.1 [°C]
AI			16	SHTrc	Current degree of super heat x 0.1 [°C]
AI			17	SCTrc	Current degree of subcooling x 0.1 [°C]
AI			18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI			19	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV			20	Inv1InVT	Inverter 1 input voltage [V]
AI			21	Inv1PhsCT	Inverter 1 phase current x 0.1 [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



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
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				
				00	Type	
CSV				01	Mode	Operation Mode
PIV				02	Err	Error Code
PIV				03	HiPrsTrg	Target high pressure [KPa]
PIV				04	LoPrsTrg	Target low pressure [KPa]
AI				05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]
PIV				06	HiPrsTrc	Current high pressure [KPa]
PIV				07	LoPrsTrc	Current low pressure [KPa]
AI				08	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI				14	SuctT	Compressor suction temperature x 0.1 [°C]
AI				15	BubT	Condenser temperature x 0.1 [°C]
AI				16	DewT	Evaporator temperature x 0.1 [°C]
AI				17	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI				18	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI				19	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI				20	LiqT	Liquid pipe temperature x 0.1 [°C]
AI				21	SHTrc	Current degree of super heat x 0.1 [°C]
AI				22	SCTrc	Current degree of subcooling x 0.1 [°C]
AI				23	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI				24	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV				25	Inv1InVT	Inverter 1 input voltage [V]
AI				26	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
PIV				27	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV				28	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI				29	Inv1HtVlv	Inverter1 heater
BI				30	CompOper	Compressor operation
PIV				31	MICOM	MICOM version
PIV				32	Fan1Trc	FAN1 current RPM [rpm]
AI				33	ScInT	Subcooling inlet temperature x 0.1 [°C]
PIV				34	CompQty	Compressor quantity



### • MULTIV\_S Slave

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	HiPrsTrc	Current high pressure [KPa]
PIV			02	LoPrsTrc	Current low pressure [KPa]
AI			03	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI			09	SuctT	Compressor suction temperature x 0.1 [°C]
AI			10	BubT	Condenser temperature x 0.1 [°C]
AI			11	DewT	Evaporator temperature x 0.1 [°C]
AI			12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI			13	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI			14	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI			15	LiqT	Liquid pipe temperature x 0.1 [°C]
AI			16	SHTrc	Current degree of super heat x 0.1 [°C]
AI			17	SCTrc	Current degree of subcooling x 0.1 [°C]
AI			18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI			19	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV			20	Inv1InVT	Inverter 1 input voltage [V]
AI			21	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
PIV			22	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV			23	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI			24	Inv1HtVlv	Inverter1 heater
BI			25	CompOper	Compressor operation
PIV			26	MICOM	MICOM version
PIV			27	Fan1Trc	FAN1 current RPM [rpm]
AI			28	ScInT	Subcooling inlet temperature x 0.1 [°C]
PIV			29	CompQty	Compressor quantity

### • SUPER5 Master

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
CSV			01	Mode	Operation Mode
PIV			02	Err	Error Code
PIV			03	HiPrsTrg	Target high pressure [KPa]
PIV			04	LoPrsTrg	Target low pressure [KPa]
AI			05	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]
PIV			06	HiPrsTrc	Current high pressure [KPa]
PIV			07	LoPrsTrc	Current low pressure [KPa]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
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 x 0.1 [°C]	
AI				14	SuctT	Compressor suction temperature x 0.1 [°C]	
AI				15	BubT	Condenser temperature x 0.1 [°C]	
AI				16	DewT	Evaporator temperature x 0.1 [°C]	
AI				17	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]	
AI				18	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI				19	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI				20	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI				21	SHTrc	Current degree of super heat x 0.1 [°C]	
AI				22	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI				23	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
AI				24	Inv1InCT	Inverter 1 input current x 0.1 [A]	
PIV				25	Inv1InVT	Inverter 1 input voltage [V]	
AI				26	Inv1PhsCT	Inverter 1 phase current x 0.1 [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	RcvIn	Normal close valve	
BI				31	RcvOut	Normal open valve	
BI				32	Inv1HtVlv	Inverter1 heater	
BI				33	Inv2HtVlv	Inverter2 heater	
BI				34	OilLv1	Oil level 1	
BI				35	OilLv2	Oil level 2	
BI				36	CompOper	Compressor operation	
BI				37	Inv1Bkp	Inverter1 backup	
BI				38	Inv2Bkp	Inverter2 backup	
PIV				39	MICOM	MICOM version	
PIV				40	Fan1Trc	FAN1 current RPM [rpm]	
AI				41	ScInT	Subcooling inlet temperature x 0.1 [°C]	
PIV				42	Inv2TrgFrq	Inverter 2 target frequency [Hz]	
PIV				43	Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV				44	Fan2Trc	FAN2 current RPM [rpm]	
PIV				45	SubEEV	Sub EEV [pls]	
PIV				46	ViEEV1	Vapor injection EEV1 [pls]	
PIV				47	ViEEV2	Vapor injection EEV2 [pls]	
AI				48	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]	
AI				49	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI				50	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
PIV				51	CompQty	Compressor quantity	
PIV				52	Inv1Cap	Inverter 1 capacity [HP]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
PIV				53	Inv2Cap	Inverter 2 capacity [HP]
AI				54	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV				55	Inv2InVT	Inverter 2 input voltage [V]
AI				56	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV				57	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV				58	Inv2IpmT	Inverter 2 IPM temperature [°C]

### • SUPER5 Slave

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
				00	Type	
PIV				01	HiPrsTrc	Current high pressure [KPa]
PIV				02	LoPrsTrc	Current low pressure [KPa]
AI				03	ComprRatio	Compression ratio x 0.1
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 x 0.1 [°C]
AI				09	SuctT	Compressor suction temperature x 0.1 [°C]
AI				10	BubT	Condenser temperature x 0.1 [°C]
AI				11	DewT	Evaporator temperature x 0.1 [°C]
AI				12	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI				13	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI				14	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI				15	LiqT	Liquid pipe temperature x 0.1 [°C]
AI				16	SHTrc	Current degree of super heat x 0.1 [°C]
AI				17	SCTrc	Current degree of subcooling x 0.1 [°C]
AI				18	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI				19	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV				20	Inv1InVT	Inverter 1 input voltage [V]
AI				21	Inv1PhsCT	Inverter 1 phase current x 0.1 [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	RcvIn	Normal close valve
BI				26	RcvOut	Normal open valve
BI				27	Inv1HtVlv	Inverter1 heater
BI				28	Inv2HtVlv	Inverter2 heater
BI				29	OilLv1	Oil level 1
BI				30	OilLv2	Oil level 2
BI				31	CompOper	Compressor operation
BI				32	Inv1Bkp	Inverter1 backup
BI				33	Inv2Bkp	Inverter2 backup



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					34	MICOM	MICOM version
PIV					35	Fan1Trc	FAN1 current RPM [rpm]
AI					36	ScInT	Subcooling inlet temperature x 0.1 [°C]
PIV					37	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV					38	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV					39	Fan2Trc	FAN2 current RPM [rpm]
PIV					40	SubEEV	Sub EEV [pls]
PIV					41	ViEEV1	Vapor injection EEV1 [pls]
PIV					42	ViEEV2	Vapor injection EEV2 [pls]
AI					43	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI					44	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI					45	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
PIV					46	CompQty	Compressor quantity
PIV					47	Inv1Cap	Inverter 1 capacity [HP]
PIV					48	Inv2Cap	Inverter 2 capacity [HP]
AI					49	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV					50	Inv2InVT	Inverter 2 input voltage [V]
AI					51	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV					52	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV					53	Inv2IpMT	Inverter 2 IPM temperature [°C]

### 3.2.6 ME (Mitsubishi Electric)

#### 3.2.6.1 ME PRO Indoor Units

- F/P

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV					00	Type	Indoor type string
AI					01	TH1	Room Thermistor [°C]
AI					02	TH2	Liquid Pipe Thermistor [°C]
AI					03	TH3	Gas Pipe Thermistor [°C]
AI					04	SH	Super Heat [°C]
AI					05	SC	Super Cool [°C]
IV					06	Li	LEV opening pulse

- PUHZ

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
CSV					00	Type	Indoor type string
AI					01	TH1	Room Thermistor [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					02	TH2	Liquid Pipe Thermistor [°C]
AI					03	TH3	Gas Pipe Thermistor [°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]
PIV					09	FAN	Fan capacity
PIV					10	HZ	Frequency
AI					11	SC	Super Cool
IV					12	LevA	LEV pulse of indoor unit
IV					13	LevB	LEV pulse of indoor unit

### • LOSSNEY

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	TH1	Room Thermistor [°C]
AI					02	TH2	Liquid Pipe Thermistor [°C]
PIV					03	SA	Supply Air
PIV					04	EA	Exhaust Air

### 3.2.6.2 ME PRO Outdoor Units

#### • PUMY-P100-140Y/VHM/36-48NHMU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
					00	Type	
AI					01	TH3	Thermistor 3 x 0.1 [°C]
AI					02	TH4	Thermistor 4 x 0.1 [°C]
AI					03	TH6	Thermistor 6 x 0.1 [°C]
AI					04	TH7	Thermistor 7 x 0.1 [°C]
AI					05	TH8	Thermistor 8 x 0.1 [°C]
AI					06	63HS	High pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI					07	Vdc	COMP bus voltage x 0.1 [V]
AI					08	li	Input Current x 0.1 [A]
AI					09	lc	Compressor Current x 0.1 [A]
PIV					10	F(Hz)	All temporary frequencies [Hz]
PIV					11	FAN	Fan output [Hz]
AI					12	Pdm	Target high pressure x 0.1
AI					13	ETm	Target Evaporation Temperature x 0.1 [°C]
AI					14	SC	Sub Cool
AI					15	SCm	Target Sub Cool





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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						
					00	Type	
AI					01	TH2 Thermistor 2 x 0.1 [°C]	
AI					02	TH3 Thermistor 3 x 0.1 [°C]	
AI					03	TH4 Thermistor 4 x 0.1 [°C]	
AI					04	TH6 Thermistor 6 x 0.1 [°C]	
AI					05	TH7 Thermistor 7 x 0.1 [°C]	
AI					06	TH8 Thermistor 8 x 0.1 [°C]	
AI					07	63HS High pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI					08	63LS 63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI					09	Vdc COMP bus voltage x 0.1 [V]	
AI					10	li Input Current x 0.1 [A]	
AI					11	lc Compressor Current x 0.1 [A]	
PIV					12	F(Hz) All temporary frequencies [Hz]	
PIV					13	FAN Fan output [Hz]	
AI					14	Pdm Target high pressure x 0.1	
AI					15	ETm Target Evaporation Temperature x 0.1 [°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]	

### • PUMY

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
PIV					01	OpeM OPERATION MODE	
PIV					02	State State	



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance				
	VA	Index			
PIV			03	F(Hz)	All temporary frequencies [Hz]
PIV			04	FAN	Fan output [Hz]
AI			07	Vdc	VDC x 0.1 [V]
AI			08	li	I(input) x 0.1 [A]
AI			09	lc	I(comp) x 0.1 [A]
AI			12	63HS	High pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI			13	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI			14	TH2	Thermistor 2 x 0.1 [°C]
AI			15	TH3	Thermistor 3 x 0.1 [°C]
AI			16	TH4	Thermistor 4 x 0.1 [°C]
AI			17	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI			18	TH7	Thermistor 7 x 0.1 [°C]
AI			19	TH8	Thermistor 8 x 0.1 [°C]
AI			21	SC	SC x 0.1 [°C]
AI			22	SCm	SCm x 0.1 [°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
AI			37	Pdm	Pdm x 0.1 [kg/cm <sup>2</sup> ]
AI			38	ETm	ETm x 0.1 [°C]
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]





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

• **PURY-P [capacity]**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
				00	Type		
AI				01	TH3	Thermistor 3 x 0.1 [°C]	
AI				02	TH4	Thermistor 4 x 0.1 [°C]	
AI				03	TH5	Thermistor 5 x 0.1 [°C]	
AI				04	TH6	Thermistor 6 x 0.1 [°C]	
AI				05	TH7	Thermistor 7 x 0.1 [°C]	
AI				06	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				07	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				08	THHS	Thermistor 9 x 0.1 [°C]	
AI				09	Tc	Condensing temperature x 0.1 [°C]	
AI				10	Te	Evaporating temperature x 0.1 [°C]	
AI				11	Vdc	COMP bus voltage x 0.1 [V]	
AI				12	Iu	U-Phase current effective value x 0.1 [A]	
AI				13	Iw	W-Phase current effective value x 0.1 [A]	
IV				14	F(Hz)	All temporary frequencies [Hz]	
PIV				15	FAN	Fan output [Hz]	
PIV				16	Foc	Temporary frequency [Hz]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	IV						
IV				18	QjH	Total capacity Heat	
BI				19	Dmnd	Demand	
BI				20	SV1a	SV1(A)/SV1a	
BI				21	Dmnd2	Demand2	
BI				22	Snow	Snow	
BI				23	Ngt	Night	
BI				24	Ngt2	Night2	
BI				25	21S4a	21S4a	
BI				26	21S4b	21S4b	
BI				27	SV5b	SV5b	
BI				28	SV5c	SV5c	
BI				29	52F	52F	
BI				30	SV9	SV9	
BI				31	SV4a	SV4a	
BI				32	SV4b	SV4b	
BI				33	SV4c	SV4c	
BI				34	SV4d	SV4d	
BI				35	CH21	CH21	
PIV				36	ALh	ALh	
AI				37	TH15	Thermistor 15 x 0.1 [°C]	
AI				38	TH16	Thermistor 16 x 0.1 [°C]	
AI				39	TH17	Thermistor 16 x 0.1 [°C]	
AI				40	TH18	Thermistor 18 x 0.1 [°C]	
PIV				41	OpeM	Operation Mode	
PIV				42	CtrlM	Control Mode	

### • PURY-P [capacity] (T/Y)NU-A

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				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				11	Iu	U-Phase current effective value x 0.1 [A]	
AI				12	Iw	W-Phase current effective value x 0.1 [A]	
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	



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
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 x 0.1 [kg/cm2]
AI			32	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI			33	TH3	Thermistor 3 x 0.1 [°C]
AI			34	TH4	Thermistor 4 x 0.1 [°C]
AI			35	TH5	Thermistor 5 x 0.1 [°C]
AI			36	TH7	Thermistor 7 x 0.1 [°C]
AI			37	TH15	Thermistor 15 x 0.1 [°C]
AI			45	Tc	Condensing temperature x 0.1 [°C]
AI			46	Te	Evaporating temperature x 0.1 [°C]
AI			47	THHS	Thermistor 9 x 0.1 [°C]
BI			48	Dmnd	Demand
BI			49	SV1a	SV1(A)/SV1a
BI			50	Dmnd2	Demand2
BI			51	Snow	Snow
BI			52	Ngt	Night
BI			53	Ngt2	Night2
BI			54	21S4a	21S4a
BI			55	21S4b	21S4b
PIV			56	ALh	ALh
BI			57	SV2	SV2
AI			68	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI			69	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]

• **PURY-P [capacity] (T/Y)NU-A**

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	CtrlM	Control Mode
PIV			02	OpeM	Operation Mode
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		Index				
	VA						
IV					07	QjH	Total capacity Heat
PIV					08	LEV2	LEV2 Linear expansion valve [pls]
AI					10	lu	U-Phase current effective value x 0.1 [A]
AI					11	lw	W-Phase current effective value x 0.1 [A]
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 x 0.1 [kg/cm2]
AI					29	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					30	TH3	Thermistor 3 x 0.1 [°C]
AI					31	TH4	Thermistor 4 x 0.1 [°C]
AI					32	TH5	Thermistor 5 x 0.1 [°C]
AI					33	TH7	Thermistor 7 x 0.1 [°C]
AI					34	TH15	Thermistor 15 x 0.1 [°C]
AI					40	Tc	Condensing temperature x 0.1 [°C]
AI					41	Te	Evaporating temperature x 0.1 [°C]
AI					42	THHS	Thermistor 9 x 0.1 [°C]
BI					43	Dmnd	Demand
BI					44	SV1a	SV1(A)/SV1a
BI					45	Dmnd2	Demand2
BI					46	Snow	Snow
BI					47	Ngt	Night
BI					48	Ngt2	Night2
BI					49	21S4a	21S4a
BI					50	21S4b	21S4b
PIV					51	ALh	ALh
BI					52	SV2	SV2
AI					63	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI					64	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]

- PURY-EP [capacity] (T/Y)NU-A



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				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QjC	Total capacity Cool	
IV				08	QjH	Total capacity Heat	
PIV				09	LEV2	LEV2 Linear expansion valve [pls]	
PIV				10	LEV4	Linear expansion valve [pls]	
AI				11	Iu	U-Phase current effective value x 0.1 [A]	
AI				12	Iw	W-Phase current effective value x 0.1 [A]	
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 x 0.1 [kg/cm2]	
AI				32	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				33	TH3	Thermistor 3 x 0.1 [°C]	
AI				34	TH4	Thermistor 4 x 0.1 [°C]	
AI				35	TH5	Thermistor 5 x 0.1 [°C]	
AI				36	TH7	Thermistor 7 x 0.1 [°C]	
AI				37	TH15	Thermistor 15 x 0.1 [°C]	
AI				45	Tc	Condensing temperature x 0.1 [°C]	
AI				46	Te	Evaporating temperature x 0.1 [°C]	
AI				47	THHS	Thermistor 9 x 0.1 [°C]	
BI				48	Dmnd	Demand	
BI				49	SV1a	SV1(A)/SV1a	
BI				50	Dmnd2	Demand2	
BI				51	Snow	Snow	
BI				52	Ngt	Night	
BI				53	Ngt2	Night2	
BI				54	21S4a	21S4a	
BI				55	21S4b	21S4b	
PIV				56	ALh	ALh	





Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
BI				57	SV2	SV2
AI				68	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI				69	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]

• **PURY-EP [capacity] (T/Y)NU-A**

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
				00	Type	
PIV				01	CtrlM	Control Mode
PIV				02	OpeM	Operation Mode
IV				03	F(Hz)	All temporary frequencies [Hz]
PIV				05	Foc	Temporary frequency [Hz]
PIV				06	FAN	Fan output [Hz]
IV				07	QjC	Total capacity Cool
IV				08	QjH	Total capacity Heat
PIV				09	LEV2	LEV2 Linear expansion valve [pls]
PIV				10	LEV4	Linear expansion valve [pls]
AI				12	lu	U-Phase current effective value x 0.1 [A]
AI				13	lw	W-Phase current effective value x 0.1 [A]
PIV				16	FAN(rpm)	FAN(rpm) [rpm]
PIV				17	FAN2(rpm)	FAN2(rpm) [rpm]
BI				18	IH	IH
PIV				19	FAN-Fr	Fan1 run status
PIV				20	FAN2-Fr	Fan2 run status
BI				21	RefChrgAdj	Ref Charge Adj
BI				22	WM	WM
BI				23	Rep	Repeater output
BI				24	72C	72C
BI				25	CompOn	Comp ON
BI				26	M-NetSup	M-NET supply
PIV				27	FAN2	FAN2
IV				28	Vdc	Bus voltage [V]
PIV				29	LEV2b	LEV2b [pls]
PIV				30	LEV2c	LEV2c [pls]
PIV				31	LEV2d	LEV2d
PIV				32	LEV9	LEV9 [pls]
AI				33	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI				34	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI				35	TH3	Thermistor 3 x 0.1 [°C]
AI				36	TH4	Thermistor 4 x 0.1 [°C]
AI				37	TH5	Thermistor 5 x 0.1 [°C]
AI				38	TH7	Thermistor 7 x 0.1 [°C]
AI				39	TH15	Thermistor 15 x 0.1 [°C]
AI				40	TH16	Thermistor 16 x 0.1 [°C]
AI				41	TH17	Thermistor 16 x 0.1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				50	Tc	Condensing temperature x 0.1 [°C]	
AI				51	Te	Evaporating temperature x 0.1 [°C]	
AI				52	THHS	Thermistor 9 x 0.1 [°C]	
BI				53	Dmnd	Demand	
BI				54	SV1a	SV1(A)/SV1a	
BI				55	Dmnd2	Demand2	
BI				56	Snow	Snow	
BI				57	Ngt	Night	
BI				58	Ngt2	Night2	
BI				59	21S4a	21S4a	
BI				60	21S4b	21S4b	
BI				61	21S4c	21S4c	
BI				62	CH21	CH21	
PIV				63	ALh	ALh	
BI				64	SV2	SV2	
AI				75	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				76	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]	

#### • PURY-EP [capacity] (T/Y)NU-A

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	
PIV				04	Fos	Temporary frequency [Hz]	
PIV				05	FAN	Fan output [Hz]	
IV				06	QjC	Total capacity Cool	
IV				07	QjH	Total capacity Heat	
PIV				08	LEV2	LEV2 Linear expansion valve [pls]	
PIV				09	LEV4	Linear expansion valve [pls]	
AI				10	Iu	U-Phase current effective value x 0.1 [A]	
AI				11	Iw	W-Phase current effective value x 0.1 [A]	
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]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					25	LEV2b	LEV2b [pls]
PIV					26	LEV2d	LEV2d
PIV					27	LEV9	LEV9 [pls]
AI					28	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					29	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					30	TH3	Thermistor 3 x 0.1 [°C]
AI					31	TH4	Thermistor 4 x 0.1 [°C]
AI					32	TH5	Thermistor 5 x 0.1 [°C]
AI					33	TH7	Thermistor 7 x 0.1 [°C]
AI					34	TH15	Thermistor 15 x 0.1 [°C]
AI					40	Tc	Condensing temperature x 0.1 [°C]
AI					41	Te	Evaporating temperature x 0.1 [°C]
AI					42	THHS	Thermistor 9 x 0.1 [°C]
BI					43	Dmnd	Demand
BI					44	SV1a	SV1(A)/SV1a
BI					45	Dmnd2	Demand2
BI					46	Snow	Snow
BI					47	Ngt	Night
BI					48	Ngt2	Night2
BI					49	21S4a	21S4a
BI					50	21S4b	21S4b
PIV					51	ALh	ALh
BI					52	SV2	SV2
AI					63	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI					64	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]

### • PURY-EP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
PIV					01	CtrlM	Control Mode
PIV					02	OpeM	Operation Mode
IV					03	F(Hz)	All temporary frequencies [Hz]
PIV					05	Foc	Temporary frequency [Hz]
PIV					06	FAN	Fan output [Hz]
IV					07	QjC	Total capacity Cool
IV					08	QjH	Total capacity Heat
PIV					09	LEV2	LEV2 Linear expansion valve [pls]
PIV					10	LEV4	Linear expansion valve [pls]
AI					11	Iu	U-Phase current effective value x 0.1 [A]
AI					12	Iw	W-Phase current effective value x 0.1 [A]
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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 x 0.1 [kg/cm2]	
AI				32	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				33	TH3	Thermistor 3 x 0.1 [°C]	
AI				34	TH4	Thermistor 4 x 0.1 [°C]	
AI				35	TH5	Thermistor 5 x 0.1 [°C]	
AI				36	TH7	Thermistor 7 x 0.1 [°C]	
AI				37	TH15	Thermistor 15 x 0.1 [°C]	
AI				38	TH18	Thermistor 18 x 0.1 [°C]	
AI				46	Tc	Condensing temperature x 0.1 [°C]	
AI				47	Te	Evaporating temperature x 0.1 [°C]	
AI				48	THHS	Thermistor 9 x 0.1 [°C]	
BI				49	Dmnd	Demand	
BI				50	SV1a	SV1(A)/SV1a	
BI				51	Dmnd2	Demand2	
BI				52	Snow	Snow	
BI				53	Ngt	Night	
BI				54	Ngt2	Night2	
BI				55	21S4a	21S4a	
BI				56	21S4b	21S4b	
BI				57	CH21	CH21	
PIV				58	ALh	ALh	
BI				59	SV2	SV2	
BI				60	SV10	SV10	
AI				71	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				72	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]	
BI				74	SV3	SV3	

#### • PURY-EP [capacity] (T/Y)NU-A

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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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 x 0.1 [A]	
AI				11	lw	W-Phase current effective value x 0.1 [A]	
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 x 0.1 [kg/cm <sup>2</sup> ]	
AI				29	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				30	TH3	Thermistor 3 x 0.1 [°C]	
AI				31	TH4	Thermistor 4 x 0.1 [°C]	
AI				32	TH5	Thermistor 5 x 0.1 [°C]	
AI				33	TH7	Thermistor 7 x 0.1 [°C]	
AI				34	TH15	Thermistor 15 x 0.1 [°C]	
AI				35	TH18	Thermistor 18 x 0.1 [°C]	
AI				41	Tc	Condensing temperature x 0.1 [°C]	
AI				42	Te	Evaporating temperature x 0.1 [°C]	
AI				43	THHS	Thermistor 9 x 0.1 [°C]	
BI				44	Dmnd	Demand	
BI				45	SV1a	SV1(A)/SV1a	
BI				46	Dmnd2	Demand2	
BI				47	Snow	Snow	
BI				48	Ngt	Night	
BI				49	Ngt2	Night2	
BI				50	21S4a	21S4a	
BI				51	21S4b	21S4b	
BI				52	CH21	CH21	
PIV				53	ALh	ALh	
BI				54	SV2	SV2	
BI				55	SV10	SV10	
AI				66	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
AI		67			THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		68			SV3	SV3

### • PURY-P [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
		00			Type	
AI		01			TH1	Thermistor 1 x 0.1 [°C]
AI		02			TH2	Thermistor 2 x 0.1 [°C]
AI		03			TH3	Thermistor 3 x 0.1 [°C]
AI		04			TH4	Thermistor 4 x 0.1 [°C]
AI		05			TH5	Thermistor 5 x 0.1 [°C]
AI		06			TH6	Thermistor 6 x 0.1 [°C]
AI		07			TH7	Thermistor 7 x 0.1 [°C]
AI		08			TH8	Thermistor 8 x 0.1 [°C]
AI		09			TH9	Thermistor 9 x 0.1 [°C]
AI		10			TH10	Thermistor 10 x 0.1 [°C]
AI		11			TH12	Thermistor 12 x 0.1 [°C]
AI		12			63HS	High pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI		13			63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI		14			THHS	Thermistor 9 x 0.1 [°C]
AI		15			THBOX	Thermistor in box x 0.1 [°C]
AI		16			Tc	Condensing temperature x 0.1 [°C]
AI		17			Te	Evaporating temperature x 0.1 [°C]
PIV		18			F(Hz)	All temporary frequencies [Hz]
PIV		19			FAN	Fan output [Hz]
PIV		20			QjC	Total capacity Cool
PIV		21			QjH	Total capacity Heat
AI		22			SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI		23			SCc	Coil outlet subcooling x 0.1 [°C]
AI		24			SHb	Coil bypass outlet superheat x 0.1 [°C]

### • PURY-EP [capacity] YNW-A/A1(-\*\*)

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
		00			Type	
PIV		01			CtrlM	Control Mode
PIV		02			OpeM	Operation Mode
IV		03			F(Hz)	All temporary frequencies [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		Index				
	VA						
PIV					09	LEV2	LEV2 Linear expansion valve [pls]
PIV					10	LEV2b	LEV2b [pls]
PIV					11	LEV2d	LEV2d
AI					13	lu	U-Phase current effective value x 0.1 [A]
AI					14	lw	W-Phase current effective value x 0.1 [A]
PIV					17	FAN(rpm)	FAN(rpm) [rpm]
IV					18	Vdc	Bus voltage [V]
PIV					19	LEV9	LEV9 [pls]
AI					20	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					21	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					22	TH3	Thermistor 3 x 0.1 [°C]
AI					23	TH4	Thermistor 4 x 0.1 [°C]
AI					24	TH5	Thermistor 5 x 0.1 [°C]
AI					25	TH7	Thermistor 7 x 0.1 [°C]
AI					26	TH15	Thermistor 15 x 0.1 [°C]
AI					33	Tc	Condensing temperature x 0.1 [°C]
AI					34	Te	Evaporating temperature x 0.1 [°C]
AI					35	THHS	Thermistor 9 x 0.1 [°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
AI					46	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
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

#### • PURY-P [capacity] YNW-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
AI					01	TH3	Thermistor 3 x 0.1 [°C]
AI					02	TH4	Thermistor 4 x 0.1 [°C]
AI					03	TH5	Thermistor 5 x 0.1 [°C]
AI					04	TH7	Thermistor 7 x 0.1 [°C]
AI					05	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					06	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					07	THHS	Thermistor 9 x 0.1 [°C]
AI					08	Tc	Condensing temperature x 0.1 [°C]
AI					09	Te	Evaporating temperature x 0.1 [°C]
IV					10	Vdc	COMP bus voltage x 0.1 [V]
AI					11	Iu	U-Phase current effective value x 0.1 [A]
AI					12	Iw	W-Phase current effective value x 0.1 [A]
IV					13	F(Hz)	All temporary frequencies [Hz]
PIV					14	FAN	Fan output [Hz]
PIV					15	Foc	Temporary frequency [Hz]
IV					16	QjC	Total capacity Cool
IV					17	QjH	Total capacity Heat
PIV					18	LEV2	LEV2 Linear expansion valve [pls]
BI					19	Dmnd	Demand
BI					20	SV1a	SV1(A)/SV1a
BI					21	Dmnd2	Demand2
BI					22	Snow	Snow
BI					23	Ngt	Night
BI					24	Ngt2	Night2
BI					25	21S4a	21S4a
BI					26	21S4b	21S4b
BI					27	CH21	CH21
PIV					28	ALh	ALh
BI					29	SV2	SV2
BI					30	IH	IH
BI					31	H-Def1	H-Def1
BI					32	H-Def2	H-Def2
PIV					33	FAN-Fr	Fan1 run status
AI					34	TH15	Thermistor 15 x 0.1 [°C]
AI					35	TH16	Thermistor 16 x 0.1 [°C]
AI					36	TH17	Thermistor 16 x 0.1 [°C]
AI					37	TH18	Thermistor 18 x 0.1 [°C]
AI					38	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
PIV					39	FAN(rpm)	FAN(rpm) [rpm]
PIV					40	LEV2b	LEV2b [pls]
PIV					41	LEV9	LEV9 [pls]
PIV					42	OpeM	Operation Mode
PIV					43	CtrlM	Control Mode
PIV					44	LEV2d	LEV2d
BI					45	CH22	CH22

• PURY-P [capacity] YNW-A/A1(-\*\*)

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





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QjC	Total capacity Cool	
IV				08	QjH	Total capacity Heat	
PIV				09	LEV2	LEV2 Linear expansion valve [pls]	
PIV				10	LEV2b	LEV2b [pls]	
PIV				11	LEV2d	LEV2d	
AI				12	lu	U-Phase current effective value x 0.1 [A]	
AI				13	lw	W-Phase current effective value x 0.1 [A]	
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 x 0.1 [kg/cm2]	
AI				22	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				23	TH3	Thermistor 3 x 0.1 [°C]	
AI				24	TH4	Thermistor 4 x 0.1 [°C]	
AI				25	TH5	Thermistor 5 x 0.1 [°C]	
AI				26	TH7	Thermistor 7 x 0.1 [°C]	
AI				27	TH15	Thermistor 15 x 0.1 [°C]	
AI				35	Tc	Condensing temperature x 0.1 [°C]	
AI				36	Te	Evaporating temperature x 0.1 [°C]	
AI				37	THHS	Thermistor 9 x 0.1 [°C]	
BI				38	Dmnd	Demand	
BI				39	SV1a	SV1(A)/SV1a	
BI				40	Dmnd2	Demand2	
BI				41	Snow	Snow	
BI				42	Ngt	Night	
BI				43	Ngt2	Night2	
BI				44	21S4a	21S4a	
BI				45	21S4b	21S4b	
BI				46	SV2	SV2	
AI				48	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				49	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]	
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	



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

### • PURY-P [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
				00	Type	
AI				01	TH2	Thermistor 2 x 0.1 [°C]
AI				02	TH3	Thermistor 3 x 0.1 [°C]
AI				03	TH4	Thermistor 4 x 0.1 [°C]
AI				04	TH5	Thermistor 5 x 0.1 [°C]
AI				05	TH6	Thermistor 6 x 0.1 [°C]
AI				06	TH7	Thermistor 7 x 0.1 [°C]
AI				07	TH9	Thermistor 9 x 0.1 [°C]
AI				08	TH10	Thermistor 10 x 0.1 [°C]
AI				09	TH11	Thermistor 11 x 0.1 [°C]
AI				10	TH12	Thermistor 12 x 0.1 [°C]
AI				11	63HS	High pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				12	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				13	THHS	Thermistor 9 x 0.1 [°C]
AI				14	Tc	Condensing temperature x 0.1 [°C]
AI				15	Te	Evaporating temperature x 0.1 [°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-(E)P [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
				00	Type	
AI				01	TH3	Thermistor 3 x 0.1 [°C]
AI				02	TH4	Thermistor 4 x 0.1 [°C]
AI				03	TH5	Thermistor 5 x 0.1 [°C]
AI				04	TH6	Thermistor 6 x 0.1 [°C]
AI				05	TH7	Thermistor 7 x 0.1 [°C]
AI				06	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				07	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				08	THHS	Thermistor 9 x 0.1 [°C]
AI				09	Tc	Condensing temperature x 0.1 [°C]
AI				10	Te	Evaporating temperature x 0.1 [°C]
AI				11	Vdc	COMP bus voltage x 0.1 [V]
AI				12	Iu	U-Phase current effective value x 0.1 [A]
AI				13	Iw	W-Phase current effective value x 0.1 [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	IV						
PIV				15	FAN	Fan output [Hz]	
PIV				16	Foc	Temporary frequency [Hz]	
IV				17	QjC	Total capacity Cool	
IV				18	QjH	Total capacity Heat	
BI				19	Dmnd	Demand	
BI				20	SV1a	SV1(A)/SV1a	
BI				21	Dmnd2	Demand2	
BI				22	Snow	Snow	
BI				23	Ngt	Night	
BI				24	Ngt2	Night2	
BI				25	21S4a	21S4a	
BI				26	SV5b	SV5b	
BI				27	SV9	SV9	
BI				28	SV4a	SV4a	
BI				29	SV4b	SV4b	
BI				30	SV4d	SV4d	
BI				31	CH21	CH21	
PIV				32	ALh	ALh	
BI				33	IH	IH	
AI				34	TH15	Thermistor 15 x 0.1 [°C]	
AI				35	TH16	Thermistor 16 x 0.1 [°C]	
AI				36	TH17	Thermistor 16 x 0.1 [°C]	
AI				37	TH18	Thermistor 18 x 0.1 [°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			
AI				01	TH3	Thermistor 3 x 0.1 [°C]	
AI				02	TH4	Thermistor 4 x 0.1 [°C]	
AI				03	TH5	Thermistor 5 x 0.1 [°C]	
AI				04	TH6	Thermistor 6 x 0.1 [°C]	
AI				05	TH7	Thermistor 7 x 0.1 [°C]	
AI				06	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				07	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				08	THHS	Thermistor 9 x 0.1 [°C]	
AI				09	Tc	Condensing temperature x 0.1 [°C]	
AI				10	Te	Evaporating temperature x 0.1 [°C]	
AI				11	Vdc	COMP bus voltage x 0.1 [V]	
AI				12	Iu	U-Phase current effective value x 0.1 [A]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
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)P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI					01	TH3	Thermistor 3 x 0.1 [°C]
AI					02	TH4	Thermistor 4 x 0.1 [°C]
AI					03	TH5	Thermistor 5 x 0.1 [°C]
AI					04	TH6	Thermistor 6 x 0.1 [°C]
AI					05	TH7	Thermistor 7 x 0.1 [°C]
AI					06	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					07	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					08	THHS	Thermistor 9 x 0.1 [°C]
AI					09	Tc	Condensing temperature x 0.1 [°C]
AI					10	Te	Evaporating temperature x 0.1 [°C]
AI					11	Vdc	COMP bus voltage x 0.1 [V]
AI					12	lu	U-Phase current effective value x 0.1 [A]
AI					13	lw	W-Phase current effective value x 0.1 [A]
PIV					14	FAN	Fan output [Hz]
IV					15	QjC	Total capacity Cool
IV					16	QjH	Total capacity Heat

### • PURY-P [capacity] ZKMU-A

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					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					12	lu	U-Phase current effective value x 0.1 [A]
AI					13	lw	W-Phase current effective value x 0.1 [A]
PIV					15	FAN(rpm)	FAN(rpm) [rpm]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				17	FAN2	FAN2	
IV				18	Vdc	Bus voltage [V]	
AI				19	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				20	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				21	TH3	Thermistor 3 x 0.1 [°C]	
AI				22	TH4	Thermistor 4 x 0.1 [°C]	
AI				23	TH5	Thermistor 5 x 0.1 [°C]	
AI				24	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				25	TH7	Thermistor 7 x 0.1 [°C]	
AI				26	TH15	Thermistor 15 x 0.1 [°C]	
AI				27	TH16	Thermistor 16 x 0.1 [°C]	
AI				28	TH17	Thermistor 16 x 0.1 [°C]	
AI				29	TH18	Thermistor 18 x 0.1 [°C]	
AI				37	Tc	Condensing temperature x 0.1 [°C]	
AI				38	Te	Evaporating temperature x 0.1 [°C]	
AI				39	THHS	Thermistor 9 x 0.1 [°C]	
BI				43	Dmnd	Demand	
BI				44	52C	52C	
BI				45	SV1a	SV1(A)/SV1a	
BI				46	Dmnd2	Demand2	
BI				47	Snow	Snow	
BI				48	Ngt	Night	
BI				49	Ngt2	Night2	
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-M [capacity]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				02	TH4	Thermistor 4 x 0.1 [°C]	
AI				03	TH7	Thermistor 7 x 0.1 [°C]	
AI				04	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				05	TH5	Thermistor 5 x 0.1 [°C]	
PIV				06	OpeM	Operation Mode	
AI				07	TH3	Thermistor 3 x 0.1 [°C]	
AI				08	THHS	Thermistor 9 x 0.1 [°C]	
AI				09	Tc	Condensing temperature x 0.1 [°C]	
AI				10	Te	Evaporating temperature x 0.1 [°C]	
IV				11	Vdc	Bus voltage [V]	
AI				12	TH15	Thermistor 15 x 0.1 [°C]	
BI				13	Dmnd	Demand	
BI				14	SV1a	SV1(A)/SV1a	
BI				15	Dmnd2	Demand2	
BI				16	Snow	Snow	
BI				17	Ngt	Night	
BI				18	Ngt2	Night2	
BI				19	21S4a	21S4a	
BI				20	21S4b	21S4b	
AI				22	lu	U-Phase current effective value x 0.1 [A]	
AI				23	lw	W-Phase current effective value x 0.1 [A]	
PIV				24	CtrlM	Control Mode	
IV				27	F(Hz)	All temporary frequencies [Hz]	
IV				28	QjC	Total capacity Cool	
IV				29	QjH	Total capacity Heat	
PIV				30	FAN	Fan output [Hz]	
PIV				31	Foc	Temporary frequency [Hz]	
BI				35	SV2	SV2	
PIV				36	LEV9	LEV9 [pls]	
PIV				37	LEV2a	LEV2a [pls]	
PIV				38	LEV2b	LEV2b [pls]	
AI				39	LEV2d	LEV2d	
PIV				40	LEV4	Linear expansion valve [pls]	
PIV				41	FAN-Fr	Fan1 run status	
PIV				42	FAN	Fan output [Hz]	
BI				43	IH	IH	
BI				44	H-Def1	H-Def1	
BI				45	H-Def2	H-Def2	
AI				46	THHS	Thermistor 9 x 0.1 [°C]	

- **PURY-P [capacity]**



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	TH1	Thermistor 1 x 0.1 [°C]	
AI				02	TH2	Thermistor 2 x 0.1 [°C]	
AI				03	TH5	Thermistor 5 x 0.1 [°C]	
AI				04	TH6	Thermistor 6 x 0.1 [°C]	
AI				05	TH7	Thermistor 7 x 0.1 [°C]	
AI				06	63HS	High pressure sensor x 0.1 [kg/cm2]	
AI				07	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				08	THHS	Thermistor 9 x 0.1 [°C]	
AI				09	Tc	Condensing temperature x 0.1 [°C]	
AI				10	Te	Evaporating temperature x 0.1 [°C]	
AI				11	Vdc	COMP bus voltage x 0.1 [V]	
AI				12	Iu	U-Phase current effective value x 0.1 [A]	
AI				13	Iw	W-Phase current effective value x 0.1 [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			
AI				01	TH5	Thermistor 5 x 0.1 [°C]	
AI				02	TH6	Thermistor 6 x 0.1 [°C]	
AI				03	TH7	Thermistor 7 x 0.1 [°C]	
AI				04	TH11	Thermistor 11 x 0.1 [°C]	
AI				05	63HS	High pressure sensor x 0.1 [kg/cm2]	
AI				06	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				07	Tc	Condensing temperature x 0.1 [°C]	
AI				08	Te	Evaporating temperature x 0.1 [°C]	
AI				09	Vdc	COMP bus voltage x 0.1 [V]	
AI				10	Iu	U-Phase current effective value x 0.1 [A]	
AI				11	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI				17	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				18	SHb	Coil bypass outlet superheat x 0.1 [°C]	

#### • PURY-P [capacity]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
AI					01	TH5 Thermistor 5 x 0.1 [°C]	
AI					02	TH6 Thermistor 6 x 0.1 [°C]	
AI					03	TH7 Thermistor 7 x 0.1 [°C]	
AI					04	TH11 Thermistor 11 x 0.1 [°C]	
AI					05	TH12 Thermistor 12 x 0.1 [°C]	
AI					06	63HS High pressure sensor x 0.1 [kg/cm2]	
AI					07	63LS 63LS Pressure sensor x 0.1 [kg/cm2]	
AI					08	Tc Condensing temperature x 0.1 [°C]	
AI					09	Te Evaporating temperature x 0.1 [°C]	
AI					10	Vdc COMP bus voltage x 0.1 [V]	
AI					11	Iu U-Phase current effective value x 0.1 [A]	
AI					12	Iw W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI					18	SCc Coil outlet subcooling x 0.1 [°C]	
AI					19	SHb Coil bypass outlet superheat x 0.1 [°C]	

• **PURY-P [capacity] TLMU/YLMU**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
PIV					01	CtrlM Control Mode	
PIV					02	OpeM Operation Mode	
IV					03	F(Hz) All temporary frequencies [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 x 0.1 [A]	
AI					11	Iw W-Phase current effective value x 0.1 [A]	
PIV					13	FAN(rpm) FAN(rpm) [rpm]	
IV					14	Vdc Bus voltage [V]	
AI					15	63HS1 63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI					16	63LS 63LS Pressure sensor x 0.1 [kg/cm2]	
AI					17	TH3 Thermistor 3 x 0.1 [°C]	
AI					18	TH4 Thermistor 4 x 0.1 [°C]	
AI					19	TH5 Thermistor 5 x 0.1 [°C]	
AI					20	TH6 Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI					21	TH7 Thermistor 7 x 0.1 [°C]	





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				23	TH16	Thermistor 16 x 0.1 [°C]	
AI				24	TH17	Thermistor 16 x 0.1 [°C]	
AI				25	TH18	Thermistor 18 x 0.1 [°C]	
AI				32	Tc	Condensing temperature x 0.1 [°C]	
AI				33	Te	Evaporating temperature x 0.1 [°C]	
AI				34	THHS	Thermistor 9 x 0.1 [°C]	
BI				38	Dmnd	Demand	
BI				39	SV1a	SV1(A)/SV1a	
BI				40	Dmnd2	Demand2	
BI				41	Snow	Snow	
BI				42	NgT	Night	
BI				43	NgT2	Night2	
BI				44	21S4a	21S4a	
BI				45	SV5b	SV5b	
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	SV9	SV9	
BI				54	SV4a	SV4a	
BI				55	SV4b	SV4b	
BI				56	SV4d	SV4d	
BI				57	CH21	CH21	
PIV				58	ALh	ALh	
BI				59	SV7	SV7	

### • PURY-P [capacity] (T/Y)LMU

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	TH3	Thermistor 3 x 0.1 [°C]	
AI				02	TH4	Thermistor 4 x 0.1 [°C]	
AI				03	TH5	Thermistor 5 x 0.1 [°C]	
AI				04	TH6	Thermistor 6 x 0.1 [°C]	
AI				05	TH7	Thermistor 7 x 0.1 [°C]	
AI				06	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				07	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				08	THHS	Thermistor 9 x 0.1 [°C]	
AI				09	Tc	Condensing temperature x 0.1 [°C]	
AI				10	Te	Evaporating temperature x 0.1 [°C]	
IV				11	Vdc	Bus voltage [V]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance		VA	Index		
	AI					
AI				13	lw	W-Phase current effective value x 0.1 [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-P [capacity] TLMU/YLMU

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
PIV				04	Fos	Temporary frequency [Hz]
PIV				05	FAN	Fan output [Hz]
IV				06	QjC	Total capacity Cool
IV				07	QjH	Total capacity Heat
PIV				08	LEV5a	LEV5a [pls]
AI				09	lu	U-Phase current effective value x 0.1 [A]
AI				10	lw	W-Phase current effective value x 0.1 [A]
PIV				12	FAN(rpm)	FAN(rpm) [rpm]
IV				13	Vdc	Bus voltage [V]
AI				14	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				15	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				16	TH3	Thermistor 3 x 0.1 [°C]
AI				17	TH4	Thermistor 4 x 0.1 [°C]
AI				18	TH5	Thermistor 5 x 0.1 [°C]
AI				19	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI				20	TH7	Thermistor 7 x 0.1 [°C]
AI				21	TH15	Thermistor 15 x 0.1 [°C]
AI				22	TH16	Thermistor 16 x 0.1 [°C]
AI				23	TH17	Thermistor 16 x 0.1 [°C]
AI				24	TH18	Thermistor 18 x 0.1 [°C]
AI				29	Tc	Condensing temperature x 0.1 [°C]
AI				30	Te	Evaporating temperature x 0.1 [°C]
AI				31	THHS	Thermistor 9 x 0.1 [°C]
BI				33	Dmnd	Demand
BI				34	SV1a	SV1(A)/SV1a
BI				35	Dmnd2	Demand2
BI				36	Snow	Snow
BI				37	Ngt	Night
BI				38	Ngt2	Night2
BI				39	21S4a	21S4a



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				41	IH	IH	
PIV				42	FAN-Fr	Fan1 run status	
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	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-(E)P [capacity]

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				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QjC	Total capacity Cool	
IV				08	QjH	Total capacity Heat	
AI				10	lu	U-Phase current effective value x 0.1 [A]	
AI				11	lw	W-Phase current effective value x 0.1 [A]	
AI				13	Vdc	COMP bus voltage x 0.1 [V]	
AI				14	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				15	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				16	TH3	Thermistor 3 x 0.1 [°C]	
AI				17	TH4	Thermistor 4 x 0.1 [°C]	
AI				18	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				19	TH7	Thermistor 7 x 0.1 [°C]	
AI				26	Tc	Condensing temperature x 0.1 [°C]	
AI				27	Te	Evaporating temperature x 0.1 [°C]	
AI				28	THHS	Thermistor 9 x 0.1 [°C]	
AI				29	THBOX	Thermistor in box x 0.1 [°C]	
BI				32	Dmnd	Demand	
BI				33	SV1a	SV1(A)/SV1a	
BI				34	Dmnd2	Demand2	
BI				35	Snow	Snow	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				37	Ngt2	Night2	
BI				38	21S4a	21S4a	
BI				39	SV5b	SV5b	
BI				40	SV5c	SV5c	
BI				41	Pwr	Power source frequency	
BI				42	WM	WM	
BI				43	Rep	Repeater output	
BI				44	M-NetSup	M-NET supply	
BI				45	SV9	SV9	
BI				46	SV4a	SV4a	
BI				47	SV4b	SV4b	
BI				48	SV4d	SV4d	
BI				49	SV2	SV2	
BI				50	INV-FAN1	INV-FAN1	

#### • PURY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				02	TH4	Thermistor 4 x 0.1 [°C]	
AI				03	TH7	Thermistor 7 x 0.1 [°C]	
AI				04	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				05	TH5	Thermistor 5 x 0.1 [°C]	
PIV				06	OpeM	Operation Mode	
AI				07	TH3	Thermistor 3 x 0.1 [°C]	
AI				08	TH6	Thermistor 6 x 0.1 [°C]	
AI				09	THHS	Thermistor 9 x 0.1 [°C]	
AI				10	Tc	Condensing temperature x 0.1 [°C]	
AI				11	Te	Evaporating temperature x 0.1 [°C]	
AI				12	Vdc	COMP bus voltage x 0.1 [V]	
AI				13	TH15	Thermistor 15 x 0.1 [°C]	
AI				14	TH16	Thermistor 16 x 0.1 [°C]	
AI				15	TH17	Thermistor 16 x 0.1 [°C]	
AI				16	TH18	Thermistor 18 x 0.1 [°C]	
BI				17	Dmnd	Demand	
BI				18	SV1a	SV1(A)/SV1a	
BI				19	Dmnd2	Demand2	
BI				20	Snow	Snow	
BI				21	Ngt	Night	
BI				22	Ngt2	Night2	
BI				23	21S4a	21S4a	
BI				24	SV5b	SV5b	
BI				25	SV5c	SV5c	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
PIV				27	Foc	Temporary frequency [Hz]	
AI				28	lw	W-Phase current effective value x 0.1 [A]	
PIV				29	FAN	Fan output [Hz]	
PIV				30	CtrlM	Control Mode	
IV				31	QjC	Total capacity Cool	
IV				32	QjH	Total capacity Heat	
IV				33	F(Hz)	All temporary frequencies [Hz]	
BI				34	SV9	SV9	
BI				35	SV4a	SV4a	
BI				36	SV4b	SV4b	
BI				37	SV4d	SV4d	
BI				38	CH21	CH21	
PIV				39	ALh	ALh	
BI				40	SV2	SV2	

#### • PURY-HP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
PIV				06	FAN	Fan output [Hz]	
IV				07	QjC	Total capacity Cool	
IV				08	QjH	Total capacity Heat	
PIV				09	LEV2	LEV2 Linear expansion valve [pls]	
PIV				10	LEV4	Linear expansion valve [pls]	
AI				11	lu	U-Phase current effective value x 0.1 [A]	
AI				12	lw	W-Phase current effective value x 0.1 [A]	
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 x 0.1 [kg/cm <sup>2</sup> ]	
AI				22	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				23	TH3	Thermistor 3 x 0.1 [°C]	
AI				24	TH4	Thermistor 4 x 0.1 [°C]	
AI				25	TH5	Thermistor 5 x 0.1 [°C]	
AI				26	TH7	Thermistor 7 x 0.1 [°C]	
AI				27	TH15	Thermistor 15 x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				36	Te	Evaporating temperature x 0.1 [°C]	
AI				37	THHS	Thermistor 9 x 0.1 [°C]	
AI				40	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				41	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]	
BI				52	Dmnd	Demand	
BI				53	SV1a	SV1(A)/SV1a	
BI				54	Dmnd2	Demand2	
BI				55	Snow	Snow	
BI				56	Ngt	Night	
BI				57	Ngt2	Night2	
BI				58	21S4a	21S4a	
BI				59	21S4b	21S4b	
BI				60	IH	IH	
PIV				61	FAN-Fr	Fan1 run status	
PIV				62	FAN2-Fr	Fan2 run status	
BI				63	RefChrgAdj	Ref Charge Adj	
BI				64	WM	WM	
BI				65	Rep	Repeater output	
BI				66	72C	72C	
BI				67	CompOn	Comp ON	
BI				68	M-NetSup	M-NET supply	
PIV				69	ALh	ALh	
BI				70	SV2	SV2	

#### • PURY-HP [capacity] (T/Y)NU-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
PIV				04	Fos	Temporary frequency [Hz]	
PIV				05	FAN	Fan output [Hz]	
IV				06	QjC	Total capacity Cool	
IV				07	QjH	Total capacity Heat	
PIV				08	LEV2	LEV2 Linear expansion valve [pls]	
PIV				09	LEV4	Linear expansion valve [pls]	
AI				10	Iu	U-Phase current effective value x 0.1 [A]	
AI				11	Iw	W-Phase current effective value x 0.1 [A]	
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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
AI				20	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				21	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				22	TH3	Thermistor 3 x 0.1 [°C]	
AI				23	TH4	Thermistor 4 x 0.1 [°C]	
AI				24	TH5	Thermistor 5 x 0.1 [°C]	
AI				25	TH7	Thermistor 7 x 0.1 [°C]	
AI				26	TH15	Thermistor 15 x 0.1 [°C]	
AI				32	Tc	Condensing temperature x 0.1 [°C]	
AI				33	Te	Evaporating temperature x 0.1 [°C]	
AI				34	THHS	Thermistor 9 x 0.1 [°C]	
AI				36	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				37	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]	
BI				47	Dmnd	Demand	
BI				48	SV1a	SV1(A)/SV1a	
BI				49	Dmnd2	Demand2	
BI				50	Snow	Snow	
BI				51	Ngt	Night	
BI				52	Ngt2	Night2	
BI				53	21S4a	21S4a	
BI				54	21S4b	21S4b	
BI				55	IH	IH	
PIV				56	FAN-Fr	Fan1 run status	
PIV				57	FAN2-Fr	Fan2 run status	
BI				58	WM	WM	
BI				59	Rep	Repeater output	
BI				60	72C	72C	
BI				61	CompOn	Comp ON	
BI				62	M-NetSup	M-NET supply	
PIV				63	ALh	ALh	
BI				64	SV2	SV2	

### • PURY-(W) [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	TH3	Thermistor 3 x 0.1 [°C]	
AI				02	TH4	Thermistor 4 x 0.1 [°C]	
AI				03	TH5	Thermistor 5 x 0.1 [°C]	
AI				04	TH6	Thermistor 6 x 0.1 [°C]	
AI				05	TH7	Thermistor 7 x 0.1 [°C]	
AI				06	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				07	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				08	THHS	Thermistor 9 x 0.1 [°C]	
AI				09	Tc	Condensing temperature x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance		Index			
	VA					
AI			10		Te	Evaporating temperature x 0.1 [°C]
AI			11		Vdc	COMP bus voltage x 0.1 [V]
AI			12		Iu	U-Phase current effective value x 0.1 [A]
AI			13		Iw	W-Phase current effective value x 0.1 [A]
IV			14		F(Hz)	All temporary frequencies [Hz]
PIV			15		FAN	Fan output [Hz]
PIV			16		Foc	Temporary frequency [Hz]
IV			17		QjC	Total capacity Cool
IV			18		QjH	Total capacity Heat

### • PURY-(E) [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance		Index			
	VA					
			00		Type	
AI			01		TH3	Thermistor 3 x 0.1 [°C]
AI			02		TH4	Thermistor 4 x 0.1 [°C]
AI			03		TH5	Thermistor 5 x 0.1 [°C]
AI			04		TH6	Thermistor 6 x 0.1 [°C]
AI			05		TH7	Thermistor 7 x 0.1 [°C]
AI			06		63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI			07		63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI			08		THHS	Thermistor 9 x 0.1 [°C]
AI			09		Tc	Condensing temperature x 0.1 [°C]
AI			10		Te	Evaporating temperature x 0.1 [°C]
AI			11		Vdc	COMP bus voltage x 0.1 [V]
AI			12		Iu	U-Phase current effective value x 0.1 [A]
AI			13		Iw	W-Phase current effective value x 0.1 [A]
PIV			14		FAN	Fan output [Hz]
IV			15		QjC	Total capacity Cool
IV			16		QjH	Total capacity Heat

### • PURY-P [capacity] YLM-A

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance		Index			
	VA					
			00		Type	
AI			01		TH3	Thermistor 3 x 0.1 [°C]
AI			02		TH4	Thermistor 4 x 0.1 [°C]
AI			03		TH5	Thermistor 5 x 0.1 [°C]
AI			04		TH6	Thermistor 6 x 0.1 [°C]
AI			05		TH7	Thermistor 7 x 0.1 [°C]
AI			06		TH9	Thermistor 9 x 0.1 [°C]
AI			07		TH11	Thermistor 11 x 0.1 [°C]
AI			08		63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				10	THHS	Thermistor 9 x 0.1 [°C]	
AI				11	Tc	Condensing temperature x 0.1 [°C]	
AI				12	Te	Evaporating temperature x 0.1 [°C]	
IV				13	Vdc	Bus voltage [V]	
AI				14	lu	U-Phase current effective value x 0.1 [A]	
AI				15	lw	W-Phase current effective value x 0.1 [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	

### • PURY-(E) [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	TH3	Thermistor 3 x 0.1 [°C]	
AI				02	TH4	Thermistor 4 x 0.1 [°C]	
AI				03	TH5	Thermistor 5 x 0.1 [°C]	
AI				04	TH6	Thermistor 6 x 0.1 [°C]	
AI				05	TH7	Thermistor 7 x 0.1 [°C]	
AI				06	TH15	Thermistor 15 x 0.1 [°C]	
AI				07	TH16	Thermistor 16 x 0.1 [°C]	
AI				08	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				09	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				10	THHS	Thermistor 9 x 0.1 [°C]	
AI				11	Tc	Condensing temperature x 0.1 [°C]	
AI				12	Te	Evaporating temperature x 0.1 [°C]	
AI				13	Vdc	COMP bus voltage x 0.1 [V]	
AI				14	lu	U-Phase current effective value x 0.1 [A]	
AI				15	lw	W-Phase current effective value x 0.1 [A]	
AI				16	TH17	W-Phase current effective value x 0.1 [A]	
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 x 0.1 [°C]	
PIV				22	OpeM	Operation Mode	
BI				23	Dmnd	Demand	
BI				24	SV1a	SV1(A)/SV1a	
BI				25	Dmnd2	Demand2	
BI				26	Snow	Snow	
BI				27	Ngt	Night	
BI				28	Ngt2	Night2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					29	21S4a	
BI					30	SV5b	
BI					31	SV5c	
BI					32	SV9	
BI					33	SV4a	
BI					34	SV4b	
BI					35	SV4d	
BI					36	CH21	
PIV					37	ALh	
BI					38	SV2	

### • PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
AI					01	TH2	
AI					02	TH3	
AI					03	TH4	
AI					04	TH5	
AI					05	TH6	
AI					06	TH7	
AI					07	63HS1	
AI					08	63LS	
AI					09	THHS	
AI					10	Tc	
AI					11	Te	
AI					12	Vdc	
AI					13	Iu	
AI					14	Iw	
IV					15	F(Hz)	
PIV					16	FAN	
PIV					17	Foc	
IV					18	QjC	
IV					19	QjH	
AI					20	SCo	
AI					21	SCc	
AI					22	SHb	
PIV					23	LEV1	
PIV					24	LEV2	
BI					25	Dmnd	
BI					26	SV1a	
BI					27	Dmnd2	
BI					28	Snow	
BI					29	Ngt	
BI					30	Ngt2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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			
AI				01	TH2	Thermistor 2 x 0.1 [°C]	
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	
AI				07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				08	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				09	THHS	Thermistor 9 x 0.1 [°C]	
AI				10	Tc	Condensing temperature x 0.1 [°C]	
AI				11	Te	Evaporating temperature x 0.1 [°C]	
AI				12	Vdc	COMP bus voltage x 0.1 [V]	
AI				13	Iu	U-Phase current effective value x 0.1 [A]	
AI				14	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI				19	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				20	SHb	Coil bypass outlet superheat x 0.1 [°C]	
PIV				21	LEV1	LEV1 Linear expansion valve [pls]	
PIV				22	LEV2	LEV2 Linear expansion valve [pls]	
BI				23	Dmnd	Demand	
BI				24	SV1a	SV1(A)/SV1a	
BI				25	Dmnd2	Demand2	
BI				26	Snow	Snow	
BI				27	Ngt	Night	
BI				28	Ngt2	Night2	
BI				29	21S4a	21S4a	
BI				30	21S4b	21S4b	
BI				31	21S4c	21S4c	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
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					
	VA	Index				
				00	Type	
PIV				01	CtrlM	Control Mode
PIV				02	OpeM	Operation Mode
IV				03	F(Hz)	All temporary frequencies [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				13	lu	U-Phase current effective value x 0.1 [A]
AI				14	lw	W-Phase current effective value x 0.1 [A]
AI				16	Vdc	COMP bus voltage x 0.1 [V]
AI				17	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				18	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				19	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				20	TH2	Thermistor 2 x 0.1 [°C]
AI				21	TH3	Thermistor 3 x 0.1 [°C]
AI				22	TH4	Thermistor 4 x 0.1 [°C]
AI				23	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI				24	TH7	Thermistor 7 x 0.1 [°C]
AI				31	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI				32	SCc	Coil outlet subcooling x 0.1 [°C]
AI				33	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI				34	Tc	Condensing temperature x 0.1 [°C]
AI				35	Te	Evaporating temperature x 0.1 [°C]
AI				36	THHS	Thermistor 9 x 0.1 [°C]
AI				37	THBOX	Thermistor in box x 0.1 [°C]
BI				40	Dmnd	Demand
BI				41	SV1a	SV1(A)/SV1a
BI				42	Dmnd2	Demand2
BI				43	Snow	Snow



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				45	Ngt2	Night2	
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			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
PIV				04	Fos	Temporary frequency [Hz]	
PIV				05	FAN	Fan output [Hz]	
IV				06	QjC	Total capacity Cool	
IV				07	QjH	Total capacity Heat	
PIV				08	LEV1	LEV1 Linear expansion valve [pls]	
PIV				09	LEV2	LEV2 Linear expansion valve [pls]	
PIV				10	LEV4	Linear expansion valve [pls]	
AI				12	lu	U-Phase current effective value x 0.1 [A]	
AI				13	lw	W-Phase current effective value x 0.1 [A]	
AI				15	Vdc	COMP bus voltage x 0.1 [V]	
AI				16	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				17	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI				18	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				19	TH2	Thermistor 2 x 0.1 [°C]	
AI				20	TH3	Thermistor 3 x 0.1 [°C]	
AI				21	TH4	Thermistor 4 x 0.1 [°C]	
AI				22	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				23	TH7	Thermistor 7 x 0.1 [°C]	
AI				28	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				29	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				30	SHb	Coil bypass outlet superheat x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					31	Tc	Condensing temperature x 0.1 [°C]
AI					32	Te	Evaporating temperature x 0.1 [°C]
AI					33	THHS	Thermistor 9 x 0.1 [°C]
AI					34	THBOX	Thermistor in box x 0.1 [°C]
BI					37	Dmnd	Demand
BI					38	SV1a	SV1(A)/SV1a
BI					39	Dmnd2	Demand2
BI					40	Snow	Snow
BI					41	Ngt	Night
BI					42	Ngt2	Night2
BI					43	21S4a	21S4a
BI					44	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

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
AI					01	TH2	Thermistor 2 x 0.1 [°C]
AI					02	TH3	Thermistor 3 x 0.1 [°C]
AI					03	TH4	Thermistor 4 x 0.1 [°C]
AI					04	TH5	Thermistor 5 x 0.1 [°C]
AI					05	TH6	Thermistor 6 x 0.1 [°C]
AI					06	TH7	Thermistor 7 x 0.1 [°C]
AI					07	TH9	Thermistor 9 x 0.1 [°C]
AI					08	TH11	Thermistor 11 x 0.1 [°C]
AI					09	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					10	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]
AI					11	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					12	THHS	Thermistor 9 x 0.1 [°C]
AI					13	Tc	Condensing temperature x 0.1 [°C]
AI					14	Te	Evaporating temperature x 0.1 [°C]
IV					15	Vdc	Bus voltage [V]
AI					16	Iu	U-Phase current effective value x 0.1 [A]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					17	lw W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI					24	SCc Coil outlet subcooling x 0.1 [°C]	
AI					25	SHb Coil bypass outlet superheat x 0.1 [°C]	
PIV					26	LEV1 LEV1 Linear expansion valve [pls]	

• **PUHY-EP [capacity] YLM-A**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
AI					01	TH2 Thermistor 2 x 0.1 [°C]	
AI					02	TH3 Thermistor 3 x 0.1 [°C]	
AI					03	TH4 Thermistor 4 x 0.1 [°C]	
AI					04	TH5 Thermistor 5 x 0.1 [°C]	
AI					05	TH6 Thermistor 6 x 0.1 [°C]	
AI					06	TH7 Thermistor 7 x 0.1 [°C]	
AI					07	TH9 Thermistor 9 x 0.1 [°C]	
AI					08	TH11 Thermistor 11 x 0.1 [°C]	
AI					09	63HS1 63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI					10	63HS2 63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI					11	63LS 63LS Pressure sensor x 0.1 [kg/cm2]	
AI					12	THHS Thermistor 9 x 0.1 [°C]	
AI					13	Tc Condensing temperature x 0.1 [°C]	
AI					14	Te Evaporating temperature x 0.1 [°C]	
IV					15	Vdc Bus voltage [V]	
AI					16	lu U-Phase current effective value x 0.1 [A]	
AI					17	lw W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI					22	SCc Coil outlet subcooling x 0.1 [°C]	
AI					23	SHb Coil bypass outlet superheat x 0.1 [°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		Index		
	VA				
			00	Type	
AI			01	TH2	Thermistor 2 x 0.1 [°C]
AI			02	TH3	Thermistor 3 x 0.1 [°C]
AI			03	TH4	Thermistor 4 x 0.1 [°C]
AI			04	TH5	Thermistor 5 x 0.1 [°C]
AI			05	TH6	Thermistor 6 x 0.1 [°C]
AI			06	TH7	Thermistor 7 x 0.1 [°C]
AI			07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI			08	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]
AI			09	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI			10	THHS	Thermistor 9 x 0.1 [°C]
AI			11	Tc	Condensing temperature x 0.1 [°C]
AI			12	Te	Evaporating temperature x 0.1 [°C]
IV			13	Vdc	Bus voltage [V]
AI			14	Iu	U-Phase current effective value x 0.1 [A]
AI			15	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI			22	SCc	Coil outlet subcooling x 0.1 [°C]
AI			23	SHb	Coil bypass outlet superheat x 0.1 [°C]
PIV			24	LEV1	LEV1 Linear expansion valve [pls]
BI			25	Dmnd	Demand
BI			26	SV1a	SV1(A)/SV1a
BI			27	Dmnd2	Demand2
BI			28	Snow	Snow
BI			29	Ngt	Night
BI			30	Ngt2	Night2
BI			31	21S4a	21S4a
BI			32	21S4b	21S4b
BI			33	21S4c	21S4c
BI			34	SV5b	SV5b
BI			35	SV9	SV9
BI			36	SV2	SV2
BI			37	IH	IH
PIV			38	FAN(rpm)	FAN(rpm) [rpm]
PIV			39	FAN2	FAN2
PIV			40	FAN2(rpm)	FAN2(rpm) [rpm]
PIV			41	LEV2a	LEV2a [pls]
PIV			42	LEV2b	LEV2b [pls]
PIV			43	OpeM	Operation Mode
PIV			44	CtrlM	Control Mode

- **PUHY-P [capacity]**





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI					01	TH2	Thermistor 2 x 0.1 [°C]
AI					02	TH3	Thermistor 3 x 0.1 [°C]
AI					03	TH4	Thermistor 4 x 0.1 [°C]
AI					04	TH5	Thermistor 5 x 0.1 [°C]
AI					05	TH6	Thermistor 6 x 0.1 [°C]
AI					06	TH7	Thermistor 7 x 0.1 [°C]
AI					07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					08	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]
AI					09	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					10	THHS	Thermistor 9 x 0.1 [°C]
AI					11	Tc	Condensing temperature x 0.1 [°C]
AI					12	Te	Evaporating temperature x 0.1 [°C]
IV					13	Vdc	Bus voltage [V]
AI					14	Iu	U-Phase current effective value x 0.1 [A]
AI					15	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI					20	SCc	Coil outlet subcooling x 0.1 [°C]
AI					21	SHb	Coil bypass outlet superheat x 0.1 [°C]
PIV					22	LEV1	LEV1 Linear expansion valve [pls]
BI					23	Dmnd	Demand
BI					24	SV1a	SV1(A)/SV1a
BI					25	Dmnd2	Demand2
BI					26	Snow	Snow
BI					27	Ngt	Night
BI					28	Ngt2	Night2
BI					29	21S4a	21S4a
BI					30	21S4b	21S4b
BI					31	SV9	SV9
BI					32	SV2	SV2
BI					33	IH	IH
PIV					34	Fos	Temporary frequency [Hz]
PIV					35	FAN(rpm)	FAN(rpm) [rpm]
PIV					36	LEV2a	LEV2a [pls]
PIV					37	LEV2b	LEV2b [pls]
PIV					38	OpeM	Operation Mode
PIV					39	CtrlM	Control Mode

• PUHY-P [capacity] DM-G/...

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [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				11	Iu	U-Phase current effective value x 0.1 [A]	
AI				12	Iw	W-Phase current effective value x 0.1 [A]	
AI				14	Vdc	COMP bus voltage x 0.1 [V]	
AI				15	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				16	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				17	TH2	Thermistor 2 x 0.1 [°C]	
AI				18	TH3	Thermistor 3 x 0.1 [°C]	
AI				19	TH4	Thermistor 4 x 0.1 [°C]	
AI				20	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				21	TH7	Thermistor 7 x 0.1 [°C]	
AI				28	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				29	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				30	Tc	Condensing temperature x 0.1 [°C]	
AI				31	Te	Evaporating temperature x 0.1 [°C]	
AI				32	THHS	Thermistor 9 x 0.1 [°C]	
AI				33	THBOX	Thermistor in box x 0.1 [°C]	
BI				36	Dmnd	Demand	
BI				37	SV1a	SV1(A)/SV1a	
BI				38	Dmnd2	Demand2	
BI				39	Snow	Snow	
BI				40	Ng1	Night	
BI				41	Ng2	Night2	
BI				42	21S4a	21S4a	
BI				43	21S4b	21S4b	
BI				44	SV5b	SV5b	
BI				45	AF	Active Filter	
BI				46	WM	WM	
BI				47	Rep	Repeater output	
BI				48	72C	72C	
BI				49	CompOn	Comp ON	
BI				50	M-NetSup	M-NET supply	
BI				51	CH11	CH11	

- PUHY-P [capacity] DM-G/...



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [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				11	lu	U-Phase current effective value x 0.1 [A]	
AI				12	lw	W-Phase current effective value x 0.1 [A]	
AI				14	Vdc	COMP bus voltage x 0.1 [V]	
AI				15	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				16	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				17	TH2	Thermistor 2 x 0.1 [°C]	
AI				18	TH3	Thermistor 3 x 0.1 [°C]	
AI				19	TH4	Thermistor 4 x 0.1 [°C]	
AI				20	TH7	Thermistor 7 x 0.1 [°C]	
AI				27	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				28	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				29	Tc	Condensing temperature x 0.1 [°C]	
AI				30	Te	Evaporating temperature x 0.1 [°C]	
AI				31	THHS	Thermistor 9 x 0.1 [°C]	
AI				32	THBOX	Thermistor in box x 0.1 [°C]	
BI				35	Dmnd	Demand	
BI				36	SV1a	SV1(A)/SV1a	
BI				37	Dmnd2	Demand2	
BI				38	Snow	Snow	
BI				39	Ngt	Night	
BI				40	Ngt2	Night2	
BI				41	21S4a	21S4a	
BI				42	21S4b	21S4b	
BI				43	SV5b	SV5b	
BI				44	AF	Active Filter	
BI				45	WM	WM	
BI				46	Rep	Repeater output	
BI				47	72C	72C	
BI				48	CompOn	Comp ON	
BI				49	M-NetSup	M-NET supply	
BI				50	CH11	CH11	
BI				51	52F	52F	

- PUHY-P [capacity] SDM-G/...



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
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				11	Iu	U-Phase current effective value x 0.1 [A]	
AI				12	Iw	W-Phase current effective value x 0.1 [A]	
AI				14	Vdc	COMP bus voltage x 0.1 [V]	
AI				15	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				16	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				17	TH2	Thermistor 2 x 0.1 [°C]	
AI				18	TH3	Thermistor 3 x 0.1 [°C]	
AI				19	TH4	Thermistor 4 x 0.1 [°C]	
AI				20	TH5	Thermistor 5 x 0.1 [°C]	
AI				21	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				22	TH7	Thermistor 7 x 0.1 [°C]	
AI				27	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				28	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				29	Tc	Condensing temperature x 0.1 [°C]	
AI				30	Te	Evaporating temperature x 0.1 [°C]	
AI				31	THHS	Thermistor 9 x 0.1 [°C]	
AI				32	THBOX	Thermistor in box x 0.1 [°C]	
BI				35	Dmnd	Demand	
BI				36	SV1a	SV1(A)/SV1a	
BI				37	Dmnd2	Demand2	
BI				38	Snow	Snow	
BI				39	Ngt	Night	
BI				40	Ngt2	Night2	
BI				41	21S4a	21S4a	
BI				42	21S4b	21S4b	
BI				43	SV5b	SV5b	
BI				44	AF	Active Filter	
BI				45	WM	WM	
BI				46	Rep	Repeater output	
BI				47	72C	72C	
BI				48	CompOn	Comp ON	
BI				49	M-NetSup	M-NET supply	
BI				50	CH11	CH11	

- PUHY-P [capacity] SDM-G/...



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	CtrlM	Control Mode
PIV			02	OpeM	Operation Mode
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			11	Iu	U-Phase current effective value x 0.1 [A]
AI			12	Iw	W-Phase current effective value x 0.1 [A]
AI			14	Vdc	COMP bus voltage x 0.1 [V]
AI			15	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI			16	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI			17	TH2	Thermistor 2 x 0.1 [°C]
AI			18	TH3	Thermistor 3 x 0.1 [°C]
AI			19	TH4	Thermistor 4 x 0.1 [°C]
AI			20	TH5	Thermistor 5 x 0.1 [°C]
AI			21	TH7	Thermistor 7 x 0.1 [°C]
AI			26	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI			27	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI			28	Tc	Condensing temperature x 0.1 [°C]
AI			29	Te	Evaporating temperature x 0.1 [°C]
AI			30	THHS	Thermistor 9 x 0.1 [°C]
AI			31	THBOX	Thermistor in box x 0.1 [°C]
BI			34	Dmnd	Demand
BI			35	SV1a	SV1(A)/SV1a
BI			36	Dmnd2	Demand2
BI			37	Snow	Snow
BI			38	Ngt	Night
BI			39	Ngt2	Night2
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			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [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				12	Iu	U-Phase current effective value x 0.1 [A]	
AI				13	Iw	W-Phase current effective value x 0.1 [A]	
AI				15	Vdc	COMP bus voltage x 0.1 [V]	
AI				16	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				17	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				18	TH2	Thermistor 2 x 0.1 [°C]	
AI				19	TH3	Thermistor 3 x 0.1 [°C]	
AI				20	TH4	Thermistor 4 x 0.1 [°C]	
AI				21	TH5	Thermistor 5 x 0.1 [°C]	
AI				22	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				23	TH7	Thermistor 7 x 0.1 [°C]	
AI				30	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				31	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				32	Tc	Condensing temperature x 0.1 [°C]	
AI				33	Te	Evaporating temperature x 0.1 [°C]	
AI				34	THHS	Thermistor 9 x 0.1 [°C]	
AI				35	THBOX	Thermistor in box x 0.1 [°C]	
BI				38	Dmnd	Demand	
BI				39	SV1a	SV1(A)/SV1a	
BI				40	Dmnd2	Demand2	
BI				41	Snow	Snow	
BI				42	Ngt	Night	
BI				43	Ngt2	Night2	
BI				44	21S4a	21S4a	
BI				45	21S4b	21S4b	
BI				46	SV5b	SV5b	
BI				47	AF	Active Filter	
BI				48	WM	WM	
BI				49	Rep	Repeater output	
BI				50	72C	72C	
BI				51	CompOn	Comp ON	
BI				52	M-NetSup	M-NET supply	
BI				53	CH11	CH11	
BI				54	52F	52F	

- PUHY-P [capacity] YKB



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI					01	TH2 Thermistor 2 x 0.1 [°C]	
AI					02	TH3 Thermistor 3 x 0.1 [°C]	
AI					03	TH4 Thermistor 4 x 0.1 [°C]	
AI					04	TH5 Thermistor 5 x 0.1 [°C]	
AI					05	TH6 Thermistor 6 x 0.1 [°C]	
AI					06	TH7 Thermistor 7 x 0.1 [°C]	
AI					07	TH9 Thermistor 9 x 0.1 [°C]	
AI					08	TH11 Thermistor 11 x 0.1 [°C]	
AI					09	63HS1 63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI					10	63HS2 63HS2 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI					11	63LS 63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI					12	THHS Thermistor 9 x 0.1 [°C]	
AI					13	Tc Condensing temperature x 0.1 [°C]	
AI					14	Te Evaporating temperature x 0.1 [°C]	
IV					15	Vdc Bus voltage [V]	
AI					16	Iu U-Phase current effective value x 0.1 [A]	
AI					17	Iw W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI					24	SCc Coil outlet subcooling x 0.1 [°C]	
AI					25	SHb Coil bypass outlet superheat x 0.1 [°C]	
PIV					26	LEV1 LEV1 Linear expansion valve [pls]	

### • PUHY-P [capacity] YKB

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	
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					11	Iu U-Phase current effective value x 0.1 [A]	
AI					12	Iw W-Phase current effective value x 0.1 [A]	
PIV					14	FAN(rpm) FAN(rpm) [rpm]	
IV					15	Vdc Bus voltage [V]	
PIV					16	LEV2b LEV2b [pls]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				18	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				19	TH2	Thermistor 2 x 0.1 [°C]	
AI				20	TH3	Thermistor 3 x 0.1 [°C]	
AI				21	TH4	Thermistor 4 x 0.1 [°C]	
AI				22	TH5	Thermistor 5 x 0.1 [°C]	
AI				23	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				24	TH7	Thermistor 7 x 0.1 [°C]	
AI				25	TH9	Thermistor 9 x 0.1 [°C]	
AI				26	TH11	Thermistor 11 x 0.1 [°C]	
AI				31	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				32	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				33	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				34	Tc	Condensing temperature x 0.1 [°C]	
AI				35	Te	Evaporating temperature x 0.1 [°C]	
AI				36	THHS	Thermistor 9 x 0.1 [°C]	
BI				38	Dmnd	Demand	
BI				39	SV1a	SV1(A)/SV1a	
BI				40	Dmnd2	Demand2	
BI				41	Snow	Snow	
BI				42	Ngt	Night	
BI				43	Ngt2	Night2	
BI				44	21S4a	21S4a	
BI				45	21S4b	21S4b	
BI				46	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-P [capacity] YKB

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	TH2	Thermistor 2 x 0.1 [°C]	





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	
AI				07	TH9	Thermistor 9 x 0.1 [°C]	
AI				08	TH11	Thermistor 11 x 0.1 [°C]	
AI				09	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				10	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI				11	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				12	THHS	Thermistor 9 x 0.1 [°C]	
AI				13	Tc	Condensing temperature x 0.1 [°C]	
AI				14	Te	Evaporating temperature x 0.1 [°C]	
IV				15	Vdc	Bus voltage [V]	
AI				16	Iu	U-Phase current effective value x 0.1 [A]	
AI				17	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI				24	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				25	SHb	Coil bypass outlet superheat x 0.1 [°C]	
PIV				26	LEV1	LEV1 Linear expansion valve [pls]	

### • PUHY-P [capacity] YKB

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
				00	Type		
AI				01	TH2	Thermistor 2 x 0.1 [°C]	
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	
AI				07	TH9	Thermistor 9 x 0.1 [°C]	
AI				08	TH11	Thermistor 11 x 0.1 [°C]	
AI				09	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				10	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI				11	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				12	THHS	Thermistor 9 x 0.1 [°C]	
AI				13	Tc	Condensing temperature x 0.1 [°C]	
AI				14	Te	Evaporating temperature x 0.1 [°C]	
IV				15	Vdc	Bus voltage [V]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					16	lu	U-Phase current effective value x 0.1 [A]
AI					17	lw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI					22	SCc	Coil outlet subcooling x 0.1 [°C]
AI					23	SHb	Coil bypass outlet superheat x 0.1 [°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		Index				
	VA						
					00	Type	
AI					01	TH1	Thermistor 1 x 0.1 [°C]
AI					02	TH2	Thermistor 2 x 0.1 [°C]
AI					03	TH3	Thermistor 3 x 0.1 [°C]
AI					04	TH4	Thermistor 4 x 0.1 [°C]
AI					05	TH5	Thermistor 5 x 0.1 [°C]
AI					06	TH6	Thermistor 6 x 0.1 [°C]
AI					07	TH7	Thermistor 7 x 0.1 [°C]
AI					08	TH8	Thermistor 8 x 0.1 [°C]
AI					09	TH9	Thermistor 9 x 0.1 [°C]
AI					10	TH10	Thermistor 10 x 0.1 [°C]
AI					11	TH12	Thermistor 12 x 0.1 [°C]
AI					12	63HS	High pressure sensor x 0.1 [kg/cm2]
AI					13	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					14	THHS	Thermistor 9 x 0.1 [°C]
AI					15	THBOX	Thermistor in box x 0.1 [°C]
AI					16	Tc	Condensing temperature x 0.1 [°C]
AI					17	Te	Evaporating temperature x 0.1 [°C]
PIV					18	F(Hz)	All temporary frequencies [Hz]
PIV					19	FAN	Fan output [Hz]
PIV					20	QjC	Total capacity Cool
PIV					21	QjH	Total capacity Heat
AI					22	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI					23	SCc	Coil outlet subcooling x 0.1 [°C]
AI					24	SHb	Coil bypass outlet superheat x 0.1 [°C]

### • PUHY-P [capacity]

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [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				12	Iu	U-Phase current effective value x 0.1 [A]	
AI				13	Iw	W-Phase current effective value x 0.1 [A]	
PIV				16	FAN(rpm)	FAN(rpm) [rpm]	
AI				17	Vdc	COMP bus voltage x 0.1 [V]	
AI				18	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				19	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				20	TH2	Thermistor 2 x 0.1 [°C]	
AI				21	TH3	Thermistor 3 x 0.1 [°C]	
AI				22	TH4	Thermistor 4 x 0.1 [°C]	
AI				23	TH5	Thermistor 5 x 0.1 [°C]	
AI				24	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				25	TH7	Thermistor 7 x 0.1 [°C]	
AI				32	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				33	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				34	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				35	Tc	Condensing temperature x 0.1 [°C]	
AI				36	Te	Evaporating temperature x 0.1 [°C]	
AI				37	THHS	Thermistor 9 x 0.1 [°C]	
BI				40	Dmnd	Demand	
BI				41	SV1a	SV1(A)/SV1a	
BI				42	Dmnd2	Demand2	
BI				43	Snow	Snow	
BI				44	Ngt	Night	
BI				45	Ngt2	Night2	
BI				46	21S4a	21S4a	
BI				47	21S4b	21S4b	
BI				48	SV5b	SV5b	
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			
					00		
PIV		01			CtrlM	Control Mode	
PIV		02			OpeM	Operation Mode	
IV		03			F(Hz)	All temporary frequencies [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		12			Iu	U-Phase current effective value x 0.1 [A]	
AI		13			Iw	W-Phase current effective value x 0.1 [A]	
PIV		16			FAN(rpm)	FAN(rpm) [rpm]	
PIV		17			FAN2(rpm)	FAN2(rpm) [rpm]	
AI		18			Vdc	COMP bus voltage x 0.1 [V]	
AI		19			63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI		20			63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI		21			TH2	Thermistor 2 x 0.1 [°C]	
AI		22			TH3	Thermistor 3 x 0.1 [°C]	
AI		23			TH4	Thermistor 4 x 0.1 [°C]	
AI		24			TH5	Thermistor 5 x 0.1 [°C]	
AI		25			TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI		26			TH7	Thermistor 7 x 0.1 [°C]	
AI		34			SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI		35			SCc	Coil outlet subcooling x 0.1 [°C]	
AI		36			SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI		37			Tc	Condensing temperature x 0.1 [°C]	
AI		38			Te	Evaporating temperature x 0.1 [°C]	
AI		39			THHS	Thermistor 9 x 0.1 [°C]	
BI		42			Dmnd	Demand	
BI		43			SV1a	SV1(A)/SV1a	
BI		44			Dmnd2	Demand2	
BI		45			Snow	Snow	
BI		46			Ng1	Night	
BI		47			Ng2	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	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
BI				57	AF	Active Filter
BI				58	Pwr	Power source frequency
BI				59	WM	WM
BI				60	Rep	Repeater output
BI				61	72C	72C
BI				62	CompOn	Comp ON
BI				63	M-NetSup	M-NET supply

### • PUHY-P [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
				00	Type	
PIV				01	CtrlM	Control Mode
PIV				02	OpeM	Operation Mode
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				11	lu	U-Phase current effective value x 0.1 [A]
AI				12	lw	W-Phase current effective value x 0.1 [A]
PIV				14	FAN(rpm)	FAN(rpm) [rpm]
AI				15	Vdc	COMP bus voltage x 0.1 [V]
AI				16	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI				17	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI				18	TH2	Thermistor 2 x 0.1 [°C]
AI				19	TH3	Thermistor 3 x 0.1 [°C]
AI				20	TH4	Thermistor 4 x 0.1 [°C]
AI				21	TH5	Thermistor 5 x 0.1 [°C]
AI				22	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI				23	TH7	Thermistor 7 x 0.1 [°C]
AI				28	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI				29	SCc	Coil outlet subcooling x 0.1 [°C]
AI				30	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI				31	Tc	Condensing temperature x 0.1 [°C]
AI				32	Te	Evaporating temperature x 0.1 [°C]
AI				33	THHS	Thermistor 9 x 0.1 [°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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				43	21S4b	21S4b	
BI				44	SV5b	SV5b	
PIV				45	FAN-Fr	Fan1 run status	
BI				46	AF	Active Filter	
BI				47	Pwr	Power source frequency	
BI				48	WM	WM	
BI				49	Rep	Repeater output	
BI				50	72C	72C	
BI				51	CompOn	Comp ON	
BI				52	M-NetSup	M-NET supply	
BI				53	SV9	SV9	
BI				54	SV2	SV2	

#### • PUHY-EP [capacity] YNW-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	TH2	Thermistor 2 x 0.1 [°C]	
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	
AI				07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				08	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI				09	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				10	THHS	Thermistor 9 x 0.1 [°C]	
AI				11	Tc	Condensing temperature x 0.1 [°C]	
AI				12	Te	Evaporating temperature x 0.1 [°C]	
IV				13	Vdc	Bus voltage [V]	
AI				14	Iu	U-Phase current effective value x 0.1 [A]	
AI				15	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI				22	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				23	SHb	Coil bypass outlet superheat x 0.1 [°C]	
PIV				24	LEV1	LEV1 Linear expansion valve [pls]	
BI				25	Dmnd	Demand	
BI				26	SV1a	SV1(A)/SV1a	
BI				27	Dmnd2	Demand2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				29	Ngt	Night	
BI				30	Ngt2	Night2	
BI				31	21S4a	21S4a	
BI				32	21S4b	21S4b	
BI				33	SV9	SV9	
BI				34	SV2a	SV2a	
BI				35	SV10	SV10	
BI				36	SV14	SV14	
BI				37	SV15	SV15	
BI				38	IH	IH	
BI				39	H-Def1	H-Def1	
BI				40	H-Def2	H-Def2	
AI				41	TH15	Thermistor 15 x 0.1 [°C]	
AI				42	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				43	THHS(FAN2)	THHS(FAN2) x 0.1 [°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			
AI				01	TH2	Thermistor 2 x 0.1 [°C]	
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	
AI				07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				08	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI				09	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				10	THHS	Thermistor 9 x 0.1 [°C]	
AI				11	Tc	Condensing temperature x 0.1 [°C]	
AI				12	Te	Evaporating temperature x 0.1 [°C]	
IV				13	Vdc	Bus voltage [V]	
AI				14	Iu	U-Phase current effective value x 0.1 [A]	
AI				15	Iw	W-Phase current effective value x 0.1 [A]	
PIV				16	FAN	Fan output [Hz]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	IV						
IV				18	QjH	Total capacity Heat	
AI				19	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				20	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				21	SHb	Coil bypass outlet superheat x 0.1 [°C]	
PIV				22	LEV1	LEV1 Linear expansion valve [pls]	
BI				23	Dmnd	Demand	
BI				24	SV1a	SV1(A)/SV1a	
BI				25	Dmnd2	Demand2	
BI				26	Snow	Snow	
BI				27	Ngt	Night	
BI				28	Ngt2	Night2	
BI				29	21S4a	21S4a	
BI				30	21S4b	21S4b	
BI				31	SV9	SV9	
BI				32	SV2a	SV2a	
BI				33	SV10	SV10	
BI				34	SV14	SV14	
BI				35	SV15	SV15	
BI				36	IH	IH	
BI				37	H-Def1	H-Def1	
BI				38	H-Def2	H-Def2	
PIV				39	Fos	Temporary frequency [Hz]	
AI				40	TH15	Thermistor 15 x 0.1 [°C]	
AI				41	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				42	THHS(FAN2)	THHS(FAN2) x 0.1 [°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			
AI				01	TH2	Thermistor 2 x 0.1 [°C]	
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					07	TH9	Thermistor 9 x 0.1 [°C]
AI					08	TH11	Thermistor 11 x 0.1 [°C]
AI					09	TH12	Thermistor 12 x 0.1 [°C]
AI					10	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					11	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]
AI					12	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					13	THHS	Thermistor 9 x 0.1 [°C]
AI					14	Tc	Condensing temperature x 0.1 [°C]
AI					15	Te	Evaporating temperature x 0.1 [°C]
IV					16	Vdc	Bus voltage [V]
AI					17	Iu	U-Phase current effective value x 0.1 [A]
AI					18	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI					25	SCc	Coil outlet subcooling x 0.1 [°C]
AI					26	SHb	Coil bypass outlet superheat x 0.1 [°C]
PIV					27	LEV1	LEV1 Linear expansion valve [pls]

- **PUHY-M [capacity] YNW-A1**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
PIV					01	CtrlM	Control Mode
PIV					02	OpeM	Operation Mode
IV					03	F(Hz)	All temporary frequencies [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					13	Iu	U-Phase current effective value x 0.1 [A]
AI					14	Iw	W-Phase current effective value x 0.1 [A]
PIV					17	FAN(rpm)	FAN(rpm) [rpm]
BI					18	IH	IH
BI					19	H-Def1	H-Def1
BI					20	H-Def2	H-Def2
PIV					21	FAN-Fr	Fan1 run status
BI					22	AF	Active Filter
BI					23	Pwr	Power source frequency



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				25	Rep	Repeater output	
BI				26	72C	72C	
BI				27	CompOn	Comp ON	
BI				28	M-NetSup	M-NET supply	
IV				29	Vdc	Bus voltage [V]	
PIV				30	LEV2b	LEV2b [pls]	
PIV				31	LEV9	LEV9 [pls]	
AI				32	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				33	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				34	TH2	Thermistor 2 x 0.1 [°C]	
AI				35	TH3	Thermistor 3 x 0.1 [°C]	
AI				36	TH4	Thermistor 4 x 0.1 [°C]	
AI				37	TH5	Thermistor 5 x 0.1 [°C]	
AI				38	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				39	TH7	Thermistor 7 x 0.1 [°C]	
AI				40	TH15	Thermistor 15 x 0.1 [°C]	
AI				47	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				48	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				49	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				50	Tc	Condensing temperature x 0.1 [°C]	
AI				51	Te	Evaporating temperature x 0.1 [°C]	
AI				52	THHS	Thermistor 9 x 0.1 [°C]	
BI				53	Dmnd	Demand	
BI				54	SV1a	SV1(A)/SV1a	
BI				55	Dmnd2	Demand2	
BI				56	Snow	Snow	
BI				57	Ngt	Night	
BI				58	Ngt2	Night2	
BI				59	21S4a	21S4a	
BI				60	21S4b	21S4b	
BI				61	SV9	SV9	
BI				62	SV2	SV2	
BI				63	SV10	SV10	
AI				74	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	

• PUHY-P [capacity] YNW-A

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
AI				01	TH2	Thermistor 2 x 0.1 [°C]	
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	
AI				07	TH9	Thermistor 9 x 0.1 [°C]	
AI				08	TH11	Thermistor 11 x 0.1 [°C]	
AI				09	TH12	Thermistor 12 x 0.1 [°C]	
AI				10	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				11	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI				12	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				13	THHS	Thermistor 9 x 0.1 [°C]	
AI				14	Tc	Condensing temperature x 0.1 [°C]	
AI				15	Te	Evaporating temperature x 0.1 [°C]	
IV				16	Vdc	Bus voltage [V]	
AI				17	Iu	U-Phase current effective value x 0.1 [A]	
AI				18	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]	
AI				25	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				26	SHb	Coil bypass outlet superheat x 0.1 [°C]	
PIV				27	LEV1	LEV1 Linear expansion valve [pls]	

• **PUHY-P [capacity] YNW-A**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
				00	Type		
AI				01	TH2	Thermistor 2 x 0.1 [°C]	
AI				02	TH3	Thermistor 3 x 0.1 [°C]	
AI				03	TH4	Thermistor 4 x 0.1 [°C]	
AI				04	TH5	Thermistor 5 x 0.1 [°C]	
AI				05	TH6	Thermistor 6 x 0.1 [°C]	
AI				06	TH7	Thermistor 7 x 0.1 [°C]	
AI				07	TH9	Thermistor 9 x 0.1 [°C]	
AI				08	TH11	Thermistor 11 x 0.1 [°C]	
AI				09	TH12	Thermistor 12 x 0.1 [°C]	
AI				10	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				11	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]	
AI				12	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				13	THHS	Thermistor 9 x 0.1 [°C]	
AI				14	Tc	Condensing temperature x 0.1 [°C]	
AI				15	Te	Evaporating temperature x 0.1 [°C]	
IV				16	Vdc	Bus voltage [V]	
AI				17	Iu	U-Phase current effective value x 0.1 [A]	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
AI				18	lw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI				23	SCc	Coil outlet subcooling x 0.1 [°C]
AI				24	SHb	Coil bypass outlet superheat x 0.1 [°C]
PIV				25	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				
				00	Type	
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				09	lu	U-Phase current effective value x 0.1 [A]
AI				10	lw	W-Phase current effective value x 0.1 [A]
AI				11	Vdc	COMP bus voltage x 0.1 [V]
AI				12	63HS	High pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				13	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				14	TH5	Thermistor 5 x 0.1 [°C]
AI				15	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI				16	TH7	Thermistor 7 x 0.1 [°C]
AI				17	TH8	Thermistor 8 x 0.1 [°C]
AI				18	TH11	Thermistor 11 x 0.1 [°C]
AI				21	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI				22	SCc	Coil outlet subcooling x 0.1 [°C]
AI				23	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI				24	Tc	Condensing temperature x 0.1 [°C]
AI				25	Te	Evaporating temperature x 0.1 [°C]
AI				26	THHS1	THHS1 x 0.1 [°C]
AI				27	THHS5	THHS5 x 0.1 [°C]
BI				28	Dmnd	Demand
BI				29	SV1	SV1
BI				30	Dmnd2	Demand2
BI				31	Snow	Snow
BI				32	Ngt	Night
BI				33	21S4a	21S4a



### • PUHY-P [capacity]

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
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			09	Iu	U-Phase current effective value x 0.1 [A]
AI			10	Iw	W-Phase current effective value x 0.1 [A]
AI			11	Vdc	COMP bus voltage x 0.1 [V]
AI			12	63HS	High pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI			13	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI			14	TH5	Thermistor 5 x 0.1 [°C]
AI			15	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI			16	TH7	Thermistor 7 x 0.1 [°C]
AI			17	TH8	Thermistor 8 x 0.1 [°C]
AI			18	TH11	Thermistor 11 x 0.1 [°C]
AI			21	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI			22	SCc	Coil outlet subcooling x 0.1 [°C]
AI			23	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI			24	Tc	Condensing temperature x 0.1 [°C]
AI			25	Te	Evaporating temperature x 0.1 [°C]
AI			26	THHS1	THHS1 x 0.1 [°C]
AI			27	THHS5	THHS5 x 0.1 [°C]
BI			28	Dmnd	Demand
BI			29	SV1	SV1
BI			30	Dmnd2	Demand2
BI			31	Snow	Snow
BI			32	Ngt	Night
BI			33	21S4a	21S4a
BI			34	21S4b	21S4b
BI			35	SV5b	SV5b

### • PUHY-P [capacity] (T/Y)NU-A.TH

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
			00	Type	
PIV			01	CtrlM	Control Mode
PIV			02	OpeM	Operation Mode
IV			03	F(Hz)	All temporary frequencies [Hz]
PIV			05	Foc	Temporary frequency [Hz]
PIV			06	FAN	Fan output [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	IV						
IV				08	QjH	Total capacity Heat	
PIV				09	LEV1	LEV1 Linear expansion valve [pls]	
PIV				10	LEV2a	LEV2a [pls]	
AI				12	lu	U-Phase current effective value x 0.1 [A]	
AI				13	lw	W-Phase current effective value x 0.1 [A]	
PIV				16	FAN(rpm)	FAN(rpm) [rpm]	
PIV				17	FAN2(rpm)	FAN2(rpm) [rpm]	
BI				18	IH	IH	
BI				19	H-Def1	H-Def1	
BI				20	H-Def2	H-Def2	
PIV				21	FAN-Fr	Fan1 run status	
PIV				22	FAN2-Fr	Fan2 run status	
BI				23	AF	Active Filter	
BI				24	RefChrgAdj	Ref Charge Adj	
BI				25	Pwr	Power source frequency	
BI				26	WM	WM	
BI				27	Rep	Repeater output	
BI				28	72C	72C	
BI				29	CompOn	Comp ON	
BI				30	M-NetSup	M-NET supply	
PIV				31	FAN2	FAN2	
IV				32	Vdc	Bus voltage [V]	
PIV				33	LEV2b	LEV2b [pls]	
PIV				34	LEV9	LEV9 [pls]	
AI				35	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				36	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				37	TH2	Thermistor 2 x 0.1 [°C]	
AI				38	TH3	Thermistor 3 x 0.1 [°C]	
AI				39	TH4	Thermistor 4 x 0.1 [°C]	
AI				40	TH5	Thermistor 5 x 0.1 [°C]	
AI				41	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				42	TH7	Thermistor 7 x 0.1 [°C]	
AI				43	TH15	Thermistor 15 x 0.1 [°C]	
AI				51	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				52	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				53	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				54	Tc	Condensing temperature x 0.1 [°C]	
AI				55	Te	Evaporating temperature x 0.1 [°C]	
AI				56	THHS	Thermistor 9 x 0.1 [°C]	
BI				57	Dmnd	Demand	
BI				58	SV1a	SV1(A)/SV1a	
BI				59	Dmnd2	Demand2	
BI				60	Snow	Snow	
BI				61	Ngt	Night	
BI				62	Ngt2	Night2	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
BI				63	21S4a	21S4a
BI				64	21S4b	21S4b
BI				65	SV9	SV9
BI				66	SV2	SV2
BI				67	SV10	SV10
AI				78	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI				79	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]

### • PUHY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
				00	Type	
AI				01	TH2	Thermistor 2 x 0.1 [°C]
AI				02	TH3	Thermistor 3 x 0.1 [°C]
AI				03	TH4	Thermistor 4 x 0.1 [°C]
AI				04	TH5	Thermistor 5 x 0.1 [°C]
AI				05	TH6	Thermistor 6 x 0.1 [°C]
AI				06	TH7	Thermistor 7 x 0.1 [°C]
AI				07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				08	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				09	THHS	Thermistor 9 x 0.1 [°C]
AI				10	Tc	Condensing temperature x 0.1 [°C]
AI				11	Te	Evaporating temperature x 0.1 [°C]
AI				12	Vdc	COMP bus voltage x 0.1 [V]
AI				13	Iu	U-Phase current effective value x 0.1 [A]
AI				14	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI				21	SCc	Coil outlet subcooling x 0.1 [°C]
AI				22	SHb	Coil bypass outlet superheat x 0.1 [°C]

### • PUHY-(E)P [capacity]

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
				00	Type	
AI				01	TH2	Thermistor 2 x 0.1 [°C]
AI				02	TH3	Thermistor 3 x 0.1 [°C]
AI				03	TH4	Thermistor 4 x 0.1 [°C]
AI				04	TH5	Thermistor 5 x 0.1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					05	TH6	Thermistor 6 x 0.1 [°C]
AI					06	TH7	Thermistor 7 x 0.1 [°C]
AI					07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					08	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					09	THHS	Thermistor 9 x 0.1 [°C]
AI					10	THBOX	Thermistor in box x 0.1 [°C]
AI					11	Tc	Condensing temperature x 0.1 [°C]
AI					12	Te	Evaporating temperature x 0.1 [°C]
AI					13	Vdc	COMP bus voltage x 0.1 [V]
AI					14	Iu	U-Phase current effective value x 0.1 [A]
AI					15	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI					22	SCc	Coil outlet subcooling x 0.1 [°C]
AI					23	SHb	Coil bypass outlet superheat x 0.1 [°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		Index				
	VA						
					00	Type	
AI					01	TH2	Thermistor 2 x 0.1 [°C]
AI					02	TH3	Thermistor 3 x 0.1 [°C]
AI					03	TH4	Thermistor 4 x 0.1 [°C]
AI					04	TH5	Thermistor 5 x 0.1 [°C]
AI					05	TH6	Thermistor 6 x 0.1 [°C]
AI					06	TH7	Thermistor 7 x 0.1 [°C]
AI					07	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI					08	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					09	THHS	Thermistor 9 x 0.1 [°C]
AI					10	Tc	Condensing temperature x 0.1 [°C]
AI					11	Te	Evaporating temperature x 0.1 [°C]
AI					12	Vdc	COMP bus voltage x 0.1 [V]
AI					13	Iu	U-Phase current effective value x 0.1 [A]
AI					14	Iw	W-Phase current effective value x 0.1 [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 x 0.1 [°C]
AI					19	SCc	Coil outlet subcooling x 0.1 [°C]





Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
		VA	Index			
AI		20			SHb	Coil bypass outlet superheat x 0.1 [°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			
		00			Type	
PIV		01			CtrlM	Control Mode
PIV		02			OpeM	Operation Mode
IV		03			F(Hz)	All temporary frequencies [Hz]
PIV		05			Foc	Temporary frequency [Hz]
PIV		06			FAN	Fan output [Hz]
IV		07			QjC	Total capacity Cool
IV		08			QjH	Total capacity Heat
PIV		09			LEV1	LEV1 Linear expansion valve [pls]
PIV		10			LEV2a	LEV2a [pls]
PIV		11			LEV4	Linear expansion valve [pls]
PIV		12			LEV9	LEV9 [pls]
AI		13			lu	U-Phase current effective value x 0.1 [A]
AI		14			lw	W-Phase current effective value x 0.1 [A]
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 x 0.1 [kg/cm2]
AI		23			63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		24			TH2	Thermistor 2 x 0.1 [°C]
AI		25			TH3	Thermistor 3 x 0.1 [°C]
AI		26			TH4	Thermistor 4 x 0.1 [°C]
AI		27			TH5	Thermistor 5 x 0.1 [°C]
AI		28			TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI		29			TH7	Thermistor 7 x 0.1 [°C]
AI		30			TH15	Thermistor 15 x 0.1 [°C]
AI		38			SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI		39			SCc	Coil outlet subcooling x 0.1 [°C]
AI		40			SHb	Coil bypass outlet superheat x 0.1 [°C]
AI		41			Tc	Condensing temperature x 0.1 [°C]
AI		42			Te	Evaporating temperature x 0.1 [°C]
AI		43			THHS	Thermistor 9 x 0.1 [°C]
AI		45			THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		46			THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		57			Dmnd	Demand
BI		58			SV1a	SV1(A)/SV1a
BI		59			Dmnd2	Demand2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					60	Snow	
BI					61	Ngt	
BI					62	Ngt2	
BI					63	21S4a	
BI					64	21S4b	
BI					65	IH	
BI					66	H-Def1	
BI					67	H-Def2	
PIV					68	FAN-Fr	
PIV					69	FAN2-Fr	
BI					70	AF	
BI					71	RefChrgAdj	
BI					72	Pwr	
BI					73	WM	
BI					74	Rep	
BI					75	72C	
BI					76	CompOn	
BI					77	M-NetSup	
BI					78	SV9	
BI					79	SV2	
BI					80	SV10	

• **PUHY-(E)P [capacity]**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
					00	Type	
AI					01	TH2	
AI					02	TH3	
AI					03	TH4	
AI					04	TH5	
AI					05	TH6	
AI					06	TH7	
AI					07	63HS1	
AI					08	63LS	
AI					09	THHS	
AI					10	THBOX	
AI					11	Tc	
AI					12	Te	
AI					13	Vdc	
AI					14	Iu	
AI					15	Iw	
PIV					16	FAN	
IV					17	QjC	
IV					18	QjH	
AI					19	SCo	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance		VA	Index		
	AI					
AI				21	SHb	Coil bypass outlet superheat x 0.1 [°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		
PIV				01	CtrlM	Control Mode
PIV				02	OpeM	Operation Mode
IV				03	F(Hz)	All temporary frequencies [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				13	Iu	U-Phase current effective value x 0.1 [A]
AI				14	Iw	W-Phase current effective value x 0.1 [A]
AI				16	Vdc	COMP bus voltage x 0.1 [V]
AI				17	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				18	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				19	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI				20	TH2	Thermistor 2 x 0.1 [°C]
AI				21	TH3	Thermistor 3 x 0.1 [°C]
AI				22	TH4	Thermistor 4 x 0.1 [°C]
AI				23	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI				24	TH7	Thermistor 7 x 0.1 [°C]
AI				31	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI				32	SCc	Coil outlet subcooling x 0.1 [°C]
AI				33	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI				34	Tc	Condensing temperature x 0.1 [°C]
AI				35	Te	Evaporating temperature x 0.1 [°C]
AI				36	THHS	Thermistor 9 x 0.1 [°C]
AI				37	THBOX	Thermistor in box x 0.1 [°C]
BI				40	Dmnd	Demand
BI				41	SV1a	SV1(A)/SV1a
BI				42	Dmnd2	Demand2
BI				43	Snow	Snow
BI				44	Ngt	Night
BI				45	Ngt2	Night2
BI				46	21S4a	21S4a



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
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-EP [capacity] (T/Y)NU-A.TH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
				00	Type		
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [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				13	Iu	U-Phase current effective value x 0.1 [A]	
AI				14	Iw	W-Phase current effective value x 0.1 [A]	
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 x 0.1 [kg/cm2]	
AI				22	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				23	TH2	Thermistor 2 x 0.1 [°C]	
AI				24	TH3	Thermistor 3 x 0.1 [°C]	
AI				25	TH4	Thermistor 4 x 0.1 [°C]	
AI				26	TH5	Thermistor 5 x 0.1 [°C]	
AI				27	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				28	TH7	Thermistor 7 x 0.1 [°C]	
AI				29	TH15	Thermistor 15 x 0.1 [°C]	
AI				36	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				37	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				38	SHb	Coil bypass outlet superheat x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				40	Te	Evaporating temperature x 0.1 [°C]	
AI				41	THHS	Thermistor 9 x 0.1 [°C]	
BI				42	Dmnd	Demand	
BI				43	SV1a	SV1(A)/SV1a	
BI				44	Dmnd2	Demand2	
BI				45	Snow	Snow	
BI				46	Ngt	Night	
BI				47	Ngt2	Night2	
BI				48	21S4a	21S4a	
BI				49	21S4b	21S4b	
BI				50	SV9	SV9	
BI				51	SV2	SV2	
BI				52	SV10	SV10	
BI				53	SV14	SV14	
BI				54	SV15	SV15	
AI				56	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
BI				58	IH	IH	
BI				59	H-Def1	H-Def1	
BI				60	H-Def2	H-Def2	
PIV				61	FAN-Fr	Fan1 run status	
BI				62	AF	Active Filter	
BI				63	RefChrgAdj	Ref Charge Adj	
BI				64	Pwr	Power source frequency	
BI				65	WM	WM	
BI				66	Rep	Repeater output	
BI				67	72C	72C	
BI				68	CompOn	Comp ON	
BI				69	M-NetSup	M-NET supply	

• 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			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [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				13	Iu	U-Phase current effective value x 0.1 [A]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
PIV				17	FAN(rpm)	FAN(rpm) [rpm]	
PIV				18	FAN2(rpm)	FAN2(rpm) [rpm]	
BI				19	IH	IH	
BI				20	H-Def1	H-Def1	
BI				21	H-Def2	H-Def2	
PIV				22	FAN-Fr	Fan1 run status	
PIV				23	FAN2-Fr	Fan2 run status	
BI				24	AF	Active Filter	
BI				25	RefChrgAdj	Ref Charge Adj	
BI				26	Pwr	Power source frequency	
BI				27	WM	WM	
BI				28	Rep	Repeater output	
BI				29	72C	72C	
BI				30	CompOn	Comp ON	
BI				31	M-NetSup	M-NET supply	
PIV				32	FAN2	FAN2	
IV				33	Vdc	Bus voltage [V]	
PIV				34	LEV2b	LEV2b [pls]	
PIV				35	LEV9	LEV9 [pls]	
AI				36	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				37	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				38	TH2	Thermistor 2 x 0.1 [°C]	
AI				39	TH3	Thermistor 3 x 0.1 [°C]	
AI				40	TH4	Thermistor 4 x 0.1 [°C]	
AI				41	TH5	Thermistor 5 x 0.1 [°C]	
AI				42	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				43	TH7	Thermistor 7 x 0.1 [°C]	
AI				44	TH15	Thermistor 15 x 0.1 [°C]	
AI				52	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				53	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				54	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				55	Tc	Condensing temperature x 0.1 [°C]	
AI				56	Te	Evaporating temperature x 0.1 [°C]	
AI				57	THHS	Thermistor 9 x 0.1 [°C]	
BI				58	Dmnd	Demand	
BI				59	SV1a	SV1(A)/SV1a	
BI				60	Dmnd2	Demand2	
BI				61	Snow	Snow	
BI				62	NgT	Night	
BI				63	NgT2	Night2	
BI				64	21S4a	21S4a	
BI				65	21S4b	21S4b	
BI				66	SV9	SV9	
BI				67	SV2	SV2	
BI				68	SV10	SV10	



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance		VA	Index		
	BI					
BI				70	SV15	SV15
AI				72	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI				73	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]

• **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		
PIV				01	CtrlM	Control Mode
PIV				02	OpeM	Operation Mode
IV				03	F(Hz)	All temporary frequencies [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				13	lu	U-Phase current effective value x 0.1 [A]
AI				14	lw	W-Phase current effective value x 0.1 [A]
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 x 0.1 [kg/cm2]
AI				25	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI				26	TH2	Thermistor 2 x 0.1 [°C]
AI				27	TH3	Thermistor 3 x 0.1 [°C]
AI				28	TH4	Thermistor 4 x 0.1 [°C]
AI				29	TH5	Thermistor 5 x 0.1 [°C]
AI				30	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI				31	TH7	Thermistor 7 x 0.1 [°C]
AI				32	TH15	Thermistor 15 x 0.1 [°C]
BI				40	IH	IH
BI				41	H-Def1	H-Def1
BI				42	H-Def2	H-Def2
PIV				43	FAN-Fr	Fan1 run status
PIV				44	FAN2-Fr	Fan2 run status
BI				45	AF	Active Filter
BI				46	RefChrgAdj	Ref Charge Adj



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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	
AI				53	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				54	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				55	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				56	Tc	Condensing temperature x 0.1 [°C]	
AI				57	Te	Evaporating temperature x 0.1 [°C]	
AI				58	THHS	Thermistor 9 x 0.1 [°C]	
BI				59	Dmnd	Demand	
BI				60	SV1a	SV1(A)/SV1a	
BI				61	Dmnd2	Demand2	
BI				62	Snow	Snow	
BI				63	Ngt	Night	
BI				64	Ngt2	Night2	
BI				65	21S4a	21S4a	
BI				66	21S4b	21S4b	
BI				67	21S4c	21S4c	
BI				68	SV9	SV9	
BI				69	SV2	SV2	
BI				70	SV10	SV10	
BI				71	SV11	SV11	
AI				73	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI				74	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]	

• **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			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
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				12	Iu	U-Phase current effective value x 0.1 [A]	
AI				13	Iw	W-Phase current effective value x 0.1 [A]	
PIV				15	FAN(rpm)	FAN(rpm) [rpm]	
PIV				16	FAN2(rpm)	FAN2(rpm) [rpm]	





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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 x 0.1 [kg/cm2]
AI					22	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI					23	TH2	Thermistor 2 x 0.1 [°C]
AI					24	TH3	Thermistor 3 x 0.1 [°C]
AI					25	TH4	Thermistor 4 x 0.1 [°C]
AI					26	TH5	Thermistor 5 x 0.1 [°C]
AI					27	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI					28	TH7	Thermistor 7 x 0.1 [°C]
AI					29	TH15	Thermistor 15 x 0.1 [°C]
AI					35	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI					36	SCc	Coil outlet subcooling x 0.1 [°C]
AI					37	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI					38	Tc	Condensing temperature x 0.1 [°C]
AI					39	Te	Evaporating temperature x 0.1 [°C]
AI					40	THHS	Thermistor 9 x 0.1 [°C]
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	21S4b	21S4b
BI					49	SV9	SV9
BI					50	SV2	SV2
BI					51	SV10	SV10
BI					52	SV14	SV14
BI					53	SV15	SV15
AI					55	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI					56	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI					57	IH	IH
BI					58	H-Def1	H-Def1
BI					59	H-Def2	H-Def2
PIV					60	FAN-Fr	Fan1 run status
PIV					61	FAN2-Fr	Fan2 run status
BI					62	AF	Active Filter
BI					63	Pwr	Power source frequency
BI					64	WM	WM
BI					65	Rep	Repeater output
BI					66	72C	72C
BI					67	CompOn	Comp ON
BI					68	M-NetSup	M-NET supply



• PUCY-P [capacity] YKA/YKD

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					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					11	Iu U-Phase current effective value x 0.1 [A]	
AI					12	Iw W-Phase current effective value x 0.1 [A]	
PIV					15	FAN(rpm) FAN(rpm) [rpm]	
BI					16	IH IH	
PIV					17	FAN-Fr Fan1 run status	
BI					18	AF Active Filter	
BI					19	Pwr Power source frequency	
BI					20	WM WM	
BI					21	Rep Repeater output	
BI					22	72C 72C	
BI					23	CompOn Comp ON	
BI					24	M-NetSup M-NET supply	
AI					25	Vdc COMP bus voltage x 0.1 [V]	
AI					26	63HS1 63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI					27	63LS 63LS Pressure sensor x 0.1 [kg/cm2]	
AI					28	TH2 Thermistor 2 x 0.1 [°C]	
AI					29	TH3 Thermistor 3 x 0.1 [°C]	
AI					30	TH4 Thermistor 4 x 0.1 [°C]	
AI					31	TH6 Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI					32	TH7 Thermistor 7 x 0.1 [°C]	
AI					39	SCo Heat exchanger outlet subcooling x 0.1 [°C]	
AI					40	SCc Coil outlet subcooling x 0.1 [°C]	
AI					41	SHb Coil bypass outlet superheat x 0.1 [°C]	
AI					42	Tc Condensing temperature x 0.1 [°C]	
AI					43	Te Evaporating temperature x 0.1 [°C]	
AI					44	THHS Thermistor 9 x 0.1 [°C]	
BI					45	Dmnd Demand	
BI					46	SV1a SV1(A)/SV1a	
BI					47	Dmnd2 Demand2	
BI					48	Snow Snow	
BI					49	Ngt Night	
BI					50	Ngt2 Night2	

• PQRV-P [capacity] (T/Y)LMU-A(A1)



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						05	Foc	Temporary frequency [Hz]
IV						06	QjC	Total capacity Cool
IV						07	QjH	Total capacity Heat
AI						12	Iu	U-Phase current effective value x 0.1 [A]
AI						13	Iw	W-Phase current effective value x 0.1 [A]
IV						15	Vdc	Bus voltage [V]
AI						16	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI						17	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI						18	TH4	Thermistor 4 x 0.1 [°C]
AI						19	TH5	Thermistor 5 x 0.1 [°C]
AI						20	TH7	Thermistor 7 x 0.1 [°C]
AI						21	TH8	Thermistor 8 x 0.1 [°C]
AI						28	Tc	Condensing temperature x 0.1 [°C]
AI						29	Te	Evaporating temperature x 0.1 [°C]
AI						30	THHS	Thermistor 9 x 0.1 [°C]
BI						35	Dmnd	Demand
BI						36	SV1a	SV1(A)/SV1a
BI						37	Dmnd2	Demand2
BI						38	Snow	Snow
BI						39	Ngt	Night
BI						40	Ngt2	Night2
BI						41	21S4a	21S4a
BI						42	IH	IH
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	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				
PIV						01	CtrlM	Control Mode



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
IV				06	QjC	Total capacity Cool	
IV				07	QjH	Total capacity Heat	
AI				12	lu	U-Phase current effective value x 0.1 [A]	
AI				13	lw	W-Phase current effective value x 0.1 [A]	
IV				15	Vdc	Bus voltage [V]	
AI				16	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				17	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				18	TH4	Thermistor 4 x 0.1 [°C]	
AI				19	TH5	Thermistor 5 x 0.1 [°C]	
AI				20	TH7	Thermistor 7 x 0.1 [°C]	
AI				21	TH8	Thermistor 8 x 0.1 [°C]	
AI				27	Tc	Condensing temperature x 0.1 [°C]	
AI				28	Te	Evaporating temperature x 0.1 [°C]	
AI				29	THHS	Thermistor 9 x 0.1 [°C]	
BI				34	Dmnd	Demand	
BI				35	SV1a	SV1(A)/SV1a	
BI				36	Dmnd2	Demand2	
BI				37	Snow	Snow	
BI				38	Ngt	Night	
BI				39	Ngt2	Night2	
BI				40	21S4a	21S4a	
BI				41	21S4b	21S4b	
BI				42	IH	IH	
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	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	

• PQRV-P [capacity] YLM-A(A1/A2)

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
IV				03	F(Hz)	All temporary frequencies [Hz]	
PIV				05	Foc	Temporary frequency [Hz]	
IV				06	QjC	Total capacity Cool	
IV				07	QjH	Total capacity Heat	
AI				12	lu	U-Phase current effective value x 0.1 [A]	
AI				13	lw	W-Phase current effective value x 0.1 [A]	
IV				15	Vdc	Bus voltage [V]	
AI				16	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				17	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				18	TH4	Thermistor 4 x 0.1 [°C]	
AI				19	TH5	Thermistor 5 x 0.1 [°C]	
AI				20	TH7	Thermistor 7 x 0.1 [°C]	
AI				21	TH8	Thermistor 8 x 0.1 [°C]	
AI				27	Tc	Condensing temperature x 0.1 [°C]	
AI				28	Te	Evaporating temperature x 0.1 [°C]	
AI				29	THHS	Thermistor 9 x 0.1 [°C]	
BI				34	Dmnd	Demand	
BI				35	SV1a	SV1(A)/SV1a	
BI				36	Dmnd2	Demand2	
BI				37	Snow	Snow	
BI				38	Ngt	Night	
BI				39	Ngt2	Night2	
BI				40	21S4a	21S4a	
BI				41	IH	IH	
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	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	

• PQR-Y-P [capacity] YLM-A(A1/A2)

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	
PIV				04	Fos	Temporary frequency [Hz]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	IV						
IV				06	QjH	Total capacity Heat	
AI				11	lu	U-Phase current effective value x 0.1 [A]	
AI				12	lw	W-Phase current effective value x 0.1 [A]	
IV				14	Vdc	Bus voltage [V]	
AI				15	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				16	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				17	TH4	Thermistor 4 x 0.1 [°C]	
AI				18	TH5	Thermistor 5 x 0.1 [°C]	
AI				19	TH7	Thermistor 7 x 0.1 [°C]	
AI				20	TH8	Thermistor 8 x 0.1 [°C]	
AI				24	Tc	Condensing temperature x 0.1 [°C]	
AI				25	Te	Evaporating temperature x 0.1 [°C]	
AI				26	THHS	Thermistor 9 x 0.1 [°C]	
BI				29	Dmnd	Demand	
BI				30	SV1a	SV1(A)/SV1a	
BI				31	Dmnd2	Demand2	
BI				32	Snow	Snow	
BI				33	Ngt	Night	
BI				34	Ngt2	Night2	
BI				35	21S4a	21S4a	
BI				36	IH	IH	
BI				37	WM	WM	
BI				38	Rep	Repeater output	
BI				39	72C	72C	
BI				40	CompOn	Comp ON	
BI				41	M-NetSup	M-NET supply	
BI				42	SV9	SV9	
BI				43	SV4a	SV4a	
BI				44	SV4b	SV4b	
BI				45	SV4d	SV4d	
BI				46	SV7a	SV7a	
BI				47	SV7b	SV7b	
BI				48	UnOnOff	Unit On/Off	

#### • PQRYP [capacity]

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				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			
	AI						
AI				11	lw	W-Phase current effective value x 0.1 [A]	
AI				13	Vdc	COMP bus voltage x 0.1 [V]	
AI				14	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				15	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				16	TH4	Thermistor 4 x 0.1 [°C]	
AI				17	TH5	Thermistor 5 x 0.1 [°C]	
AI				18	TH7	Thermistor 7 x 0.1 [°C]	
AI				19	TH8	Thermistor 8 x 0.1 [°C]	
AI				26	Tc	Condensing temperature x 0.1 [°C]	
AI				27	Te	Evaporating temperature x 0.1 [°C]	
AI				28	THHS	Thermistor 9 x 0.1 [°C]	
BI				33	Dmnd	Demand	
BI				34	SV1a	SV1(A)/SV1a	
BI				35	Dmnd2	Demand2	
BI				36	Ngt	Night	
BI				37	Ngt2	Night2	
BI				38	21S4a	21S4a	
BI				39	Pwr	Power source frequency	
BI				40	WM	WM	
BI				41	Rep	Repeater output	
BI				42	M-NetSup	M-NET supply	
BI				43	SV9	SV9	
BI				44	SV4a	SV4a	
BI				45	SV4b	SV4b	
BI				46	SV4d	SV4d	
BI				47	INV-FAN1	INV-FAN1	
BI				48	SV7a	SV7a	
BI				49	SV7b	SV7b	
BI				50	UnOnOff	Unit On/Off	

#### • PQHY-P [capacity]

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				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]	
AI				12	lu	U-Phase current effective value x 0.1 [A]	
AI				13	lw	W-Phase current effective value x 0.1 [A]	
AI				16	Vdc	COMP bus voltage x 0.1 [V]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					17	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI					18	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]
AI					19	TH2	Thermistor 2 x 0.1 [°C]
AI					20	TH3	Thermistor 3 x 0.1 [°C]
AI					21	TH4	Thermistor 4 x 0.1 [°C]
AI					22	TH5	Thermistor 5 x 0.1 [°C]
AI					23	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI					24	TH7	Thermistor 7 x 0.1 [°C]
AI					25	TH8	Thermistor 8 x 0.1 [°C]
AI					31	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI					32	SCc	Coil outlet subcooling x 0.1 [°C]
AI					33	SHb	Coil bypass outlet superheat x 0.1 [°C]
AI					34	Tc	Condensing temperature x 0.1 [°C]
AI					35	Te	Evaporating temperature x 0.1 [°C]
AI					36	THHS	Thermistor 9 x 0.1 [°C]
BI					40	Dmnd	Demand
BI					41	SV1a	SV1(A)/SV1a
BI					42	Dmnd2	Demand2
BI					43	Ngt	Night
BI					44	Ngt2	Night2
BI					45	21S4a	21S4a
BI					46	Pwr	Power source frequency
BI					47	WM	WM
BI					48	Rep	Repeater output
BI					49	72C	72C
BI					50	CompOn	Comp ON
BI					51	M-NetSup	M-NET supply
BI					52	CH11	CH11
BI					53	SV9	SV9
BI					54	SV4a	SV4a
BI					55	SV4b	SV4b
BI					56	SV4d	SV4d
BI					57	INV-FAN1	INV-FAN1
BI					58	SV7a	SV7a
BI					59	SV7b	SV7b
BI					60	UnOnOff	Unit On/Off

• PUVH-P [capacity] CM-E/...

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





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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				11	lu	U-Phase current effective value x 0.1 [A]	
AI				12	lw	W-Phase current effective value x 0.1 [A]	
AI				14	Vdc	COMP bus voltage x 0.1 [V]	
AI				15	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				16	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				17	TH2	Thermistor 2 x 0.1 [°C]	
AI				18	TH3	Thermistor 3 x 0.1 [°C]	
AI				19	TH4	Thermistor 4 x 0.1 [°C]	
AI				20	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				21	TH7	Thermistor 7 x 0.1 [°C]	
AI				28	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				29	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				30	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				31	Tc	Condensing temperature x 0.1 [°C]	
AI				32	Te	Evaporating temperature x 0.1 [°C]	
AI				33	THHS	Thermistor 9 x 0.1 [°C]	
AI				34	THBOX	Thermistor in box x 0.1 [°C]	
BI				37	Dmnd	Demand	
BI				38	SV1a	SV1(A)/SV1a	
BI				39	Dmnd2	Demand2	
BI				40	Snow	Snow	
BI				41	Ngt	Night	
BI				42	Ngt2	Night2	
BI				43	21S4a	21S4a	
BI				44	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			



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	OpeM	Operation Mode	
IV				03	F(Hz)	All temporary frequencies [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				12	Iu	U-Phase current effective value x 0.1 [A]	
AI				13	Iw	W-Phase current effective value x 0.1 [A]	
AI				15	Vdc	COMP bus voltage x 0.1 [V]	
AI				16	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI				17	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
AI				18	TH2	Thermistor 2 x 0.1 [°C]	
AI				19	TH3	Thermistor 3 x 0.1 [°C]	
AI				20	TH4	Thermistor 4 x 0.1 [°C]	
AI				21	TH5	Thermistor 5 x 0.1 [°C]	
AI				22	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				23	TH7	Thermistor 7 x 0.1 [°C]	
AI				30	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				31	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				32	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				33	Tc	Condensing temperature x 0.1 [°C]	
AI				34	Te	Evaporating temperature x 0.1 [°C]	
AI				35	THHS	Thermistor 9 x 0.1 [°C]	
AI				36	THBOX	Thermistor in box x 0.1 [°C]	
BI				39	Dmnd	Demand	
BI				40	SV1a	SV1(A)/SV1a	
BI				41	Dmnd2	Demand2	
BI				42	Snow	Snow	
BI				43	Ngt	Night	
BI				44	Ngt2	Night2	
BI				45	21S4a	21S4a	
BI				46	Pwr	Power source frequency	
BI				47	WM	WM	
BI				48	Rep	Repeater output	
BI				49	72C	72C	
BI				50	CompOn	Comp ON	
BI				51	M-NetSup	M-NET supply	
BI				52	CH11	CH11	
BI				53	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			
PIV				01	CtrlM	Control Mode	
PIV				02	OpeM	Operation Mode	
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				11	Iu	U-Phase current effective value x 0.1 [A]	
AI				12	Iw	W-Phase current effective value x 0.1 [A]	
AI				14	Vdc	COMP bus voltage x 0.1 [V]	
AI				15	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				16	63LS	63LS Pressure sensor x 0.1 [kg/cm <sup>2</sup> ]	
AI				17	TH2	Thermistor 2 x 0.1 [°C]	
AI				18	TH3	Thermistor 3 x 0.1 [°C]	
AI				19	TH4	Thermistor 4 x 0.1 [°C]	
AI				20	TH5	Thermistor 5 x 0.1 [°C]	
AI				21	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]	
AI				22	TH7	Thermistor 7 x 0.1 [°C]	
AI				27	SCo	Heat exchanger outlet subcooling x 0.1 [°C]	
AI				28	SCc	Coil outlet subcooling x 0.1 [°C]	
AI				29	SHb	Coil bypass outlet superheat x 0.1 [°C]	
AI				30	Tc	Condensing temperature x 0.1 [°C]	
AI				31	Te	Evaporating temperature x 0.1 [°C]	
AI				32	THHS	Thermistor 9 x 0.1 [°C]	
AI				33	THBOX	Thermistor in box x 0.1 [°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	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	

- CMB-WP [capacity] V-GA1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
					00		
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 x 0.1	
AI		04			TH14	TH13 x 0.1	
AI		05			TH15	Bypass inlet temperature	
AI		06			TH16	Bypass outlet temperature	
AI		07			TH31a	TH31a x 0.1	
AI		08			TH31b	TH31b x 0.1	
AI		09			TH31c	TH31c x 0.1	
AI		10			TH31d	TH31d x 0.1	
AI		11			TH31e	TH31e x 0.1	
AI		12			TH31f	TH31f x 0.1	
AI		13			TH31g	TH31g x 0.1	
AI		14			TH31h	TH31h x 0.1	
AI		15			TH31i	TH31i x 0.1	
AI		16			TH31j	TH31j x 0.1	
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 x 0.1	
AI		20			TH35	TH35 x 0.1	
AI		21			PS1	Detects the high pressure at the liquid side. x 0.1	
AI		22			PS3	Detects the low pressure. x 0.1	
AI		23			TH31k	TH31k x 0.1	
AI		24			TH31l	TH31l x 0.1	
AI		25			TH31m	TH31m x 0.1	
AI		26			TH31n	TH31n x 0.1	
AI		27			TH31o	TH31o x 0.1	
AI		28			TH31p	TH31p x 0.1	
AI		29			SH1	Superheat at bypass exit area. TH13-TH11 (only HB) x 0.1	
AI		30			SH2	BC SH2 x 0.1 [°C]	
AI		31			SC1	BC SC1 x 0.1 [°C]	
AI		32			SC2	Subcool at liquid entrance area. PT1-TH12 (only HB) x 0.1	
AI		33			PT1	Average of saturation gas temperature x 0.1	
AI		34			dPHM	BC dPHM x 0.1 [kg/cm <sup>2</sup> ]	
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	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				42	21S4Mb	Solenoid valve	
PIV				43	PumpI1	number of rotations	
PIV				44	PumpI2	number of rotations	
PIV				45	PumpO1	variable for control	
PIV				46	PumpO2	variable for control	
PIV				47	HBSig	Outdoor unit operation control signal to OC	
PIV				48	OCSig	Indoor unit operation control signal from OC	
IV				49	QjC	Total capacity Cool	
IV				50	QjH	Total capacity Heat	
PIV				51	L1	BC L1 Liquid level control	
PIV				52	L2	BC L2 Liquid level control	
PIV				53	L3	BC L3 Liquid level control	
IV				54	VB3a	3-way valve VB3a	
IV				55	VB3b	3-way valve VB3b	
IV				56	VB3c	3-way valve VB3c	
IV				57	VB3d	3-way valve VB3d	
IV				58	VB3e	3-way valve VB3e	
IV				59	VB3f	3-way valve VB3f	
IV				60	VB3g	3-way valve VB3g	
IV				61	VB3h	3-way valve VB3h	
IV				62	VB3i	3-way valve VB3i	
IV				63	VB3j	3-way valve VB3j	
IV				64	VB3k	3-way valve VB3k	
IV				65	VB3l	3-way valve VB3l	
IV				66	VB3m	3-way valve VB3m	
IV				67	VB3n	3-way valve VB3n	
IV				68	VB3o	3-way valve VB3o	
IV				69	VB3p	3-way valve VB3p	

#### • CMB-WM [capacity] V-AA

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
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 x 0.1	
AI				04	TH14	TH13 x 0.1	
AI				05	TH15	Bypass inlet temperature	
AI				06	TH16	Bypass outlet temperature	
AI				07	TH31a	TH31a x 0.1	
AI				08	TH31b	TH31b x 0.1	
AI				09	TH31c	TH31c x 0.1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				11	TH31e	TH31e x 0.1	
AI				12	TH31f	TH31f x 0.1	
AI				13	TH31g	TH31g x 0.1	
AI				14	TH31h	TH31h x 0.1	
AI				15	TH31i	TH31i x 0.1	
AI				16	TH31j	TH31j x 0.1	
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 x 0.1	
AI				20	TH35	TH35 x 0.1	
AI				21	PS1	Detects the high pressure at the liquid side. x 0.1	
AI				22	PS3	Detects the low pressure. x 0.1	
AI				23	TH31k	TH31k x 0.1	
AI				24	TH31l	TH31l x 0.1	
AI				25	TH31m	TH31m x 0.1	
AI				26	TH31n	TH31n x 0.1	
AI				27	TH31o	TH31o x 0.1	
AI				28	TH31p	TH31p x 0.1	
AI				29	SH1	Superheat at bypass exit area. TH13-TH11 (only HB) x 0.1	
AI				30	SH2	BC SH2 x 0.1 [°C]	
AI				31	SC1	BC SC1 x 0.1 [°C]	
AI				32	SC2	Subcool at liquid entrance area. PT1-TH12 (only HB) x 0.1	
AI				33	PT1	Average of saturation gas temperature x 0.1	
AI				34	dPHM	BC dPHM x 0.1 [kg/cm <sup>2</sup> ]	
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	Solenoid valve	
BI				42	21S4Mb	Solenoid valve	
PIV				43	PumpI1	number of rotations	
PIV				44	PumpI2	number of rotations	
PIV				45	PumpO1	variable for control	
PIV				46	PumpO2	variable for control	
PIV				47	HBSig	Outdoor unit operation control signal to OC	
PIV				48	OCSig	Indoor unit operation control signal from OC	
IV				49	QjC	Total capacity Cool	
IV				50	QjH	Total capacity Heat	
PIV				51	L1	BC L1 Liquid level control	
PIV				52	L2	BC L2 Liquid level control	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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			
AI					01	T1	BC T1 x 0.1 [°C]
AI					02	T2	BC T2 x 0.1 [°C]
AI					03	T3	BC T3 x 0.1 [°C]
AI					04	T4	BC T4 x 0.1 [°C]
AI					05	T5	BC T5 x 0.1 [°C]
AI					06	T6	BC T6 x 0.1 [°C]
AI					07	P1	BC P1 High pressure x 0.1 [kg/cm <sup>2</sup> ]
AI					08	P2	BC P2 High pressure x 0.1 [kg/cm <sup>2</sup> ]
AI					09	P3	BC P3 Intermediate pressure x 0.1 [kg/cm <sup>2</sup> ]
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		VA	Index			
AI					01	T1	BC T1 x 0.1 [°C]
AI					02	T2	BC T2 x 0.1 [°C]
AI					03	T5	BC T5 x 0.1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance			Index			
	VA						
AI				04	T6	BC T6 x 0.1 [°C]	
AI				05	P1	BC P1 High pressure x 0.1 [kg/cm <sup>2</sup> ]	
AI				06	P3	BC P3 Intermediate pressure x 0.1 [kg/cm <sup>2</sup> ]	
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						
				00	Type		
AI				01	T1	BC T1 x 0.1 [°C]	
AI				02	T2	BC T2 x 0.1 [°C]	
AI				03	T5	BC T5 x 0.1 [°C]	
AI				04	T6	BC T6 x 0.1 [°C]	
AI				05	P1	BC P1 High pressure x 0.1 [kg/cm <sup>2</sup> ]	
AI				06	P3	BC P3 Intermediate pressure x 0.1 [kg/cm <sup>2</sup> ]	
PIV				07	L1	BC L1 Liquid level control	
PIV				08	L3	BC L3 Liquid level control	
AI				09	dPHM	BC dPHM x 0.1 [kg/cm <sup>2</sup> ]	
AI				10	SC1	BC SC1 x 0.1 [°C]	
AI				11	SC6	BC SC6 x 0.1 [°C]	
AI				12	SH2	BC SH2 x 0.1 [°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	





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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		VA	Index			
AI				01	T1	BC T1 x 0.1 [°C]	
AI				02	T2	BC T2 x 0.1 [°C]	
AI				03	T5	BC T5 x 0.1 [°C]	
AI				04	T6	BC T6 x 0.1 [°C]	
AI				05	P1	BC P1 High pressure x 0.1 [kg/cm2]	
AI				06	P3	BC P3 Intermediate pressure x 0.1 [kg/cm2]	
PIV				07	L1	BC L1 Liquid level control	
PIV				08	L2	BC L2 Liquid level control	
PIV				09	L3	BC L3 Liquid level control	

### • BC(sub)



Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
VA		Index				
				00	Type	
AI				01	T2	BC T2 x 0.1 [°C]
AI				02	T5	BC T5 x 0.1 [°C]
PIV				03	L3	BC L3 Liquid level control

### • BC(main)

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
VA		Index				
				00	Type	
AI				01	T1	BC T1 x 0.1 [°C]
AI				02	T2	BC T2 x 0.1 [°C]
AI				03	T5	BC T5 x 0.1 [°C]
AI				04	T6	BC T6 x 0.1 [°C]
AI				05	P1	BC P1 High pressure x 0.1 [kg/cm2]
AI				06	P3	BC P3 Intermediate pressure x 0.1 [kg/cm2]
PIV				07	L1	BC L1 Liquid level control
PIV				08	L2	BC L2 Liquid level control
PIV				09	L3	BC L3 Liquid level control

### • BC(J)

Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type		Instance				
VA		Index				
				00	Type	
AI				01	T1	BC T1 x 0.1 [°C]
AI				02	T2	BC T2 x 0.1 [°C]
AI				03	T5	BC T5 x 0.1 [°C]
AI				04	T6	BC T6 x 0.1 [°C]
AI				05	P1	BC P1 High pressure x 0.1 [kg/cm2]
AI				06	P3	BC P3 Intermediate pressure x 0.1 [kg/cm2]
PIV				07	L1	BC L1 Liquid level control
PIV				08	L3	BC L3 Liquid level control
AI				09	dPHM	BC dPHM x 0.1 [kg/cm2]
AI				10	SC1	BC SC1 x 0.1 [°C]
AI				11	SC6	BC SC6 x 0.1 [°C]
AI				12	SH2	BC SH2 x 0.1 [°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



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
BI			21	9a	9a
BI			22	Aa	Aa
BI			23	Ba	Ba
BI			24	Ca	Ca
BI			25	Da	Da
BI			26	Ea	Ea
BI			27	Fa	Fa
BI			28	0a	0a
BI			29	1b	1b
BI			30	2b	2b
BI			31	3b	3b
BI			32	4b	4b
BI			33	5b	5b
BI			34	6b	6b
BI			35	7b	7b
BI			36	8b	8b
BI			37	9b	9b
BI			38	Ab	Ab
BI			39	Bb	Bb
BI			40	Cb	Cb
BI			41	Db	Db
BI			42	Eb	Eb
BI			43	Fb	Fb
BI			44	0b	0b
BI			45	1c	1c
BI			46	2c	2c
BI			47	3c	3c
BI			48	4c	4c
BI			49	5c	5c
BI			50	6c	6c
BI			51	7c	7c
BI			52	8c	8c
BI			53	9c	9c
BI			54	Ac	Ac
BI			55	Bc	Bc
BI			56	Cc	Cc
BI			57	Dc	Dc
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)**



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			Type
AI					01	T1	BC T1 x 0.1 [°C]
AI					02	T2	BC T2 x 0.1 [°C]
AI					03	T5	BC T5 x 0.1 [°C]
AI					04	T6	BC T6 x 0.1 [°C]
AI					05	P1	BC P1 High pressure x 0.1 [kg/cm2]
AI					06	P3	BC P3 Intermediate pressure x 0.1 [kg/cm2]
PIV					07	L1	BC L1 Liquid level control
PIV					08	L3	BC L3 Liquid level control
PIV					09	L4	BC L4 Liquid level control
AI					10	dPHM	BC dPHM x 0.1 [kg/cm2]
AI					11	SC1	BC SC1 x 0.1 [°C]
AI					12	SC6	BC SC6 x 0.1 [°C]
AI					13	SH2	BC SH2 x 0.1 [°C]
BI					14	1a	1a
BI					15	2a	2a
BI					16	3a	3a
BI					17	4a	4a
BI					18	5a	5a
BI					19	6a	6a
BI					20	7a	7a
BI					21	8a	8a
BI					22	9a	9a
BI					23	Aa	Aa
BI					24	Ba	Ba
BI					25	Ca	Ca
BI					26	Da	Da
BI					27	Ea	Ea
BI					28	Fa	Fa
BI					29	0a	0a
BI					30	1b	1b
BI					31	2b	2b
BI					32	3b	3b
BI					33	4b	4b
BI					34	5b	5b
BI					35	6b	6b
BI					36	7b	7b
BI					37	8b	8b
BI					38	9b	9b
BI					39	Ab	Ab
BI					40	Bb	Bb
BI					41	Cb	Cb
BI					42	Db	Db
BI					43	Eb	Eb
BI					44	Fb	Fb
BI					45	0b	0b
BI					46	1c	1c



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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			
AI				01	T2	BC T2 x 0.1 [°C]	
AI				02	T5	BC T5 x 0.1 [°C]	
AI				03	T6	BC T6 x 0.1 [°C]	
AI				04	P3	BC P3 Intermediate pressure x 0.1 [kg/cm2]	
PIV				05	L3	BC L3 Liquid level control	
AI				06	SC6	BC SC6 x 0.1 [°C]	
AI				07	SH2	BC SH2 x 0.1 [°C]	
BI				08	1a	1a	
BI				09	2a	2a	
BI				10	3a	3a	
BI				11	4a	4a	
BI				12	5a	5a	
BI				13	6a	6a	
BI				14	7a	7a	
BI				15	8a	8a	
BI				16	1b	1b	
BI				17	2b	2b	
BI				18	3b	3b	
BI				19	4b	4b	
BI				20	5b	5b	
BI				21	6b	6b	
BI				22	7b	7b	
BI				23	8b	8b	



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

### 3.2.7 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]
BI					13	WindFr	Wind Free
BI					14	DisCtrl	Discharge control

#### 3.2.7.2 Samsung PRO Outdoor Units

##### • DVM-S

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 x 0.001 [kW]
PIV					06	TrgFreq1	Target Frequency1 [Hz]
PIV					07	OrdFreq1	Order Frequency1 [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				09	TrgFreq2	Target Frequency2 [Hz]	
PIV				10	OrdFreq2	Order Frequency2 [Hz]	
PIV				11	CurFreq2	Current Frequency2 [Hz]	
AI				12	HiPrs	High Pressure x 0.1 [kg/cm2]	
IV				13	SatTPd	Saturated T_Pd [°C]	
AI				14	LoPrs	Low Pressure x 0.1 [kg/cm2]	
IV				15	SatTPs	Saturated T_Ps [°C]	
AI				16	MidPrs	Mid Pressure x 0.1 [kg/cm2]	
AI				17	DisT1	Discharge1 x 0.1 [°C]	
AI				18	DisT2	Discharge2 x 0.1 [°C]	
PIV				19	TstOp	Test Operation(UP)	
AI				20	CompTop1	Comp Top1 x 0.1 [°C]	
AI				21	CompTop2	Comp Top2 x 0.1 [°C]	
AI				22	OutT	Outdoor temperature x 0.1 [°C]	
AI				23	CompCur1	Compressor current1 x 0.1 [A]	
AI				24	CompCur2	Compressor current2 x 0.1 [A]	
AI				25	IPM1T	IPM1 temperature x 0.1 [°C]	
AI				26	IPM2T	IPM2 temperature x 0.1 [°C]	
AI				27	CondOutT	CondOut temperature x 0.1 [°C]	
AI				28	LiqTubT	Liquid tube temperature x 0.1 [°C]	
AI				29	Suct1T	Suction1 temperature x 0.1 [°C]	
AI				30	Suct2T	Suction2 temperature x 0.1 [°C]	
PIV				31	MainEEV	Main EEV	
PIV				32	EviEEV	EVI EEV	
AI				33	EviIn	EVI IN x 0.1 [°C]	
AI				34	EviOut	EVI OUT x 0.1 [°C]	
PIV				35	OutFnSt	Outdoor Fan Step	
AI				36	PFCM	PFCM Temperature x 0.1 [°C]	
BI				37	Comp1	Comp1	
BI				38	Comp2	Comp2	
BI				39	4Way	4Way valve	
BI				40	HotGas1	Hot Gas Bypass1	
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	
BI				46	EviBps	EVI Bypass	
BI				47	CCH1	Comp Coil Heater1	
BI				48	CCH2	Comp Coil Heater2	
BI				49	BsHt	Base Heater	

- DVM-S HR



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	OpStat	Operation Status	
PIV				03	ErrCode	Error Code	
PIV				04	Cap	Capacity [hp]	
AI				05	CurPow	Control Watt-meter x 0.001 [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 x 0.1 [kg/cm2]	
IV				13	SatTPd	Saturated T_Pd [°C]	
AI				14	LoPrs	Low Pressure x 0.1 [kg/cm2]	
IV				15	SatTPs	Saturated T_Ps [°C]	
AI				16	MidPrs	Mid Pressure x 0.1 [kg/cm2]	
AI				17	DisT1	Discharge1 x 0.1 [°C]	
AI				18	DisT2	Discharge2 x 0.1 [°C]	
PIV				19	TstOp	Test Operation(UP)	
AI				20	CompTop1	Comp Top1 x 0.1 [°C]	
AI				21	CompTop2	Comp Top2 x 0.1 [°C]	
AI				22	OutT	Outdoor temperature x 0.1 [°C]	
AI				23	CompCur1	Compressor current1 x 0.1 [A]	
AI				24	CompCur2	Compressor current2 x 0.1 [A]	
AI				25	IPM1T	IPM1 temperature x 0.1 [°C]	
AI				26	IPM2T	IPM2 temperature x 0.1 [°C]	
AI				27	CondOutT	CondOut temperature x 0.1 [°C]	
AI				28	LiqTubT	Liquid tube temperature x 0.1 [°C]	
AI				29	Suct1T	Suction1 temperature x 0.1 [°C]	
AI				30	Suct2T	Suction2 temperature x 0.1 [°C]	
PIV				31	MainEEV	Main EEV	
PIV				32	EviEEV	EVI EEV	
AI				33	EviIn	EVI IN x 0.1 [°C]	
AI				34	EviOut	EVI OUT x 0.1 [°C]	
PIV				35	OutFnSt	Outdoor Fan Step	
AI				36	PFCM	PFCM Temperature x 0.1 [°C]	
BI				37	Comp1	Comp1	
BI				38	Comp2	Comp2	
BI				39	4Way	4Way valve	
BI				40	HotGas1	Hot Gas Bypass1	
BI				41	HotGas2	Hot Gas Bypass2	
BI				42	MainCool	Main Cooling	
BI				43	EEVValv	EEV Valve	
BI				44	EviSol1	EVI Solenoid Valve1	
BI				45	EviSol2	EVI Solenoid Valve2	
BI				46	EviBps	EVI Bypass	
BI				47	CCH1	Comp Coil Heater1	





Object Identifier bits					Short Name	Object Description
31	22	21	8	7 0		
Type	Instance					
	VA	Index				
BI				48	CCH2	Comp Coil Heater2
BI				49	BsHt	Base Heater

### • 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	TrgFreq1	Target Frequency1 [Hz]
PIV				06	OrdFreq1	Order Frequency1 [Hz]
PIV				07	CurFreq1	Current Frequency1 [Hz]
AI				08	HiPrs	High Pressure x 0.1 [kg/cm2]
IV				09	SatTPd	Saturated T_Pd [°C]
AI				10	LoPrs	Low Pressure x 0.1 [kg/cm2]
IV				11	SatTPs	Saturated T_Ps [°C]
AI				12	MidPrs	Mid Pressure x 0.1 [kg/cm2]
AI				13	DisT1	Discharge1 x 0.1 [°C]
PIV				14	TstOp	Test Operation(UP)
AI				15	CompTop1	Comp Top1 x 0.1 [°C]
AI				16	OutT	Outdoor temperature x 0.1 [°C]
AI				17	CompCur1	Compressor current1 x 0.1 [A]
AI				18	IPM1T	IPM1 temperature x 0.1 [°C]
AI				19	CondOutT	CondOut temperature x 0.1 [°C]
AI				20	LiqTubT	Liquid tube temperature x 0.1 [°C]
AI				21	Suct1T	Suction1 temperature x 0.1 [°C]
PIV				22	MainEEV	Main EEV
PIV				23	EviEEV	EVI EEV
PIV				24	FanRPM	Fan RPM [rpm]
BI				25	Comp1	Comp1
BI				26	4Way	4Way valve
BI				27	HotGas1	Hot Gas Bypass1

### • 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	TrgFreq1	Target Frequency1 [Hz]
PIV				06	OrdFreq1	Order Frequency1 [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				08	TrgFreq2	Target Frequency2 [Hz]	
PIV				09	OrdFreq2	Order Frequency2 [Hz]	
PIV				10	CurFreq2	Current Frequency2 [Hz]	
AI				11	HiPrs	High Pressure x 0.1 [kg/cm2]	
IV				12	SatTPd	Saturated T_Pd [°C]	
AI				13	LoPrs	Low Pressure x 0.1 [kg/cm2]	
IV				14	SatTPs	Saturated T_Ps [°C]	
AI				15	DisT1	Discharge1 x 0.1 [°C]	
AI				16	DisT2	Discharge2 x 0.1 [°C]	
PIV				17	TstOp	Test Operation(UP)	
AI				18	CompTop1	Comp Top1 x 0.1 [°C]	
AI				19	CompTop2	Comp Top2 x 0.1 [°C]	
AI				20	WtrT	Water temperature x 0.1 [°C]	
AI				21	CompCur1	Compressor current1 x 0.1 [A]	
AI				22	CompCur2	Compressor current2 x 0.1 [A]	
AI				23	IPM1T	IPM1 temperature x 0.1 [°C]	
AI				24	IPM2T	IPM2 temperature x 0.1 [°C]	
AI				25	CondOutT	CondOut temperature x 0.1 [°C]	
AI				26	LiqTubT	Liquid tube temperature x 0.1 [°C]	
AI				27	Suct1T	Suction1 temperature x 0.1 [°C]	
AI				28	Suct2T	Suction2 temperature x 0.1 [°C]	
PIV				29	MainEEV	Main EEV	
PIV				30	EviEEV	EVI EEV	
AI				31	EviIn	EVI IN x 0.1 [°C]	
AI				32	EviOut	EVI OUT x 0.1 [°C]	
AI				33	CtrlBxT	Control Box Temperature x 0.1 [°C]	
AI				34	FlwCtrl	Flow Control x 0.1	
BI				35	Comp1	Comp1	
BI				36	Comp2	Comp2	
BI				37	4Way	4Way valve	
BI				38	HotGas1	Hot Gas Bypass1	
BI				39	HotGas2	Hot Gas Bypass2	
BI				40	MainCool	Main Cooling	
BI				41	EEVValv	EEV Valve	
BI				42	EviSol1	EVI Solenoid Valve1	
BI				43	EviSol2	EVI Solenoid Valve2	
BI				44	EviBps	EVI Bypass	
BI				45	CCH1	Comp Coil Heater1	
BI				46	CCH2	Comp Coil Heater2	
BI				47	LiqTub	Liquid tube	
BI				48	HotGasChrg	Hot Gas Charging	
BI				49	FlwSw	Flow Switch	
BI				50	2Way	2Way	
BI				51	PumpOut	Pump Out	
BI				52	DcFan	DC Fan	



### • DVM-S Eco 7/8/9HP

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
PIV			01	OpMode	Operation Mode
PIV			02	OpStat	Operation Status
PIV			03	ErrCode	Error Code
PIV			04	Cap	Capacity [hp]
PIV			05	TrgFreq1	Target Frequency1 [Hz]
PIV			06	OrdFreq1	Order Frequency1 [Hz]
PIV			07	CurFreq1	Current Frequency1 [Hz]
AI			08	HiPrs	High Pressure x 0.1 [kg/cm2]
IV			09	SatTPd	Saturated T_Pd [°C]
AI			10	LoPrs	Low Pressure x 0.1 [kg/cm2]
IV			11	SatTPs	Saturated T_Ps [°C]
AI			12	DisT1	Discharge1 x 0.1 [°C]
PIV			13	TstOp	Test Operation(UP)
AI			14	CompTop1	Comp Top1 x 0.1 [°C]
AI			15	OutT	Outdoor temperature x 0.1 [°C]
AI			16	CompCur1	Compressor current1 x 0.1 [A]
AI			17	IPM1T	IPM1 temperature x 0.1 [°C]
AI			18	CondOutT	CondOut temperature x 0.1 [°C]
AI			19	LiqTubT	Liquid tube temperature x 0.1 [°C]
AI			20	Suct1T	Suction1 temperature x 0.1 [°C]
PIV			21	MainEEV	Main EEV
PIV			22	EviEEV	EVI EEV
AI			23	EviIn	EVI IN x 0.1 [°C]
AI			24	EviOut	EVI OUT x 0.1 [°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

### • FJM

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
PIV			01	OpMode	Operation Mode
PIV			02	OpStat	Operation Status
PIV			03	ErrCode	Error Code
PIV			04	Cap	Capacity [hp]
PIV			05	TrgFreq1	Target Frequency1 [Hz]
PIV			06	OrdFreq1	Order Frequency1 [Hz]
PIV			07	CurFreq1	Current Frequency1 [Hz]
AI			08	DisT1	Discharge1 x 0.1 [°C]
PIV			09	TstOp	Test Operation(UP)



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
AI				11	OutT	Outdoor temperature x 0.1 [°C]	
AI				12	CompCur1	Compressor current1 x 0.1 [A]	
AI				13	IPM1T	IPM1 temperature x 0.1 [°C]	
AI				14	CondOutT	CondOut temperature x 0.1 [°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 x 0.1 [°C]	
AI				20	PipIn2	Pipe In 2 temp x 0.1 [°C]	
AI				21	PipIn3	Pipe In 3 temp x 0.1 [°C]	
AI				22	PipIn4	Pipe In 4 temp x 0.1 [°C]	
AI				23	PipIn5	Pipe In 5 temp x 0.1 [°C]	
AI				24	PipOut1	Pipe Out 1 temp x 0.1 [°C]	
AI				25	PipOut2	Pipe Out 2 temp x 0.1 [°C]	
AI				26	PipOut3	Pipe Out 3 temp x 0.1 [°C]	
AI				27	PipOut4	Pipe Out 4 temp x 0.1 [°C]	
AI				28	PipOut5	Pipe Out 5 temp x 0.1 [°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	

### • CAC Inverter

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
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 x 0.1 [°C]	
AI				07	CompTop1	Comp Top1 x 0.1 [°C]	
AI				08	OutT	Outdoor temperature x 0.1 [°C]	
AI				09	CompCur1	Compressor current1 x 0.1 [A]	
AI				10	IPM1T	IPM1 temperature x 0.1 [°C]	
AI				11	CondOutT	CondOut temperature x 0.1 [°C]	
PIV				12	MainEEV	Main EEV	
BI				13	4Way	4Way valve	
PIV				14	DCLnk1	DC Link1 [V]	
AI				15	TrgDis	Target Discharge x 0.1 [°C]	
PIV				16	FanRPM	Fan RPM [rpm]	
PIV				17	PhsCur	Phase Current [A]	



### • MCU

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
PIV			01	BpsEEV	Bypass EEV
PIV			02	SubCoolEEV	SubCool EEV
AI			03	SubCoolInT	SubCooler In temp x 0.1 [°C]
AI			04	SubCoolOutT	SubCooler Out temp x 0.1 [°C]
BI			05	LBV	LBV
BI			06	A-Cool	A-Cool
BI			07	A-Heat	A-Heat
BI			08	B-Cool	B-Cool
BI			09	B-Heat	B-Heat
BI			10	C-Cool	C-Cool
BI			11	C-Heat	C-Heat
BI			12	D-Cool	D-Cool
BI			13	D-Heat	D-Heat
BI			14	E-Cool	E-Cool
BI			15	E-Heat	E-Heat
BI			16	F-Cool	F-Cool
BI			17	F-Heat	F-Heat
PIV			18	A-EEV	A-EEV
PIV			19	A-Addr	A-Address
PIV			20	B-EEV	B-EEV
PIV			21	B-Addr	B-Address
PIV			22	C-EEV	C-EEV
PIV			23	C-Addr	C-Address
PIV			24	D-EEV	D-EEV
PIV			25	D-Addr	D-Address
PIV			26	E-EEV	E-EEV
PIV			27	E-Addr	E-Address
PIV			28	F-EEV	F-EEV
PIV			29	F-Addr	F-Address

## 3.2.8 Fujitsu

### 3.2.8.1 Fujitsu PRO Outdoor Units

#### • AJT[40/45/54]LCLAH

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	CMP1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				08	4WV1	4WV1	
BI				09	SV2	SV2	
BI				10	CCH1	CCH1	
BI				11	FnSt1	Fan State 1	
IV				12	TH1	TH1 [°C]	
IV				13	TH3	TH3 [°C]	
IV				14	TH4	TH4 [°C]	
IV				15	TH5	TH5 [°C]	
IV				16	TH10	TH10 [°C]	
AI				17	HPS	HPS [MPa]	
AI				18	LPS	LPS [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 x 0.1 [A]	
PIV				23	FnFreq1	Fan Frequency 1 [RPM]	
PIV				24	EEV1	EEV1 [PIs]	

• **AJY[72/90/108/126/144/162]LALBH**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
BI				09	4WV1	4WV1	
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	
BI				12	SV1	SV1	
BI				13	SV2	SV2	
BI				14	SV3	SV3	
BI				15	CCH1	CCH1	
BI				16	CCH2	CCH2	
BI				17	FnSt1	Fan State 1	
IV				18	TH1	TH1 [°C]	
IV				19	TH2	TH2 [°C]	
IV				20	TH3	TH3 [°C]	
IV				21	TH4	TH4 [°C]	
IV				22	TH5	TH5 [°C]	
IV				23	TH6	TH6 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					24	TH7 [°C]	
IV					25	TH8 [°C]	
IV					26	TH9 [°C]	
IV					27	TH10 [°C]	
IV					28	TH11 [°C]	
AI					29	HPS [MPa]	
AI					30	LPS [MPa]	
PIV					31	Cmp1F [RPS]	
IV					32	Cmp1T [°C]	
PIV					33	Cmp1V [V]	
AI					34	Cmp1C [A]	
PIV					35	FnFreq1 [RPM]	
PIV					36	EEV1 [Pls]	
PIV					37	EEV2 [Pls]	
PIV					38	EEV3 [Pls]	

• **AJY[72/90/108]LELAH**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					01	Cap [HP]	
BI					02	Op	
PIV					03	Md	
BI					04	Dfrst	
BI					05	OiRcvr	
BI					06	Cmp1	
BI					07	BH	
BI					08	HPSW1	
PIV					09	LoNoise	
BI					10	FrcdOff	
BI					11	CapSv	
BI					12	4WV1	
BI					13	SV2	
BI					14	CCH1	
BI					15	FnSt1	
BI					16	FnSt2	
IV					17	TH1 [°C]	
IV					18	TH3 [°C]	
IV					19	TH4 [°C]	
IV					20	TH5 [°C]	
IV					21	TH7 [°C]	
IV					22	TH8 [°C]	
IV					23	TH9 [°C]	
IV					24	TH10 [°C]	
AI					25	HPS [MPa]	
AI					26	LPS [MPa]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
IV				28	Cmp1T	CMP1 Inverter Temperature [°C]	
PIV				29	Cmp1V	CMP1 DC Voltage [V]	
AI				30	Cmp1C	CMP1 CT Current x 0.1 [A]	
PIV				31	FnFreq1	Fan Frequency 1 [RPM]	
PIV				32	FnFreq2	Fan Frequency 2 [RPM]	
PIV				33	EEV1	EEV1 [Pls]	
PIV				34	EEV2	EEV2 [Pls]	

• **AJY[72/90/108]LELAH**

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
PIV				09	LoNoise	Low Noise	
BI				10	FrcdOff	Forced Off	
BI				11	CapSv	Capacity Save	
BI				12	4WV1	4WV1	
BI				13	CCH1	CCH1	
BI				14	FnSt1	Fan State 1	
BI				15	FnSt2	Fan State 2	
IV				16	TH1	TH1 [°C]	
IV				17	TH3	TH3 [°C]	
IV				18	TH4	TH4 [°C]	
IV				19	TH5	TH5 [°C]	
IV				20	TH7	TH7 [°C]	
IV				21	TH9	TH9 [°C]	
IV				22	TH10	TH10 [°C]	
AI				23	HPS	HPS [MPa]	
AI				24	LPS	LPS [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 x 0.1 [A]	
PIV				29	FnFreq1	Fan Frequency 1 [RPM]	
PIV				30	FnFreq2	Fan Frequency 2 [RPM]	
PIV				31	EEV1	EEV1 [Pls]	
PIV				32	EEV2	EEV2 [Pls]	





• **AJY[72/90/108]LELAH**

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	CMP1
BI			07	BH	BH
BI			08	HPSW1	HPSW1
PIV			09	LoNoise	Low Noise
BI			10	FrcdOff	Forced Off
BI			11	CapSv	Capacity Save
BI			12	4WV1	4WV1
BI			13	SV1	SV1
BI			14	CCH1	CCH1
BI			15	CCH2	CCH2
BI			16	FnSt1	Fan State 1
BI			17	FnSt2	Fan State 2
IV			18	TH1	TH1 [°C]
IV			19	TH3	TH3 [°C]
IV			20	TH4	TH4 [°C]
IV			21	TH5	TH5 [°C]
IV			22	TH7	TH7 [°C]
IV			23	TH9	TH9 [°C]
IV			24	TH10	TH10 [°C]
AI			25	HPS	HPS [MPa]
AI			26	LPS	LPS [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 x 0.1 [A]
PIV			31	FnFreq1	Fan Frequency 1 [RPM]
PIV			32	FnFreq2	Fan Frequency 2 [RPM]
PIV			33	EEV1	EEV1 [Pls]
PIV			34	EEV2	EEV2 [Pls]

• **AJY[40/45/54]LCLAH**

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	CMP1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					07	BH	BH
BI					08	4WV1	4WV1
BI					09	SV2	SV2
BI					10	CCH1	CCH1
BI					11	FnSt1	Fan State 1
IV					12	TH1	TH1 [°C]
IV					13	TH3	TH3 [°C]
IV					14	TH4	TH4 [°C]
IV					15	TH5	TH5 [°C]
IV					16	TH10	TH10 [°C]
AI					17	HPS	HPS [MPa]
AI					18	LPS	LPS [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 x 0.1 [A]
PIV					23	FnFreq1	Fan Frequency 1 [RPM]
PIV					24	EEV1	EEV1 [PIs]

- **AJYLALH**

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	CMP1
BI					07	Cmp2	CMP2
BI					08	BH	BH
BI					09	HPSW1	HPSW1
BI					10	HPSW2	HPSW2
PIV					11	LoNoise	Low Noise
BI					12	FrcdOff	Forced Off
BI					13	CapSv	Capacity Save
BI					14	4WV1	4WV1
BI					15	SV1	SV1
BI					16	SV2	SV2
BI					17	SV3	SV3
BI					18	SV4	SV4
BI					19	SV5	SV5
BI					20	SV6	SV6
BI					21	SV7	SV7
BI					22	CCH1	CCH1
BI					23	CCH2	CCH2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					24	FnSt1	Fan State 1
IV					25	TH1	TH1 [°C]
IV					26	TH2	TH2 [°C]
IV					27	TH3	TH3 [°C]
IV					28	TH4	TH4 [°C]
IV					29	TH5	TH5 [°C]
IV					30	TH6	TH6 [°C]
IV					31	TH7	TH7 [°C]
IV					32	TH8	TH8 [°C]
IV					33	TH9	TH9 [°C]
IV					34	TH10	TH10 [°C]
IV					35	TH11	TH11 [°C]
AI					36	HPS	HPS [MPa]
AI					37	LPS	LPS [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 x 0.1 [A]
PIV					42	FnFreq1	Fan Frequency 1 [RPM]
PIV					43	EEV1	EEV1 [PIs]
PIV					44	EEV2	EEV2 [PIs]

### • AJYLALH

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	CMP1
BI					07	Cmp2	CMP2
BI					08	BH	BH
BI					09	HPSW1	HPSW1
BI					10	HPSW2	HPSW2
PIV					11	LoNoise	Low Noise
BI					12	FrcdOff	Forced Off
BI					13	CapSv	Capacity Save
BI					14	4WV1	4WV1
BI					15	SV1	SV1
BI					16	SV2	SV2
BI					17	SV3	SV3
BI					18	SV4	SV4
BI					19	SV5	SV5
BI					20	SV6	SV6



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI				21	SV7	SV7	
BI				22	CCH1	CCH1	
BI				23	CCH2	CCH2	
BI				24	FnSt1	Fan State 1	
IV				25	TH1	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

#### • AOUuRLBV

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	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [PIs]	
PIV				45	EEV2	EEV2 [PIs]	

#### • AOULBV1

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
BI				09	4WV1	4WV1	
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	
BI				12	SV1	SV1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					13	SV2	SV2
BI					14	SV3	SV3
BI					15	CCH1	CCH1
BI					16	CCH2	CCH2
BI					17	FnSt1	Fan State 1
IV					18	TH1	TH1 [°C]
IV					19	TH2	TH2 [°C]
IV					20	TH3	TH3 [°C]
IV					21	TH4	TH4 [°C]
IV					22	TH5	TH5 [°C]
IV					23	TH6	TH6 [°C]
IV					24	TH7	TH7 [°C]
IV					25	TH8	TH8 [°C]
IV					26	TH9	TH9 [°C]
IV					27	TH10	TH10 [°C]
IV					28	TH11	TH11 [°C]
AI					29	HPS	HPS [MPa]
AI					30	LPS	LPS [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 x 0.1 [A]
PIV					35	FnFreq1	Fan Frequency 1 [RPM]
PIV					36	EEV1	EEV1 [Pls]
PIV					37	EEV2	EEV2 [Pls]
PIV					38	EEV3	EEV3 [Pls]

### • AJHuGALH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [Pls]
PIV					40	EEV2	EEV2 [Pls]
PIV					41	EEV3	EEV3 [Pls]

### • AJHGALH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [Pls]
PIV					40	EEV2	EEV2 [Pls]
PIV					41	EEV3	EEV3 [Pls]

### • AOULBV

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI				16	SV3	SV3	
BI				17	SV4	SV4	
BI				18	CCH1	CCH1	
BI				19	CCH2	CCH2	
BI				20	FnSt1	Fan State 1	
IV				21	TH1	TH1 [°C]	
IV				22	TH2	TH2 [°C]	
IV				23	TH3	TH3 [°C]	
IV				24	TH4	TH4 [°C]	
IV				25	TH5	TH5 [°C]	
IV				26	TH6	TH6 [°C]	
IV				27	TH7	TH7 [°C]	
IV				28	TH8	TH8 [°C]	
IV				29	TH9	TH9 [°C]	
IV				30	TH10	TH10 [°C]	
IV				31	TH11	TH11 [°C]	
AI				32	HPS	HPS [MPa]	
AI				33	LPS	LPS [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 x 0.1 [A]	
PIV				38	FnFreq1	Fan Frequency 1 [RPM]	
PIV				39	EEV1	EEV1 [Pls]	
PIV				40	EEV2	EEV2 [Pls]	
PIV				41	EEV3	EEV3 [Pls]	

### • AJHGALBH

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	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
PIV				09	LoNoise	Low Noise	
BI				10	FrcdOff	Forced Off	
BI				11	CapSv	Capacity Save	
BI				12	4WV1	4WV1	
BI				13	4WV2	4WV2	
BI				14	SV1	SV1	
BI				15	SV2	SV2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [Pls]
PIV					40	EEV2	EEV2 [Pls]
PIV					41	EEV3	EEV3 [Pls]

### • AJYLELBH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	CCH1	CCH1
BI					14	FnSt1	Fan State 1
BI					15	FnSt2	Fan State 2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					16	TH1	TH1 [°C]
IV					17	TH3	TH3 [°C]
IV					18	TH4	TH4 [°C]
IV					19	TH5	TH5 [°C]
IV					20	TH7	TH7 [°C]
IV					21	TH9	TH9 [°C]
IV					22	TH10	TH10 [°C]
AI					23	HPS	HPS [MPa]
AI					24	LPS	LPS [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 x 0.1 [A]
PIV					29	FnFreq1	Fan Frequency 1 [RPM]
PIV					30	FnFreq2	Fan Frequency 2 [RPM]
PIV					31	EEV1	EEV1 [Pls]
PIV					32	EEV2	EEV2 [Pls]

- **AJHLALH**

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	CMP1
BI					07	Cmp2	CMP2
BI					08	BH	BH
BI					09	HPSW1	HPSW1
BI					10	HPSW2	HPSW2
PIV					11	LoNoise	Low Noise
BI					12	FrcdOff	Forced Off
BI					13	CapSv	Capacity Save
BI					14	4WV1	4WV1
BI					15	SV1	SV1
BI					16	SV2	SV2
BI					17	SV3	SV3
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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					25	TH1	TH1 [°C]
IV					26	TH2	TH2 [°C]
IV					27	TH3	TH3 [°C]
IV					28	TH4	TH4 [°C]
IV					29	TH5	TH5 [°C]
IV					30	TH6	TH6 [°C]
IV					31	TH7	TH7 [°C]
IV					32	TH8	TH8 [°C]
IV					33	TH9	TH9 [°C]
IV					34	TH10	TH10 [°C]
IV					35	TH11	TH11 [°C]
AI					36	HPS	HPS [MPa]
AI					37	LPS	LPS [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 x 0.1 [A]
PIV					42	FnFreq1	Fan Frequency 1 [RPM]
PIV					43	EEV1	EEV1 [PIs]
PIV					44	EEV2	EEV2 [PIs]

#### • AJHLALH

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	CMP1
BI					07	Cmp2	CMP2
BI					08	BH	BH
BI					09	HPSW1	HPSW1
BI					10	HPSW2	HPSW2
PIV					11	LoNoise	Low Noise
BI					12	FrcdOff	Forced Off
BI					13	CapSv	Capacity Save
BI					14	4WV1	4WV1
BI					15	SV1	SV1
BI					16	SV2	SV2
BI					17	SV3	SV3
BI					18	SV4	SV4
BI					19	SV5	SV5
BI					20	SV6	SV6
BI					21	SV7	SV7



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				23	CCH2	CCH2	
BI				24	FnSt1	Fan State 1	
IV				25	TH1	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

#### • AJHLATH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
PIV				42	FnFreq1	Fan Frequency 1 [RPM]	
PIV				43	EEV1	EEV1 [PIs]	
PIV				44	EEV2	EEV2 [PIs]	

### • AJHLATH

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	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					15	SV1	SV1
BI					16	SV2	SV2
BI					17	SV3	SV3
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	TH1 [°C]
IV					26	TH2	TH2 [°C]
IV					27	TH3	TH3 [°C]
IV					28	TH4	TH4 [°C]
IV					29	TH5	TH5 [°C]
IV					30	TH6	TH6 [°C]
IV					31	TH7	TH7 [°C]
IV					32	TH8	TH8 [°C]
IV					33	TH9	TH9 [°C]
IV					34	TH10	TH10 [°C]
IV					35	TH11	TH11 [°C]
AI					36	HPS	HPS [MPa]
AI					37	LPS	LPS [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 x 0.1 [A]
AI					42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]
PIV					43	FnFreq1	Fan Frequency 1 [RPM]
PIV					44	EEV1	EEV1 [PIs]
PIV					45	EEV2	EEV2 [PIs]

### • AJQLALH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	SV2	SV2
BI					14	CCH1	CCH1
BI					15	FnSt1	Fan State 1
BI					16	FnSt2	Fan State 2
IV					17	TH1	TH1 [°C]
IV					18	TH3	TH3 [°C]
IV					19	TH4	TH4 [°C]
IV					20	TH5	TH5 [°C]
IV					21	TH7	TH7 [°C]
IV					22	TH8	TH8 [°C]
IV					23	TH9	TH9 [°C]
IV					24	TH10	TH10 [°C]
AI					25	HPS	HPS [MPa]
AI					26	LPS	LPS [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 x 0.1 [A]
PIV					31	FnFreq1	Fan Frequency 1 [RPM]
PIV					32	FnFreq2	Fan Frequency 2 [RPM]
PIV					33	EEV1	EEV1 [Pls]
PIV					34	EEV2	EEV2 [Pls]

- AJQLALH

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	CMP1
BI					07	Cmp2	CMP2
BI					08	BH	BH
BI					09	HPSW1	HPSW1
BI					10	HPSW2	HPSW2
PIV					11	LoNoise	Low Noise
BI					12	FrcdOff	Forced Off
BI					13	CapSv	Capacity Save
BI					14	4WV1	4WV1
BI					15	SV1	SV1
BI					16	SV2	SV2
BI					17	SV3	SV3





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [PIs]	
PIV				45	EEV2	EEV2 [PIs]	

• **AJQLALH**

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	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
PIV				42	FnFreq1	Fan Frequency 1 [RPM]	
PIV				43	EEV1	EEV1 [PIs]	
PIV				44	EEV2	EEV2 [PIs]	

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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	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					11	LoNoise	Low Noise
BI					12	FrcdOff	Forced Off
BI					13	CapSv	Capacity Save
BI					14	4WV1	4WV1
BI					15	SV1	SV1
BI					16	SV2	SV2
BI					17	SV3	SV3
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	TH1 [°C]
IV					26	TH2	TH2 [°C]
IV					27	TH3	TH3 [°C]
IV					28	TH4	TH4 [°C]
IV					29	TH5	TH5 [°C]
IV					30	TH6	TH6 [°C]
IV					31	TH7	TH7 [°C]
IV					32	TH8	TH8 [°C]
IV					33	TH9	TH9 [°C]
IV					34	TH10	TH10 [°C]
IV					35	TH11	TH11 [°C]
AI					36	HPS	HPS [MPa]
AI					37	LPS	LPS [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 x 0.1 [A]
AI					42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]
PIV					43	FnFreq1	Fan Frequency 1 [RPM]
PIV					44	EEV1	EEV1 [PIs]
PIV					45	EEV2	EEV2 [PIs]

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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	CMP1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
PIV				42	FnFreq1	Fan Frequency 1 [RPM]	
PIV				43	EEV1	EEV1 [Pls]	
PIV				44	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [PIs]	
PIV				45	EEV2	EEV2 [PIs]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	SV2	SV2
BI					14	CCH1	CCH1
BI					15	FnSt1	Fan State 1
BI					16	FnSt2	Fan State 2
IV					17	TH1	TH1 [°C]
IV					18	TH3	TH3 [°C]
IV					19	TH4	TH4 [°C]
IV					20	TH5	TH5 [°C]
IV					21	TH7	TH7 [°C]
IV					22	TH8	TH8 [°C]
IV					23	TH9	TH9 [°C]
IV					24	TH10	TH10 [°C]
AI					25	HPS	HPS [MPa]
AI					26	LPS	LPS [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 x 0.1 [A]
PIV					31	FnFreq1	Fan Frequency 1 [RPM]
PIV					32	FnFreq2	Fan Frequency 2 [RPM]
PIV					33	EEV1	EEV1 [Pls]
PIV					34	EEV2	EEV2 [Pls]

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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	CMP1
BI					07	Cmp2	CMP2



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [PIs]	
PIV				45	EEV2	EEV2 [PIs]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

- AJYLNLAH





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

- AJYLNLAH



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

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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	CMP1
BI			07	Cmp2	CMP2
BI			08	BH	BH
BI			09	HPSW1	HPSW1
BI			10	HPSW2	HPSW2
PIV			11	LoNoise	Low Noise
BI			12	FrcdOff	Forced Off
BI			13	CapSv	Capacity Save
BI			14	4WV1	4WV1
BI			15	SV1	SV1
BI			16	SV2	SV2
BI			17	SV3	SV3
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	TH1 [°C]
IV			26	TH2	TH2 [°C]
IV			27	TH3	TH3 [°C]
IV			28	TH4	TH4 [°C]
IV			29	TH5	TH5 [°C]
IV			30	TH6	TH6 [°C]
IV			31	TH7	TH7 [°C]
IV			32	TH8	TH8 [°C]
IV			33	TH9	TH9 [°C]
IV			34	TH10	TH10 [°C]
IV			35	TH11	TH11 [°C]
AI			36	HPS	HPS [MPa]
AI			37	LPS	LPS [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 x 0.1 [A]
AI			42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]
PIV			43	FnFreq1	Fan Frequency 1 [RPM]
PIV			44	EEV1	EEV1 [Pls]
PIV			45	EEV2	EEV2 [Pls]

- AJYuLALH



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
PIV				09	LoNoise	Low Noise	
BI				10	FrcdOff	Forced Off	
BI				11	CapSv	Capacity Save	
BI				12	4WV1	4WV1	
BI				13	SV2	SV2	
BI				14	CCH1	CCH1	
BI				15	FnSt1	Fan State 1	
BI				16	FnSt2	Fan State 2	
IV				17	TH1	TH1 [°C]	
IV				18	TH3	TH3 [°C]	
IV				19	TH4	TH4 [°C]	
IV				20	TH5	TH5 [°C]	
IV				21	TH7	TH7 [°C]	
IV				22	TH8	TH8 [°C]	
IV				23	TH9	TH9 [°C]	
IV				24	TH10	TH10 [°C]	
AI				25	HPS	HPS [MPa]	
AI				26	LPS	LPS [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 x 0.1 [A]	
PIV				31	FnFreq1	Fan Frequency 1 [RPM]	
PIV				32	FnFreq2	Fan Frequency 2 [RPM]	
PIV				33	EEV1	EEV1 [Pls]	
PIV				34	EEV2	EEV2 [Pls]	

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Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

### • AJYuLATH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	Cmp2	CMP2	
BI				08	BH	BH	
BI				09	HPSW1	HPSW1	
BI				10	HPSW2	HPSW2	
PIV				11	LoNoise	Low Noise	
BI				12	FrcdOff	Forced Off	
BI				13	CapSv	Capacity Save	
BI				14	4WV1	4WV1	
BI				15	SV1	SV1	
BI				16	SV2	SV2	
BI				17	SV3	SV3	
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	TH1 [°C]	
IV				26	TH2	TH2 [°C]	
IV				27	TH3	TH3 [°C]	
IV				28	TH4	TH4 [°C]	
IV				29	TH5	TH5 [°C]	
IV				30	TH6	TH6 [°C]	
IV				31	TH7	TH7 [°C]	
IV				32	TH8	TH8 [°C]	
IV				33	TH9	TH9 [°C]	
IV				34	TH10	TH10 [°C]	
IV				35	TH11	TH11 [°C]	
AI				36	HPS	HPS [MPa]	
AI				37	LPS	LPS [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 x 0.1 [A]	
AI				42	Cmp2C	CMP2 (Constant speed) Current x 0.1 [A]	
PIV				43	FnFreq1	Fan Frequency 1 [RPM]	
PIV				44	EEV1	EEV1 [Pls]	
PIV				45	EEV2	EEV2 [Pls]	

- AJALBLAH



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
PIV				09	LoNoise	Low Noise	
BI				10	FrcdOff	Forced Off	
BI				11	CapSv	Capacity Save	
BI				12	4WV1	4WV1	
BI				13	SV2	SV2	
BI				14	CCH1	CCH1	
BI				15	FnSt1	Fan State 1	
BI				16	FnSt2	Fan State 2	
IV				17	TH1	TH1 [°C]	
IV				18	TH3	TH3 [°C]	
IV				19	TH4	TH4 [°C]	
IV				20	TH5	TH5 [°C]	
IV				21	TH7	TH7 [°C]	
IV				22	TH8	TH8 [°C]	
IV				23	TH9	TH9 [°C]	
IV				24	TH10	TH10 [°C]	
AI				25	HPS	HPS [MPa]	
AI				26	LPS	LPS [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 x 0.1 [A]	
PIV				31	FnFreq1	Fan Frequency 1 [RPM]	
PIV				32	FnFreq2	Fan Frequency 2 [RPM]	
PIV				33	EEV1	EEV1 [Pls]	
PIV				34	EEV2	EEV2 [Pls]	

#### • AJHLBLAH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	SV2	SV2
BI					14	CCH1	CCH1
BI					15	FnSt1	Fan State 1
BI					16	FnSt2	Fan State 2
IV					17	TH1	TH1 [°C]
IV					18	TH3	TH3 [°C]
IV					19	TH4	TH4 [°C]
IV					20	TH5	TH5 [°C]
IV					21	TH7	TH7 [°C]
IV					22	TH8	TH8 [°C]
IV					23	TH9	TH9 [°C]
IV					24	TH10	TH10 [°C]
AI					25	HPS	HPS [MPa]
AI					26	LPS	LPS [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 x 0.1 [A]
PIV					31	FnFreq1	Fan Frequency 1 [RPM]
PIV					32	FnFreq2	Fan Frequency 2 [RPM]
PIV					33	EEV1	EEV1 [PIs]
PIV					34	EEV2	EEV2 [PIs]

### • AJHLBTAHN

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	SV2	SV2
BI					14	CCH1	CCH1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			15		FnSt1	Fan State 1	
BI			16		FnSt2	Fan State 2	
IV			17		TH1	TH1 [°C]	
IV			18		TH3	TH3 [°C]	
IV			19		TH4	TH4 [°C]	
IV			20		TH5	TH5 [°C]	
IV			21		TH7	TH7 [°C]	
IV			22		TH8	TH8 [°C]	
IV			23		TH9	TH9 [°C]	
IV			24		TH10	TH10 [°C]	
AI			25		HPS	HPS [MPa]	
AI			26		LPS	LPS [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 x 0.1 [A]	
PIV			31		FnFreq1	Fan Frequency 1 [RPM]	
PIV			32		FnFreq2	Fan Frequency 2 [RPM]	
PIV			33		EEV1	EEV1 [PIs]	
PIV			34		EEV2	EEV2 [PIs]	

### • AJHLELAH

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	CMP1	
BI			07		BH	BH	
BI			08		HPSW1	HPSW1	
PIV			09		LoNoise	Low Noise	
BI			10		FrcdOff	Forced Off	
BI			11		CapSv	Capacity Save	
BI			12		4WV1	4WV1	
BI			13		SV2	SV2	
BI			14		CCH1	CCH1	
BI			15		FnSt1	Fan State 1	
BI			16		FnSt2	Fan State 2	
IV			17		TH1	TH1 [°C]	
IV			18		TH3	TH3 [°C]	
IV			19		TH4	TH4 [°C]	
IV			20		TH5	TH5 [°C]	
IV			21		TH7	TH7 [°C]	



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
IV			22	TH8	TH8 [°C]
IV			23	TH9	TH9 [°C]
IV			24	TH10	TH10 [°C]
AI			25	HPS	HPS [MPa]
AI			26	LPS	LPS [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 x 0.1 [A]
PIV			31	FnFreq1	Fan Frequency 1 [RPM]
PIV			32	FnFreq2	Fan Frequency 2 [RPM]
PIV			33	EEV1	EEV1 [Pls]
PIV			34	EEV2	EEV2 [Pls]

• AJHLELAH

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	CMP1
BI			07	BH	BH
BI			08	HPSW1	HPSW1
PIV			09	LoNoise	Low Noise
BI			10	FrcdOff	Forced Off
BI			11	CapSv	Capacity Save
BI			12	4WV1	4WV1
BI			13	SV1	SV1
BI			14	CCH1	CCH1
BI			15	CCH2	CCH2
BI			16	FnSt1	Fan State 1
BI			17	FnSt2	Fan State 2
IV			18	TH1	TH1 [°C]
IV			19	TH3	TH3 [°C]
IV			20	TH4	TH4 [°C]
IV			21	TH5	TH5 [°C]
IV			22	TH7	TH7 [°C]
IV			23	TH9	TH9 [°C]
IV			24	TH10	TH10 [°C]
AI			25	HPS	HPS [MPa]
AI			26	LPS	LPS [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						
AI					30	Cmp1C	CMP1 CT Current x 0.1 [A]
PIV					31	FnFreq1	Fan Frequency 1 [RPM]
PIV					32	FnFreq2	Fan Frequency 2 [RPM]
PIV					33	EEV1	EEV1 [Pls]
PIV					34	EEV2	EEV2 [Pls]

### • AJHLELAH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI					02	Op	Operation
PIV					03	Md	Mode
BI					04	Dfrst	Defrost
BI					05	OiRcvr	Oil Recovery
BI					06	Cmp1	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	CCH1	CCH1
BI					14	FnSt1	Fan State 1
BI					15	FnSt2	Fan State 2
IV					16	TH1	TH1 [°C]
IV					17	TH3	TH3 [°C]
IV					18	TH4	TH4 [°C]
IV					19	TH5	TH5 [°C]
IV					20	TH7	TH7 [°C]
IV					21	TH9	TH9 [°C]
IV					22	TH10	TH10 [°C]
AI					23	HPS	HPS [MPa]
AI					24	LPS	LPS [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 x 0.1 [A]
PIV					29	FnFreq1	Fan Frequency 1 [RPM]
PIV					30	FnFreq2	Fan Frequency 2 [RPM]
PIV					31	EEV1	EEV1 [Pls]
PIV					32	EEV2	EEV2 [Pls]

### • AJHLETAHN



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
PIV				09	LoNoise	Low Noise	
BI				10	FrcdOff	Forced Off	
BI				11	CapSv	Capacity Save	
BI				12	4WV1	4WV1	
BI				13	SV2	SV2	
BI				14	CCH1	CCH1	
BI				15	FnSt1	Fan State 1	
BI				16	FnSt2	Fan State 2	
IV				17	TH1	TH1 [°C]	
IV				18	TH3	TH3 [°C]	
IV				19	TH4	TH4 [°C]	
IV				20	TH5	TH5 [°C]	
IV				21	TH7	TH7 [°C]	
IV				22	TH8	TH8 [°C]	
IV				23	TH9	TH9 [°C]	
IV				24	TH10	TH10 [°C]	
AI				25	HPS	HPS [MPa]	
AI				26	LPS	LPS [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 x 0.1 [A]	
PIV				31	FnFreq1	Fan Frequency 1 [RPM]	
PIV				32	FnFreq2	Fan Frequency 2 [RPM]	
PIV				33	EEV1	EEV1 [Pls]	
PIV				34	EEV2	EEV2 [Pls]	

#### • AJYLBLAH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	SV2	SV2
BI					14	CCH1	CCH1
BI					15	FnSt1	Fan State 1
BI					16	FnSt2	Fan State 2
IV					17	TH1	TH1 [°C]
IV					18	TH3	TH3 [°C]
IV					19	TH4	TH4 [°C]
IV					20	TH5	TH5 [°C]
IV					21	TH7	TH7 [°C]
IV					22	TH8	TH8 [°C]
IV					23	TH9	TH9 [°C]
IV					24	TH10	TH10 [°C]
AI					25	HPS	HPS [MPa]
AI					26	LPS	LPS [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 x 0.1 [A]
PIV					31	FnFreq1	Fan Frequency 1 [RPM]
PIV					32	FnFreq2	Fan Frequency 2 [RPM]
PIV					33	EEV1	EEV1 [PIs]
PIV					34	EEV2	EEV2 [PIs]

### • AOUAVM

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	SV2	SV2
BI					14	CCH1	CCH1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					15	FnSt1	Fan State 1
BI					16	FnSt2	Fan State 2
IV					17	TH1	TH1 [°C]
IV					18	TH3	TH3 [°C]
IV					19	TH4	TH4 [°C]
IV					20	TH5	TH5 [°C]
IV					21	TH7	TH7 [°C]
IV					22	TH8	TH8 [°C]
IV					23	TH9	TH9 [°C]
IV					24	TH10	TH10 [°C]
AI					25	HPS	HPS [MPa]
AI					26	LPS	LPS [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 x 0.1 [A]
PIV					31	FnFreq1	Fan Frequency 1 [RPM]
PIV					32	FnFreq2	Fan Frequency 2 [RPM]
PIV					33	EEV1	EEV1 [PIs]
PIV					34	EEV2	EEV2 [PIs]

### • AJQGALAH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [PIs]
PIV					40	EEV2	EEV2 [PIs]
PIV					41	EEV3	EEV3 [PIs]

### • AJTGALH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [PIs]
PIV					40	EEV2	EEV2 [PIs]
PIV					41	EEV3	EEV3 [PIs]

• AJTGBLH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [PIs]
PIV					40	EEV2	EEV2 [PIs]
PIV					41	EEV3	EEV3 [PIs]

### • AJTuGALH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [PIs]
PIV					40	EEV2	EEV2 [PIs]
PIV					41	EEV3	EEV3 [PIs]

### • AJYGALH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [PIs]
PIV					40	EEV2	EEV2 [PIs]
PIV					41	EEV3	EEV3 [PIs]

### • AJYuGALH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [PIs]
PIV					40	EEV2	EEV2 [PIs]
PIV					41	EEV3	EEV3 [PIs]

### • AOULCV

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	4WV2	4WV2
BI					14	SV1	SV1
BI					15	SV2	SV2
BI					16	SV3	SV3
BI					17	SV4	SV4
BI					18	CCH1	CCH1
BI					19	CCH2	CCH2
BI					20	FnSt1	Fan State 1
IV					21	TH1	TH1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					22	TH2	TH2 [°C]
IV					23	TH3	TH3 [°C]
IV					24	TH4	TH4 [°C]
IV					25	TH5	TH5 [°C]
IV					26	TH6	TH6 [°C]
IV					27	TH7	TH7 [°C]
IV					28	TH8	TH8 [°C]
IV					29	TH9	TH9 [°C]
IV					30	TH10	TH10 [°C]
IV					31	TH11	TH11 [°C]
AI					32	HPS	HPS [MPa]
AI					33	LPS	LPS [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 x 0.1 [A]
PIV					38	FnFreq1	Fan Frequency 1 [RPM]
PIV					39	EEV1	EEV1 [PIs]
PIV					40	EEV2	EEV2 [PIs]
PIV					41	EEV3	EEV3 [PIs]

### • AJCLCTAH

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	CMP1
BI					07	BH	BH
BI					08	4WV1	4WV1
BI					09	SV2	SV2
BI					10	CCH1	CCH1
BI					11	FnSt1	Fan State 1
IV					12	TH1	TH1 [°C]
IV					13	TH3	TH3 [°C]
IV					14	TH4	TH4 [°C]
IV					15	TH5	TH5 [°C]
IV					16	TH10	TH10 [°C]
AI					17	HPS	HPS [MPa]
AI					18	LPS	LPS [MPa]
PIV					19	Cmp1F	CMP1 Drive Frequency [RPS]
IV					20	Cmp1T	CMP1 Inverter Temperature [°C]
PIV					21	Cmp1V	CMP1 DC Voltage [V]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
AI				22	Cmp1C	CMP1 CT Current x 0.1 [A]	
PIV				23	FnFreq1	Fan Frequency 1 [RPM]	
PIV				24	EEV1	EEV1 [PIs]	

### • AJHLCLAH

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	CMP1	
BI				07	BH	BH	
BI				08	4WV1	4WV1	
BI				09	SV2	SV2	
BI				10	CCH1	CCH1	
BI				11	FnSt1	Fan State 1	
IV				12	TH1	TH1 [°C]	
IV				13	TH3	TH3 [°C]	
IV				14	TH4	TH4 [°C]	
IV				15	TH5	TH5 [°C]	
IV				16	TH10	TH10 [°C]	
AI				17	HPS	HPS [MPa]	
AI				18	LPS	LPS [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 x 0.1 [A]	
PIV				23	FnFreq1	Fan Frequency 1 [RPM]	
PIV				24	EEV1	EEV1 [PIs]	

### • AJQLCLAH

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	CMP1	
BI				07	BH	BH	
BI				08	4WV1	4WV1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				10	CCH1	CCH1	
BI				11	FnSt1	Fan State 1	
IV				12	TH1	TH1 [°C]	
IV				13	TH3	TH3 [°C]	
IV				14	TH4	TH4 [°C]	
IV				15	TH5	TH5 [°C]	
IV				16	TH10	TH10 [°C]	
AI				17	HPS	HPS [MPa]	
AI				18	LPS	LPS [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 x 0.1 [A]	
PIV				23	FnFreq1	Fan Frequency 1 [RPM]	
PIV				24	EEV1	EEV1 [PIs]	

#### • AOURLAVS

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	4WV1	4WV1	
BI				09	SV2	SV2	
BI				10	CCH1	CCH1	
BI				11	FnSt1	Fan State 1	
IV				12	TH1	TH1 [°C]	
IV				13	TH3	TH3 [°C]	
IV				14	TH4	TH4 [°C]	
IV				15	TH5	TH5 [°C]	
IV				16	TH10	TH10 [°C]	
AI				17	HPS	HPS [MPa]	
AI				18	LPS	LPS [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 x 0.1 [A]	
PIV				23	FnFreq1	Fan Frequency 1 [RPM]	
PIV				24	EEV1	EEV1 [PIs]	





### • AJGLNLBH

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	CMP1
BI			07	BH	BH
BI			08	HPSW1	HPSW1
BI			09	4WV1	4WV1
BI			10	4WV2	4WV2
BI			11	4WV3	4WV3
BI			12	SV1	SV1
BI			13	SV2	SV2
BI			14	SV3	SV3
BI			15	CCH1	CCH1
BI			16	CCH2	CCH2
BI			17	FnSt1	Fan State 1
IV			18	TH1	TH1 [°C]
IV			19	TH2	TH2 [°C]
IV			20	TH3	TH3 [°C]
IV			21	TH4	TH4 [°C]
IV			22	TH5	TH5 [°C]
IV			23	TH6	TH6 [°C]
IV			24	TH7	TH7 [°C]
IV			25	TH8	TH8 [°C]
IV			26	TH9	TH9 [°C]
IV			27	TH10	TH10 [°C]
IV			28	TH11	TH11 [°C]
AI			29	HPS	HPS [MPa]
AI			30	LPS	LPS [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 x 0.1 [A]
PIV			35	FnFreq1	Fan Frequency 1 [RPM]
PIV			36	EEV1	EEV1 [Pls]
PIV			37	EEV2	EEV2 [Pls]
PIV			38	EEV3	EEV3 [Pls]

### • AJHLALBH

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



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
BI				09	4WV1	4WV1	
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	
BI				12	SV1	SV1	
BI				13	SV2	SV2	
BI				14	SV3	SV3	
BI				15	CCH1	CCH1	
BI				16	CCH2	CCH2	
BI				17	FnSt1	Fan State 1	
IV				18	TH1	TH1 [°C]	
IV				19	TH2	TH2 [°C]	
IV				20	TH3	TH3 [°C]	
IV				21	TH4	TH4 [°C]	
IV				22	TH5	TH5 [°C]	
IV				23	TH6	TH6 [°C]	
IV				24	TH7	TH7 [°C]	
IV				25	TH8	TH8 [°C]	
IV				26	TH9	TH9 [°C]	
IV				27	TH10	TH10 [°C]	
IV				28	TH11	TH11 [°C]	
AI				29	HPS	HPS [MPa]	
AI				30	LPS	LPS [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 x 0.1 [A]	
PIV				35	FnFreq1	Fan Frequency 1 [RPM]	
PIV				36	EEV1	EEV1 [Pls]	
PIV				37	EEV2	EEV2 [Pls]	
PIV				38	EEV3	EEV3 [Pls]	

#### • AJHLATBH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
BI				09	4WV1	4WV1	
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	
BI				12	SV1	SV1	
BI				13	SV2	SV2	
BI				14	SV3	SV3	
BI				15	CCH1	CCH1	
BI				16	CCH2	CCH2	
BI				17	FnSt1	Fan State 1	
IV				18	TH1	TH1 [°C]	
IV				19	TH2	TH2 [°C]	
IV				20	TH3	TH3 [°C]	
IV				21	TH4	TH4 [°C]	
IV				22	TH5	TH5 [°C]	
IV				23	TH6	TH6 [°C]	
IV				24	TH7	TH7 [°C]	
IV				25	TH8	TH8 [°C]	
IV				26	TH9	TH9 [°C]	
IV				27	TH10	TH10 [°C]	
IV				28	TH11	TH11 [°C]	
AI				29	HPS	HPS [MPa]	
AI				30	LPS	LPS [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 x 0.1 [A]	
PIV				35	FnFreq1	Fan Frequency 1 [RPM]	
PIV				36	EEV1	EEV1 [Pls]	
PIV				37	EEV2	EEV2 [Pls]	
PIV				38	EEV3	EEV3 [Pls]	

#### • AJHLNLBH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	
BI				12	SV1	SV1	
BI				13	SV2	SV2	
BI				14	SV3	SV3	
BI				15	CCH1	CCH1	
BI				16	CCH2	CCH2	
BI				17	FnSt1	Fan State 1	
IV				18	TH1	TH1 [°C]	
IV				19	TH2	TH2 [°C]	
IV				20	TH3	TH3 [°C]	
IV				21	TH4	TH4 [°C]	
IV				22	TH5	TH5 [°C]	
IV				23	TH6	TH6 [°C]	
IV				24	TH7	TH7 [°C]	
IV				25	TH8	TH8 [°C]	
IV				26	TH9	TH9 [°C]	
IV				27	TH10	TH10 [°C]	
IV				28	TH11	TH11 [°C]	
AI				29	HPS	HPS [MPa]	
AI				30	LPS	LPS [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 x 0.1 [A]	
PIV				35	FnFreq1	Fan Frequency 1 [RPM]	
PIV				36	EEV1	EEV1 [PIs]	
PIV				37	EEV2	EEV2 [PIs]	
PIV				38	EEV3	EEV3 [PIs]	

### • AJHLNTBH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
BI				09	4WV1	4WV1	
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI			12		SV1	SV1	
BI			13		SV2	SV2	
BI			14		SV3	SV3	
BI			15		CCH1	CCH1	
BI			16		CCH2	CCH2	
BI			17		FnSt1	Fan State 1	
IV			18		TH1	TH1 [°C]	
IV			19		TH2	TH2 [°C]	
IV			20		TH3	TH3 [°C]	
IV			21		TH4	TH4 [°C]	
IV			22		TH5	TH5 [°C]	
IV			23		TH6	TH6 [°C]	
IV			24		TH7	TH7 [°C]	
IV			25		TH8	TH8 [°C]	
IV			26		TH9	TH9 [°C]	
IV			27		TH10	TH10 [°C]	
IV			28		TH11	TH11 [°C]	
AI			29		HPS	HPS [MPa]	
AI			30		LPS	LPS [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 x 0.1 [A]	
PIV			35		FnFreq1	Fan Frequency 1 [RPM]	
PIV			36		EEV1	EEV1 [Pls]	
PIV			37		EEV2	EEV2 [Pls]	
PIV			38		EEV3	EEV3 [Pls]	

### • AJHLNTCH

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	CMP1	
BI			07		BH	BH	
BI			08		HPSW1	HPSW1	
BI			09		4WV1	4WV1	
BI			10		4WV2	4WV2	
BI			11		4WV3	4WV3	
BI			12		SV1	SV1	
BI			13		SV2	SV2	
BI			14		SV3	SV3	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					15	CCH1	
BI					16	CCH2	
BI					17	FnSt1	
IV					18	TH1	
IV					19	TH2	
IV					20	TH3	
IV					21	TH4	
IV					22	TH5	
IV					23	TH6	
IV					24	TH7	
IV					25	TH8	
IV					26	TH9	
IV					27	TH10	
IV					28	TH11	
AI					29	HPS	
AI					30	LPS	
PIV					31	Cmp1F	
IV					32	Cmp1T	
PIV					33	Cmp1V	
AI					34	Cmp1C	
PIV					35	FnFreq1	
PIV					36	EEV1	
PIV					37	EEV2	
PIV					38	EEV3	

#### • AJHLALCH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					01	Cap	
BI					02	Op	
PIV					03	Md	
BI					04	Dfrst	
BI					05	OiRcvr	
BI					06	Cmp1	
BI					07	BH	
BI					08	HPSW1	
BI					09	4WV1	
BI					10	4WV2	
BI					11	4WV3	
BI					12	SV1	
BI					13	SV2	
BI					14	SV3	
BI					15	CCH1	
BI					16	CCH2	
BI					17	FnSt1	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					18	TH1	TH1 [°C]
IV					19	TH2	TH2 [°C]
IV					20	TH3	TH3 [°C]
IV					21	TH4	TH4 [°C]
IV					22	TH5	TH5 [°C]
IV					23	TH6	TH6 [°C]
IV					24	TH7	TH7 [°C]
IV					25	TH8	TH8 [°C]
IV					26	TH9	TH9 [°C]
IV					27	TH10	TH10 [°C]
IV					28	TH11	TH11 [°C]
AI					29	HPS	HPS [MPa]
AI					30	LPS	LPS [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 x 0.1 [A]
PIV					35	FnFreq1	Fan Frequency 1 [RPM]
PIV					36	EEV1	EEV1 [Pls]
PIV					37	EEV2	EEV2 [Pls]
PIV					38	EEV3	EEV3 [Pls]

#### • AJQLALBH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
BI					09	4WV1	4WV1
BI					10	4WV2	4WV2
BI					11	4WV3	4WV3
BI					12	SV1	SV1
BI					13	SV2	SV2
BI					14	SV3	SV3
BI					15	CCH1	CCH1
BI					16	CCH2	CCH2
BI					17	FnSt1	Fan State 1
IV					18	TH1	TH1 [°C]
IV					19	TH2	TH2 [°C]
IV					20	TH3	TH3 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					21	TH4	TH4 [°C]
IV					22	TH5	TH5 [°C]
IV					23	TH6	TH6 [°C]
IV					24	TH7	TH7 [°C]
IV					25	TH8	TH8 [°C]
IV					26	TH9	TH9 [°C]
IV					27	TH10	TH10 [°C]
IV					28	TH11	TH11 [°C]
AI					29	HPS	HPS [MPa]
AI					30	LPS	LPS [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 x 0.1 [A]
PIV					35	FnFreq1	Fan Frequency 1 [RPM]
PIV					36	EEV1	EEV1 [Pls]
PIV					37	EEV2	EEV2 [Pls]
PIV					38	EEV3	EEV3 [Pls]

#### • AJYLATBH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
BI					09	4WV1	4WV1
BI					10	4WV2	4WV2
BI					11	4WV3	4WV3
BI					12	SV1	SV1
BI					13	SV2	SV2
BI					14	SV3	SV3
BI					15	CCH1	CCH1
BI					16	CCH2	CCH2
BI					17	FnSt1	Fan State 1
IV					18	TH1	TH1 [°C]
IV					19	TH2	TH2 [°C]
IV					20	TH3	TH3 [°C]
IV					21	TH4	TH4 [°C]
IV					22	TH5	TH5 [°C]
IV					23	TH6	TH6 [°C]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV			24		TH7	TH7 [°C]	
IV			25		TH8	TH8 [°C]	
IV			26		TH9	TH9 [°C]	
IV			27		TH10	TH10 [°C]	
IV			28		TH11	TH11 [°C]	
AI			29		HPS	HPS [MPa]	
AI			30		LPS	LPS [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 x 0.1 [A]	
PIV			35		FnFreq1	Fan Frequency 1 [RPM]	
PIV			36		EEV1	EEV1 [Pls]	
PIV			37		EEV2	EEV2 [Pls]	
PIV			38		EEV3	EEV3 [Pls]	

- **AJYLNLBH**

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	CMP1	
BI			07		BH	BH	
BI			08		HPSW1	HPSW1	
BI			09		4WV1	4WV1	
BI			10		4WV2	4WV2	
BI			11		4WV3	4WV3	
BI			12		SV1	SV1	
BI			13		SV2	SV2	
BI			14		SV3	SV3	
BI			15		CCH1	CCH1	
BI			16		CCH2	CCH2	
BI			17		FnSt1	Fan State 1	
IV			18		TH1	TH1 [°C]	
IV			19		TH2	TH2 [°C]	
IV			20		TH3	TH3 [°C]	
IV			21		TH4	TH4 [°C]	
IV			22		TH5	TH5 [°C]	
IV			23		TH6	TH6 [°C]	
IV			24		TH7	TH7 [°C]	
IV			25		TH8	TH8 [°C]	
IV			26		TH9	TH9 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	IV						
IV				28	TH11	TH11 [°C]	
AI				29	HPS	HPS [MPa]	
AI				30	LPS	LPS [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 x 0.1 [A]	
PIV				35	FnFreq1	Fan Frequency 1 [RPM]	
PIV				36	EEV1	EEV1 [Pls]	
PIV				37	EEV2	EEV2 [Pls]	
PIV				38	EEV3	EEV3 [Pls]	

### • AJYLNTBH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	Op	Operation	
PIV				03	Md	Mode	
BI				04	Dfrst	Defrost	
BI				05	OiRcvr	Oil Recovery	
BI				06	Cmp1	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
BI				09	4WV1	4WV1	
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	
BI				12	SV1	SV1	
BI				13	SV2	SV2	
BI				14	SV3	SV3	
BI				15	CCH1	CCH1	
BI				16	CCH2	CCH2	
BI				17	FnSt1	Fan State 1	
IV				18	TH1	TH1 [°C]	
IV				19	TH2	TH2 [°C]	
IV				20	TH3	TH3 [°C]	
IV				21	TH4	TH4 [°C]	
IV				22	TH5	TH5 [°C]	
IV				23	TH6	TH6 [°C]	
IV				24	TH7	TH7 [°C]	
IV				25	TH8	TH8 [°C]	
IV				26	TH9	TH9 [°C]	
IV				27	TH10	TH10 [°C]	
IV				28	TH11	TH11 [°C]	
AI				29	HPS	HPS [MPa]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
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 x 0.1 [A]
PIV					35	FnFreq1	Fan Frequency 1 [RPM]
PIV					36	EEV1	EEV1 [Pls]
PIV					37	EEV2	EEV2 [Pls]
PIV					38	EEV3	EEV3 [Pls]

### • AJYLNCH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI					02	Op	Operation
PIV					03	Md	Mode
BI					04	Dfrst	Defrost
BI					05	OiRcvr	Oil Recovery
BI					06	Cmp1	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
BI					09	4WV1	4WV1
BI					10	4WV2	4WV2
BI					11	4WV3	4WV3
BI					12	SV1	SV1
BI					13	SV2	SV2
BI					14	SV3	SV3
BI					15	CCH1	CCH1
BI					16	CCH2	CCH2
BI					17	FnSt1	Fan State 1
IV					18	TH1	TH1 [°C]
IV					19	TH2	TH2 [°C]
IV					20	TH3	TH3 [°C]
IV					21	TH4	TH4 [°C]
IV					22	TH5	TH5 [°C]
IV					23	TH6	TH6 [°C]
IV					24	TH7	TH7 [°C]
IV					25	TH8	TH8 [°C]
IV					26	TH9	TH9 [°C]
IV					27	TH10	TH10 [°C]
IV					28	TH11	TH11 [°C]
AI					29	HPS	HPS [MPa]
AI					30	LPS	LPS [MPa]
PIV					31	Cmp1F	CMP1 Drive Frequency [RPS]
IV					32	Cmp1T	CMP1 Inverter Temperature [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
AI					34	Cmp1C	CMP1 CT Current x 0.1 [A]
PIV					35	FnFreq1	Fan Frequency 1 [RPM]
PIV					36	EEV1	EEV1 [PIs]
PIV					37	EEV2	EEV2 [PIs]
PIV					38	EEV3	EEV3 [PIs]

### • AJYLALCH

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI					02	Op	Operation
PIV					03	Md	Mode
BI					04	Dfrst	Defrost
BI					05	OiRcvr	Oil Recovery
BI					06	Cmp1	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
BI					09	4WV1	4WV1
BI					10	4WV2	4WV2
BI					11	4WV3	4WV3
BI					12	SV1	SV1
BI					13	SV2	SV2
BI					14	SV3	SV3
BI					15	CCH1	CCH1
BI					16	CCH2	CCH2
BI					17	FnSt1	Fan State 1
IV					18	TH1	TH1 [°C]
IV					19	TH2	TH2 [°C]
IV					20	TH3	TH3 [°C]
IV					21	TH4	TH4 [°C]
IV					22	TH5	TH5 [°C]
IV					23	TH6	TH6 [°C]
IV					24	TH7	TH7 [°C]
IV					25	TH8	TH8 [°C]
IV					26	TH9	TH9 [°C]
IV					27	TH10	TH10 [°C]
IV					28	TH11	TH11 [°C]
AI					29	HPS	HPS [MPa]
AI					30	LPS	LPS [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 x 0.1 [A]
PIV					35	FnFreq1	Fan Frequency 1 [RPM]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
PIV					36	EEV1	EEV1 [PIs]
PIV					37	EEV2	EEV2 [PIs]
PIV					38	EEV3	EEV3 [PIs]

### • 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	CMP1	
BI				07	BH	BH	
BI				08	HPSW1	HPSW1	
BI				09	4WV1	4WV1	
BI				10	4WV2	4WV2	
BI				11	4WV3	4WV3	
BI				12	SV1	SV1	
BI				13	SV2	SV2	
BI				14	SV3	SV3	
BI				15	CCH1	CCH1	
BI				16	CCH2	CCH2	
BI				17	FnSt1	Fan State 1	
IV				18	TH1	TH1 [°C]	
IV				19	TH2	TH2 [°C]	
IV				20	TH3	TH3 [°C]	
IV				21	TH4	TH4 [°C]	
IV				22	TH5	TH5 [°C]	
IV				23	TH6	TH6 [°C]	
IV				24	TH7	TH7 [°C]	
IV				25	TH8	TH8 [°C]	
IV				26	TH9	TH9 [°C]	
IV				27	TH10	TH10 [°C]	
IV				28	TH11	TH11 [°C]	
AI				29	HPS	HPS [MPa]	
AI				30	LPS	LPS [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 x 0.1 [A]	
PIV				35	FnFreq1	Fan Frequency 1 [RPM]	
PIV				36	EEV1	EEV1 [PIs]	
PIV				37	EEV2	EEV2 [PIs]	
PIV				38	EEV3	EEV3 [PIs]	



### • AJCLETAH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	CCH1	CCH1
BI					14	FnSt1	Fan State 1
BI					15	FnSt2	Fan State 2
IV					16	TH1	TH1 [°C]
IV					17	TH3	TH3 [°C]
IV					18	TH4	TH4 [°C]
IV					19	TH5	TH5 [°C]
IV					20	TH7	TH7 [°C]
IV					21	TH9	TH9 [°C]
IV					22	TH10	TH10 [°C]
AI					23	HPS	HPS [MPa]
AI					24	LPS	LPS [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 x 0.1 [A]
PIV					29	FnFreq1	Fan Frequency 1 [RPM]
PIV					30	FnFreq2	Fan Frequency 2 [RPM]
PIV					31	EEV1	EEV1 [Pls]
PIV					32	EEV2	EEV2 [Pls]

### • AJQLELAH

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	CMP1
BI					07	BH	BH



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	CCH1	CCH1
BI					14	FnSt1	Fan State 1
BI					15	FnSt2	Fan State 2
IV					16	TH1	TH1 [°C]
IV					17	TH3	TH3 [°C]
IV					18	TH4	TH4 [°C]
IV					19	TH5	TH5 [°C]
IV					20	TH7	TH7 [°C]
IV					21	TH9	TH9 [°C]
IV					22	TH10	TH10 [°C]
AI					23	HPS	HPS [MPa]
AI					24	LPS	LPS [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 x 0.1 [A]
PIV					29	FnFreq1	Fan Frequency 1 [RPM]
PIV					30	FnFreq2	Fan Frequency 2 [RPM]
PIV					31	EEV1	EEV1 [Pls]
PIV					32	EEV2	EEV2 [Pls]

### • AJULELAH

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	CMP1
BI					07	BH	BH
BI					08	HPSW1	HPSW1
PIV					09	LoNoise	Low Noise
BI					10	FrcdOff	Forced Off
BI					11	CapSv	Capacity Save
BI					12	4WV1	4WV1
BI					13	CCH1	CCH1
BI					14	FnSt1	Fan State 1
BI					15	FnSt2	Fan State 2
IV					16	TH1	TH1 [°C]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
IV					17	TH3	TH3 [°C]
IV					18	TH4	TH4 [°C]
IV					19	TH5	TH5 [°C]
IV					20	TH7	TH7 [°C]
IV					21	TH9	TH9 [°C]
IV					22	TH10	TH10 [°C]
AI					23	HPS	HPS [MPa]
AI					24	LPS	LPS [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 x 0.1 [A]
PIV					29	FnFreq1	Fan Frequency 1 [RPM]
PIV					30	FnFreq2	Fan Frequency 2 [RPM]
PIV					31	EEV1	EEV1 [Pls]
PIV					32	EEV2	EEV2 [Pls]

### 3.2.9 Midea

#### 3.2.9.1 Midea PRO Indoor Units

#### 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
AI					06	T2BAvg	T2B Average x 0.1 [°C]
PIV					07	SysDmnd	System Demand
PIV					08	HP	HP [hp]
PIV					09	Fan1	Fan1
AI					10	HiPrs	H pressure x 0.1
AI					11	T6A	T6A x 0.1 [°C]
AI					12	T6B	T6B x 0.1 [°C]
AI					13	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					14	T3	T3 (condenser temperature) x 0.1 [°C]
PIV					15	Tf1	Tf1
PIV					16	INV1	INV1 (compressor 1 frequency) [rps]
PIV					17	CUR1	CUR1 (current 1) [A]
PIV					18	T7C1	T7C1 (discharge 1) [°C]
PIV					19	T7C2	T7C2 (discharge 2) [°C]





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				21	EXVC	EXVB (electronic expansion valve C)	
PIV				22	CRANK1	CRANK1	
PIV				23	SV4	SV4	
PIV				24	SV5	SV5	
PIV				25	SV6	SV6	
PIV				26	SV7	SV7	
PIV				27	SV8A	SV8A	
PIV				28	ST1	ST1	
CSV				29	Err	Error Code	
PIV				30	Dmnd	Demand	
PIV				31	SprHt	Superheat	

### • V6 Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	Fan1	Fan1	
AI				03	HiPrs	H pressure x 0.1	
AI				04	T6A	T6A x 0.1 [°C]	
AI				05	T6B	T6B x 0.1 [°C]	
AI				06	T4	T4 (outdoor ambient temperature) x 0.1 [°C]	
AI				07	T3	T3 (condenser temperature) x 0.1 [°C]	
PIV				08	Tf1	Tf1	
PIV				09	INV1	INV1 (compressor 1 frequency) [rps]	
PIV				10	CUR1	CUR1 (current 1) [A]	
PIV				11	T7C1	T7C1 (discharge 1) [°C]	
PIV				12	T7C2	T7C2 (discharge 2) [°C]	
PIV				13	EXVA	EXVA (electronic expansion valve A)	
PIV				14	EXVC	EXVB (electronic expansion valve C)	
PIV				15	CRANK1	CRANK1	
PIV				16	SV4	SV4	
PIV				17	SV5	SV5	
PIV				18	SV6	SV6	
PIV				19	SV7	SV7	
PIV				20	SV8A	SV8A	
PIV				21	ST1	ST1	
CSV				22	Err	Error Code	
PIV				23	Dmnd	Demand	
PIV				24	SprHt	Superheat	

### • CR-HP Master



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	PreHt	Preheat	
PIV				03	OiRet	Oil Return	
PIV				04	Dfrst	Defrosting	
PIV				05	MdOpPri	Mode operation priority	
PIV				06	ShtRefSig	Mode operation priority	
PIV				07	OvrCon	Mode operation priority	
AI				08	SysT4	Mode operation priority	
AI				09	SysHP	Mode operation priority	
AI				10	SysLP	Mode operation priority	
PIV				11	MinDSH	Mode operation priority	
PIV				12	PrtChk	Mode operation priority	
PIV				13	FanStc	Mode operation priority	
PIV				14	SIntSt	Mode operation priority	
PIV				15	Ton	Mode operation priority	
PIV				16	Fan1	Fan1	
PIV				17	Fan2	Fan1	
AI				18	HiPrs	H pressure x 0.1	
AI				19	LoPrs	H pressure x 0.1	
AI				20	T4	T4 (outdoor ambient temperature) x 0.1 [°C]	
AI				21	T3	T3 (condenser temperature) x 0.1 [°C]	
IV				22	Tf	T3 (condenser temperature) x 0.1 [°C]	
IV				23	Tc	T3 (condenser temperature) x 0.1 [°C]	
AI				24	Te	T3 (condenser temperature) x 0.1 [°C]	
IV				25	T71	T3 (condenser temperature) x 0.1 [°C]	
IV				26	T72	T3 (condenser temperature) x 0.1 [°C]	
AI				27	T5	T3 (condenser temperature) x 0.1 [°C]	
AI				28	T7	T3 (condenser temperature) x 0.1 [°C]	
PIV				29	INV1	INV1 (compressor 1 frequency) [rps]	
PIV				30	INV2	INV1 (compressor 1 frequency) [rps]	
PIV				31	CUR1	CUR1 (current 1) [A]	
PIV				32	CUR2	CUR1 (current 1) [A]	
PIV				33	EXVA/B	CUR1 (current 1) [A]	
PIV				34	EXVC	EXVB (electronic expansion valve C)	
PIV				35	CRANK1	CRANK1	
PIV				36	CRANK2	CRANK1	
PIV				37	SV4	SV4	
PIV				38	SV7	SV7	
PIV				39	ST1	ST1	
PIV				40	OnOff	ST1	
PIV				41	NgtsInt	ST1	
CSV				42	Err	Error Code	
PIV				43	Dmnd	Demand	
PIV				44	InvQty	Demand	

- CR-HP Slave



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	Fan1	Fan1	
PIV				03	Fan2	Fan1	
AI				04	HiPrs	H pressure x 0.1	
AI				05	LoPrs	H pressure x 0.1	
AI				06	T4	T4 (outdoor ambient temperature) x 0.1 [°C]	
AI				07	T3	T3 (condenser temperature) x 0.1 [°C]	
IV				08	Tf	T3 (condenser temperature) x 0.1 [°C]	
IV				09	Tc	T3 (condenser temperature) x 0.1 [°C]	
AI				10	Te	T3 (condenser temperature) x 0.1 [°C]	
IV				11	T71	T3 (condenser temperature) x 0.1 [°C]	
IV				12	T72	T3 (condenser temperature) x 0.1 [°C]	
AI				13	T5	T3 (condenser temperature) x 0.1 [°C]	
AI				14	T7	T3 (condenser temperature) x 0.1 [°C]	
PIV				15	INV1	INV1 (compressor 1 frequency) [rps]	
PIV				16	INV2	INV1 (compressor 1 frequency) [rps]	
PIV				17	CUR1	CUR1 (current 1) [A]	
PIV				18	CUR2	CUR1 (current 1) [A]	
PIV				19	EXVA/B	CUR1 (current 1) [A]	
PIV				20	EXVC	EXVB (electronic expansion valve C)	
PIV				21	CRANK1	CRANK1	
PIV				22	CRANK2	CRANK1	
PIV				23	SV4	SV4	
PIV				24	SV7	SV7	
PIV				25	ST1	ST1	
PIV				26	OnOff	ST1	
PIV				27	NgtSlnt	ST1	
CSV				28	Err	Error Code	
PIV				29	Dmnd	Demand	
PIV				30	InvQty	Demand	

### • CR-HR Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
BI				02	PreHt	Preheat	
PIV				03	OiRet	Oil Return	
PIV				04	Dfrst	Defrosting	
PIV				05	ShtRefSig	Defrosting	
PIV				06	OvrCon	Defrosting	
AI				07	SysT4	Defrosting	
PIV				08	MinDSH	Defrosting	
PIV				09	PrtChk	Defrosting	
PIV				10	FanStc	Defrosting	
PIV				11	SlntSt	Defrosting	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					12	MdChngSig	Defrosting
PIV					13	PI	Defrosting
PIV					14	FF	Defrosting
IV					15	Tcs	Defrosting
AI					16	Tes	Defrosting
PIV					17	Ton	Defrosting
PIV					18	Fan1	Fan1
PIV					19	Fan2	Fan1
AI					20	HiPrs	H pressure x 0.1
AI					21	LoPrs	H pressure x 0.1
AI					22	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					23	T3A	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					24	T3C	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					25	Tf	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					26	Tc	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					27	Te	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					28	T71	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					29	T72	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					30	T5	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					31	T6	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					32	T7	T4 (outdoor ambient temperature) x 0.1 [°C]
PIV					33	INV1	INV1 (compressor 1 frequency) [rps]
PIV					34	INV2	INV1 (compressor 1 frequency) [rps]
PIV					35	CUR1	CUR1 (current 1) [A]
PIV					36	CUR2	CUR1 (current 1) [A]
PIV					37	CRANK1	CRANK1
PIV					38	CRANK2	CRANK1
PIV					39	SV4	SV4
PIV					40	SV5	SV5
PIV					41	SV6	SV6
PIV					42	SV7	SV7
PIV					43	ST1	ST1
PIV					44	OnOff	ST1
PIV					45	NgtSlnt	ST1
CSV					46	Err	Error Code
PIV					47	Dmnd	Demand
PIV					48	InvQty	Demand
PIV					49	HexStp	Demand

### • CR-HR Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					01	Ton	Demand
PIV					02	Fan1	Fan1
PIV					03	Fan2	Fan1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					04	HiPrs	H pressure x 0.1
AI					05	LoPrs	H pressure x 0.1
AI					06	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					07	T3A	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					08	T3C	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					09	Tf	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					10	Tc	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					11	Te	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					12	T71	T4 (outdoor ambient temperature) x 0.1 [°C]
IV					13	T72	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					14	T5	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					15	T6	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					16	T7	T4 (outdoor ambient temperature) x 0.1 [°C]
PIV					17	INV1	INV1 (compressor 1 frequency) [rps]
PIV					18	INV2	INV1 (compressor 1 frequency) [rps]
PIV					19	CUR1	CUR1 (current 1) [A]
PIV					20	CUR2	CUR1 (current 1) [A]
PIV					21	CRANK1	CRANK1
PIV					22	CRANK2	CRANK1
PIV					23	SV4	SV4
PIV					24	SV5	SV5
PIV					25	SV6	SV6
PIV					26	SV7	SV7
PIV					27	ST1	ST1
PIV					28	OnOff	ST1
PIV					29	NgtSlnt	ST1
CSV					30	Err	Error Code
PIV					31	Dmnd	Demand
PIV					32	InvQty	Demand
PIV					33	HexStp	Demand

### • CR-Mini Master

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					01	Md	Mode
PIV					02	OiRet	Oil Return
PIV					03	Dfrst	Defrosting
AI					04	SysT4	Defrosting
AI					05	SysHP	Defrosting
PIV					06	MinDSH	Defrosting
PIV					07	PrtChk	Defrosting
PIV					08	Ton	Defrosting
PIV					09	Fan1	Fan1
PIV					10	Fan2	Fan1
AI					11	HiPrs	H pressure x 0.1



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI					12	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					13	T3	T3 (condenser temperature) x 0.1 [°C]
IV					14	Tf	T3 (condenser temperature) x 0.1 [°C]
IV					15	Tc	T3 (condenser temperature) x 0.1 [°C]
IV					16	T5	T3 (condenser temperature) x 0.1 [°C]
PIV					17	INV1	INV1 (compressor 1 frequency) [rps]
PIV					18	CUR1	CUR1 (current 1) [A]
PIV					19	EXVA	EXVA (electronic expansion valve A)
PIV					20	CRANK1	CRANK1
PIV					21	SV4	SV4
PIV					22	SV5	SV5
PIV					23	SV6	SV6
PIV					24	ST1	ST1
PIV					25	OnOff	ST1
CSV					26	Err	Error Code
PIV					27	Dmnd	Demand
PIV					28	InvQty	Demand

#### • CR-Mini Slave

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					01	Ton	Demand
PIV					02	Fan1	Fan1
PIV					03	Fan2	Fan1
AI					04	HiPrs	H pressure x 0.1
AI					05	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI					06	T3	T3 (condenser temperature) x 0.1 [°C]
IV					07	Tf	T3 (condenser temperature) x 0.1 [°C]
IV					08	Tc	T3 (condenser temperature) x 0.1 [°C]
IV					09	T5	T3 (condenser temperature) x 0.1 [°C]
PIV					10	INV1	INV1 (compressor 1 frequency) [rps]
PIV					11	CUR1	CUR1 (current 1) [A]
PIV					12	EXVA	EXVA (electronic expansion valve A)
PIV					13	CRANK1	CRANK1
PIV					14	SV4	SV4
PIV					15	SV5	SV5
PIV					16	SV6	SV6
PIV					17	ST1	ST1
PIV					18	OnOff	ST1
CSV					19	Err	Error Code
PIV					20	Dmnd	Demand
PIV					21	InvQty	Demand



### 3.2.10 Toshiba

Enter topic text here.

#### 3.2.10.1 Toshiba PRO Indoor Units

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
AI					01	No.NET	NO.NET
AI					02	Kind	Kind
AI					03	Mode	Operation Mode
AI					04	Fan	Fan Mode
AI					05	W_Pump	W_Pump
AI					06	Heater	Heater
AI					07	Valve	Valve
AI					08	Type	Type
AI					09	HP	HP x 0.1 [hp]
AI					10	Capacity	Requirement Capacity [%]
AI					11	PMV	PMV
AI					12	TC1	TC1 x 0.1 [°C]
AI					13	TC2	TC2 x 0.1 [°C]
AI					14	TJ	TJ x 0.1 [°C]
AI					15	TA	RoomTemp(TA) x 0.1 [°C]
AI					16	TF	Discharge Air Temperature sensor for VN Units x 0.1 [°C]
AI					17	Error	Error Code
AI					18	TSA	Supply Air Temperature Sensor for A2A Heat Exchanger Unit x 0.1 [°C]
AI					19	TOA	Outdoor Air Temperature Sensor for A2A Heat Exchanger Unit x 0.1 [°C]

#### 3.2.10.2 Toshiba PRO Outdoor Units

##### • SMMS

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	StPri	Starting Priority
PIV					02	HP	Outdoor Unit HP
AI					03	Comp(1)	Comp(1) Hz x 0.1 [Hz]
AI					04	Comp(2)	Comp(2) Hz x 0.1 [Hz]
IV					05	FanMode	Outdoor Unit FanMode
BI					06	4wayVlv	4way Valve
BI					07	CompBU1	Comp BackUp1
BI					08	CompBU2	Comp BackUp2
BI					09	SV2	SV2:Hot Gas Bypass
BI					10	SV5	SV5 ON/OFF
BI					11	SV3A	SV3A:Oil Supply ON/OFF
BI					12	SV3B	SV3B:Oil Return ON/OFF



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					13	SV3C	SV3C:Gas Pressure ON/OFF
BI					14	SV3D	SV3D:Separator Open
BI					15	SV3E	SV3E:Oil Balance ON/OFF
BI					16	SV41	SV41:Comp Start Assist
BI					17	SV42	SV42:Comp Start Assist
AI					18	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI					19	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI					20	TD1	TD1 Discharge Temp x 0.1 [°C]
AI					21	TD2	TD2 Discharge Temp x 0.1 [°C]
AI					22	TE	TE:Heat Exchanger Temp x 0.1 [°C]
AI					23	TL	TL:Liquid Pipe Temp x 0.1 [°C]
AI					24	TG	TG:High Pressure Temp x 0.1 [°C]
AI					25	TS	TS Suction Temp x 0.1 [°C]
AI					26	TU	TU Low Pressure Temp x 0.1 [°C]
AI					27	TO	TO Outdoor Air Temp x 0.1 [°C]
AI					28	TK1	TK1:Oil Temp1 x 0.1 [°C]
AI					29	TK2	TK2:Oil Temp2 x 0.1 [°C]
AI					30	TK3	TK3:Oil Temp3 x 0.1 [°C]
AI					31	TK4	TK4:Oil Temp4 x 0.1 [°C]
PIV					32	CheckCd1	Check Code1
PIV					33	CheckCd2	Check Code2
PIV					34	OilLvCk1	Oil Level Check1
PIV					35	OilLvCk2	Oil Level Check2
AI					36	I1	I1 [A]
AI					37	I2	I2 [A]
IV					38	PMV1+2	PMV1+2

### • SMMS

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					01	HP	Outdoor Unit HP
IV					02	StPri	Starting Priority
AI					03	Comp(1)	Comp(1) Hz x 0.1 [Hz]
AI					04	Comp(2)	Comp(2) Hz x 0.1 [Hz]
IV					05	FanMode	Outdoor Unit FanMode
BI					06	4wayVlv	4way Valve
BI					07	SV2	SV2:Hot Gas Bypass
BI					08	SV5	SV5 ON/OFF
BI					09	SV3A	SV3A:Oil Supply ON/OFF
BI					10	SV3B	SV3B:Oil Return ON/OFF
BI					11	SV3C	SV3C:Gas Pressure ON/OFF
BI					12	SV3D	SV3D:Separator Open
BI					13	SV3E	SV3E:Oil Balance ON/OFF
BI					14	SV41	SV41:Comp Start Assist
BI					15	SV42	SV42:Comp Start Assist





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	BI						
BI				17	OilLvCk2	Oil Level Check2	
AI				18	Pd[psi]	Pd:High Pressure x 0.1 [PSI]	
AI				19	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]	
AI				20	TD1	TD1 Discharge Temp x 0.1 [°C]	
AI				21	TD2	TD2 Discharge Temp x 0.1 [°C]	
AI				22	TE	TE:Heat Exchanger Temp x 0.1 [°C]	
AI				23	TL	TL:Liquid Pipe Temp x 0.1 [°C]	
AI				24	TS	TS Suction Temp x 0.1 [°C]	
AI				25	TU	TU Low Pressure Temp x 0.1 [°C]	
AI				26	TK1	TK1:Oil Temp1 x 0.1 [°C]	
AI				27	TK2	TK2:Oil Temp2 x 0.1 [°C]	
AI				28	TK3	TK3:Oil Temp3 x 0.1 [°C]	
AI				29	TK4	TK4:Oil Temp4 x 0.1 [°C]	
PIV				30	I1	Follower I1 [A]	
PIV				31	I2	Follower I2 [A]	
IV				32	PMV1+2	PMV1+2	

- SMMSe

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				02	HP	Outdoor Unit HP	
AI				03	Comp(1)	Comp(1) Hz x 0.1 [Hz]	
AI				04	Comp(2)	Comp(2) Hz x 0.1 [Hz]	
IV				05	FanMode	Outdoor Unit FanMode	
BI				06	4wayVlv	4way Valve	
BI				07	CompBUup1	Comp BackUp1	
BI				08	CompBUup2	Comp BackUp2	
BI				09	SV2	SV2:Hot Gas Bypass	
BI				10	SV3A	SV3A:Oil Supply ON/OFF	
BI				11	SV3B	SV3B:Oil Return ON/OFF	
BI				12	SV3C	SV3C:Gas Pressure ON/OFF	
BI				13	SV3D	SV3D:Separator Open	
BI				14	SV3E	SV3E:Oil Balance ON/OFF	
BI				15	SV41	SV41:Comp Start Assist	
BI				16	SV42	SV42:Comp Start Assist	
BI				17	SV51	SV51	
BI				18	SV52	SV52	
AI				19	Pd[psi]	Pd:High Pressure x 0.1 [PSI]	
AI				20	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]	
AI				21	TD1	TD1 Discharge Temp x 0.1 [°C]	
AI				22	TD2	TD2 Discharge Temp x 0.1 [°C]	
AI				23	TE1	TE1:Heat Exchanger Temp x 0.1 [°C]	
AI				24	TE2	TE2:Heat Exchanger Temp x 0.1 [°C]	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
AI				25	TL1	TL1:Liquid Pipe Temp x 0.1 [°C]	
AI				26	TL2	TL2:Liquid Pipe Temp x 0.1 [°C]	
AI				27	TL3	TL3:Liquid Pipe Temp x 0.1 [°C]	
AI				28	TS1	TS1:Suction Temp x 0.1 [°C]	
AI				29	TS3	TS3:Suction Temp x 0.1 [°C]	
AI				30	TG1	TG1:Gas.Temp x 0.1 [°C]	
AI				31	TG2	TG2:Gas.Temp x 0.1 [°C]	
AI				32	TG	TG:High Pressure Temp x 0.1 [°C]	
AI				33	TU	TU Low Pressure Temp x 0.1 [°C]	
AI				34	TO	TO Outdoor Air Temp x 0.1 [°C]	
AI				35	TK1	TK1:Oil Temp1 x 0.1 [°C]	
AI				36	TK2	TK2:Oil Temp2 x 0.1 [°C]	
AI				37	TK4	TK4:Oil Temp4 x 0.1 [°C]	
AI				38	TK5	TK5:Oil Temp5 x 0.1 [°C]	
AI				39	TH1	TH1:Comp1 IGBT Temp x 0.1 [°C]	
AI				40	TH2	TH2:Comp2 IGBT Temp x 0.1 [°C]	
AI				41	THF1	THF1:Fan Motor1 IGBT Temp x 0.1 [°C]	
AI				42	THF2	THF2:Fan Motor1 IGBT Temp x 0.1 [°C]	
PIV				43	CheckCd1	Check Code1	
PIV				44	CheckCd2	Check Code2	
PIV				45	OilLvCk1	Oil Level Check1	
PIV				46	OilLvCk2	Oil Level Check2	
AI				47	I1	I1 [A]	
AI				48	I2	I2 [A]	
IV				49	PMV1	PMV1 [pls]	
IV				50	PMV3	PMV3 [pls]	
IV				51	PMV4	PMV4 [pls]	
BI				52	AccHeat	Accumulator Heater	
BI				53	Co1Heat	Comp1 Heater	
BI				54	Co2Heat	Comp2 Heater	
BI				55	CFoStop1	Comp Forced Stop1	
BI				56	CFoStop2	Comp Forced Stop2	

- SMMSe

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV				01	HP	Outdoor Unit HP	
IV				02	StPri	Starting Priority	
AI				03	Comp(1)	Comp(1) Hz x 0.1 [Hz]	
AI				04	Comp(2)	Comp(2) Hz x 0.1 [Hz]	
IV				05	FanMode	Outdoor Unit FanMode	
BI				06	4wayVlv	4way Valve	
BI				07	CompBUUp1	Comp BackUp1	
BI				08	CompBUUp2	Comp BackUp2	
BI				09	SV2	SV2:Hot Gas Bypass	



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					10	SV3A	SV3A:Oil Supply ON/OFF
BI					11	SV3B	SV3B:Oil Return ON/OFF
BI					12	SV3C	SV3C:Gas Pressure ON/OFF
BI					13	SV3D	SV3D:Separator Open
BI					14	SV3E	SV3E:Oil Balance ON/OFF
BI					15	SV41	SV41:Comp Start Assist
BI					16	SV42	SV42:Comp Start Assist
BI					17	OilLvCk1	Oil Level Check1
BI					18	OilLvCk2	Oil Level Check2
BI					19	SV51	SV51
BI					20	SV52	SV52
AI					21	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI					22	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI					23	TD1	TD1 Discharge Temp x 0.1 [°C]
AI					24	TD2	TD2 Discharge Temp x 0.1 [°C]
AI					25	TE1	TE1:Heat Exchanger Temp x 0.1 [°C]
AI					26	TE2	TE2:Heat Exchanger Temp x 0.1 [°C]
AI					27	TL1	TL1:Liquid Pipe Temp x 0.1 [°C]
AI					28	TL2	TL2:Liquid Pipe Temp x 0.1 [°C]
AI					29	TL3	TL3:Liquid Pipe Temp x 0.1 [°C]
AI					30	TS1	TS1:Suction Temp x 0.1 [°C]
AI					31	TS3	TS3:Suction Temp x 0.1 [°C]
AI					32	TG1	TG1:Gas.Temp x 0.1 [°C]
AI					33	TG2	TG2:Gas.Temp x 0.1 [°C]
AI					34	TU	TU Low Pressure Temp x 0.1 [°C]
AI					35	TO	TO Outdoor Air Temp x 0.1 [°C]
AI					36	TK1	TK1:Oil Temp1 x 0.1 [°C]
AI					37	TK2	TK2:Oil Temp2 x 0.1 [°C]
AI					38	TK4	TK4:Oil Temp4 x 0.1 [°C]
AI					39	TK5	TK5:Oil Temp5 x 0.1 [°C]
AI					40	I1	I1 [A]
AI					41	I2	I2 [A]
IV					42	PMV1	PMV1 [pls]
IV					43	PMV3	PMV3 [pls]
IV					44	PMV4	PMV4 [pls]
BI					45	AccHeat	Accumulator Heater
BI					46	Co1Heat	Comp1 Heater
BI					47	Co2Heat	Comp2 Heater
BI					48	CFoStop1	Comp Forced Stop1
BI					49	CFoStop2	Comp Forced Stop2

#### • SMMS-Mini

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



Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
AI			02	Comp(1)	Comp(1) Hz x 0.1 [Hz]
IV			03	FanMode	Outdoor Unit FanMode
BI			04	4wayVlv	4way Valve
BI			05	SV2	SV2:Hot Gas Bypass
BI			06	SV5	SV5 ON/OFF
BI			07	SV3A	SV3A:Oil Supply ON/OFF
AI			08	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI			09	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI			10	TD1	TD1 Discharge Temp x 0.1 [°C]
AI			11	TE	TE:Heat Exchanger Temp x 0.1 [°C]
AI			12	TL	TL:Liquid Pipe Temp x 0.1 [°C]
AI			13	TG	TG:High Pressure Temp x 0.1 [°C]
AI			14	TS	TS Suction Temp x 0.1 [°C]
AI			15	TU	TU Low Pressure Temp x 0.1 [°C]
AI			16	TO	TO Outdoor Air Temp x 0.1 [°C]
PIV			17	CheckCd1	Check Code1
PIV			18	CheckCd2	Check Code2
AI			19	MCUver	MCU Version
AI			20	I1	I1 [A]
IV			21	PMV1	PMV1 [pls]
BI			22	SV4	SV4 Comp Start Assist
AI			23	TH	TH Heat Sink Temperature x 0.1 [°C]
AI			24	TL3	TL3:Liquid Pipe Temp x 0.1 [°C]
AI			25	TS3	TS3:Suction Temp x 0.1 [°C]
AI			26	TK1	TK1:Oil Temp1 x 0.1 [°C]
IV			27	PMV4	PMV4 [pls]

### • SHRMe

Object Identifier bits				Short Name	Object Description
31	22	21	8 7 0		
Type	Instance		Index		
	VA				
PIV			01	StPri	Starting Priority
PIV			02	HP	Outdoor Unit HP
AI			03	Comp(1)	Comp(1) Hz x 0.1 [Hz]
AI			04	Comp(2)	Comp(2) Hz x 0.1 [Hz]
IV			05	FanMode	Outdoor Unit FanMode
BI			06	4wayVlv	4way Valve
BI			07	CompBUp1	Comp BackUp1
BI			08	CompBUp2	Comp BackUp2
BI			09	SV2	SV2:Hot Gas Bypass
BI			10	SV3A	SV3A:Oil Supply ON/OFF
BI			11	SV3B	SV3B:Oil Return ON/OFF
BI			12	SV3C	SV3C:Gas Pressure ON/OFF
BI			13	SV3D	SV3D:Separator Open
BI			14	SV3E	SV3E:Oil Balance ON/OFF
BI			15	SV41	SV41:Comp Start Assist



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
BI					16	SV42	SV42:Comp Start Assist
BI					17	SV51	SV51
BI					18	SV52	SV52
AI					19	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI					20	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI					21	TD1	TD1 Discharge Temp x 0.1 [°C]
AI					22	TD2	TD2 Discharge Temp x 0.1 [°C]
AI					23	TE1	TE1:Heat Exchanger Temp x 0.1 [°C]
AI					24	TE2	TE2:Heat Exchanger Temp x 0.1 [°C]
AI					25	TL1	TL1:Liquid Pipe Temp x 0.1 [°C]
AI					26	TS1	TS1:Suction Temp x 0.1 [°C]
AI					27	TS2	TS2:Suction Temp x 0.1 [°C]
AI					28	InvCurRI	INV Current Release * [A]
AI					29	TG	TG:High Pressure Temp x 0.1 [°C]
AI					30	TU	TU Low Pressure Temp x 0.1 [°C]
AI					31	TO	TO Outdoor Air Temp x 0.1 [°C]
AI					32	TK1	TK1:Oil Temp1 x 0.1 [°C]
AI					33	TK2	TK2:Oil Temp2 x 0.1 [°C]
AI					34	TK4	TK4:Oil Temp4 x 0.1 [°C]
AI					35	TK5	TK5:Oil Temp5 x 0.1 [°C]
AI					36	TH1	TH1:Comp1 IGBT Temp x 0.1 [°C]
AI					37	TH2	TH2:Comp2 IGBT Temp x 0.1 [°C]
AI					38	TH3	TH3 x 0.1 [°C]
AI					39	I3	I3 [A]
PIV					40	CheckCd1	Check Code1
PIV					41	CheckCd2	Check Code2
PIV					42	OilLvCk1	Oil Level Check1
PIV					43	OilLvCk2	Oil Level Check2
AI					44	I1	I1 [A]
AI					45	I2	I2 [A]
IV					46	PMV1	PMV1 [pls]
IV					47	PMV3	PMV3 [pls]
IV					48	PMV4	PMV4 [pls]
BI					49	CFoStop1	Comp Forced Stop1
BI					50	CFoStop2	Comp Forced Stop2
BI					51	SV61	SV61
BI					52	SV11	SV11
BI					53	SV12	SV12

### • SHRMe

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		Index				
	VA						
PIV					01	HP	Outdoor Unit HP
IV					02	StPri	Starting Priority
AI					03	Comp(1)	Comp(1) Hz x 0.1 [Hz]



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	AI						
IV				05	FanMode	Outdoor Unit FanMode	
BI				06	4wayVlv	4way Valve	
BI				07	CompBU1	Comp BackUp1	
BI				08	CompBU2	Comp BackUp2	
BI				09	SV2	SV2:Hot Gas Bypass	
BI				10	SV3A	SV3A:Oil Supply ON/OFF	
BI				11	SV3B	SV3B:Oil Return ON/OFF	
BI				12	SV3C	SV3C:Gas Pressure ON/OFF	
BI				13	SV3D	SV3D:Separator Open	
BI				14	SV3E	SV3E:Oil Balance ON/OFF	
BI				15	SV41	SV41:Comp Start Assist	
BI				16	SV42	SV42:Comp Start Assist	
BI				17	OilLvCk1	Oil Level Check1	
BI				18	OilLvCk2	Oil Level Check2	
BI				19	SV51	SV51	
BI				20	SV52	SV52	
AI				21	Pd[psi]	Pd:High Pressure x 0.1 [PSI]	
AI				22	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]	
AI				23	TD1	TD1 Discharge Temp x 0.1 [°C]	
AI				24	TD2	TD2 Discharge Temp x 0.1 [°C]	
AI				25	TE1	TE1:Heat Exchanger Temp x 0.1 [°C]	
AI				26	TE2	TE2:Heat Exchanger Temp x 0.1 [°C]	
AI				27	TL1	TL1:Liquid Pipe Temp x 0.1 [°C]	
AI				28	TS1	TS1:Suction Temp x 0.1 [°C]	
AI				29	TS2	TS2:Suction Temp x 0.1 [°C]	
AI				30	TU	TU Low Pressure Temp x 0.1 [°C]	
AI				31	TO	TO Outdoor Air Temp x 0.1 [°C]	
AI				32	TK1	TK1:Oil Temp1 x 0.1 [°C]	
AI				33	TK2	TK2:Oil Temp2 x 0.1 [°C]	
AI				34	TK4	TK4:Oil Temp4 x 0.1 [°C]	
AI				35	TK5	TK5:Oil Temp5 x 0.1 [°C]	
AI				36	I1	I1 [A]	
AI				37	I2	I2 [A]	
IV				38	PMV1	PMV1 [pls]	
IV				39	PMV3	PMV3 [pls]	
IV				40	PMV3	PMV3 [pls]	
BI				41	CFoStop1	Comp Forced Stop1	
BI				42	CFoStop2	Comp Forced Stop2	
BI				43	SV61	SV61	
BI				44	SV11	SV11	
BI				45	SV12	SV12	
BI				46	SV14	SV14	
BI				47	SV15	SV15	



### 3.2.10.3 Toshiba PRO Outdoor Systems

#### • SMMS

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

#### • SMMSe

Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance						
	VA	Index					
PIV					01	LineAddr	Line Address
IV					02	CapCtrl	Capacity Control [%]
BI					03	OilRecC	Oil Recovery(Cool)
BI					04	OilRecH	Oil Recovery(Heat)
BI					05	CStart	Cooling Start
BI					06	HStart	Heating Start
BI					07	Defrost	Defrost
BI					08	OilEqCt	Oil Equalizing Control
BI					09	SndRedCt	Sound Reduction Control
BI					10	SnowFnCt	Snowfall Fan Control
BI					11	DownCtrl	Capacity Down Control
BI					12	UpCtrl	Capacity Up Control *
BI					13	HiPrsRel	High Pressure Release
BI					14	OCapCtrl	Odu Capacity Ctrl
BI					15	DschTRel	Discharge Temp Release



Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type	Instance		VA	Index			
	PIV						
PIV				17	OnStrtHH	On Time From Start [hh] [hr]	
PIV				18	OnStrtMM	On Time From Start [mm] [min]	
PIV				19	OnStrtSS	On Time From Start [ss]	
PIV				20	TotalCon	Indoor Total Connect	
AI				21	InvCurRI	INV Current Release * [A]	
BI				22	CoolStop	Cool Stop(amb temp low)	
BI				23	HeatStop	Heat Stop(amb temp hi)	
BI				24	SV2Start	SV2 Start Control	
BI				25	SV2HPRel	SV2 High Pressure Release	
BI				26	SV2LPRel	SV2 Low Pressure Release	
BI				27	SV2OilPr	SV2 Oil Dilution Protect	
IV				28	TotCtStp	Odu Capacity Tot.Ctrl(step)	
IV				29	Demand	Demand [%]	

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





Object Identifier bits					Short Name	Object Description	
31	22	21	8	7			0
Type		Instance					
		VA	Index				
BI		28			HtSinkRI	Heat sink overheat release	
IV		29			TotCtStp	Odu Capacity Tot.Ctrl(step)	

#### • SHRMe

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

### 3.2.10.4 Toshiba SMMSu PRO Outdoor Units

### 3.2.10.5 Toshiba SMMSu PRO Outdoor Systems



## 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.