CoolMasterNet
CooLinkNet
CooLinkHub
CooLinkBridge

BACnet Integration Guidelines

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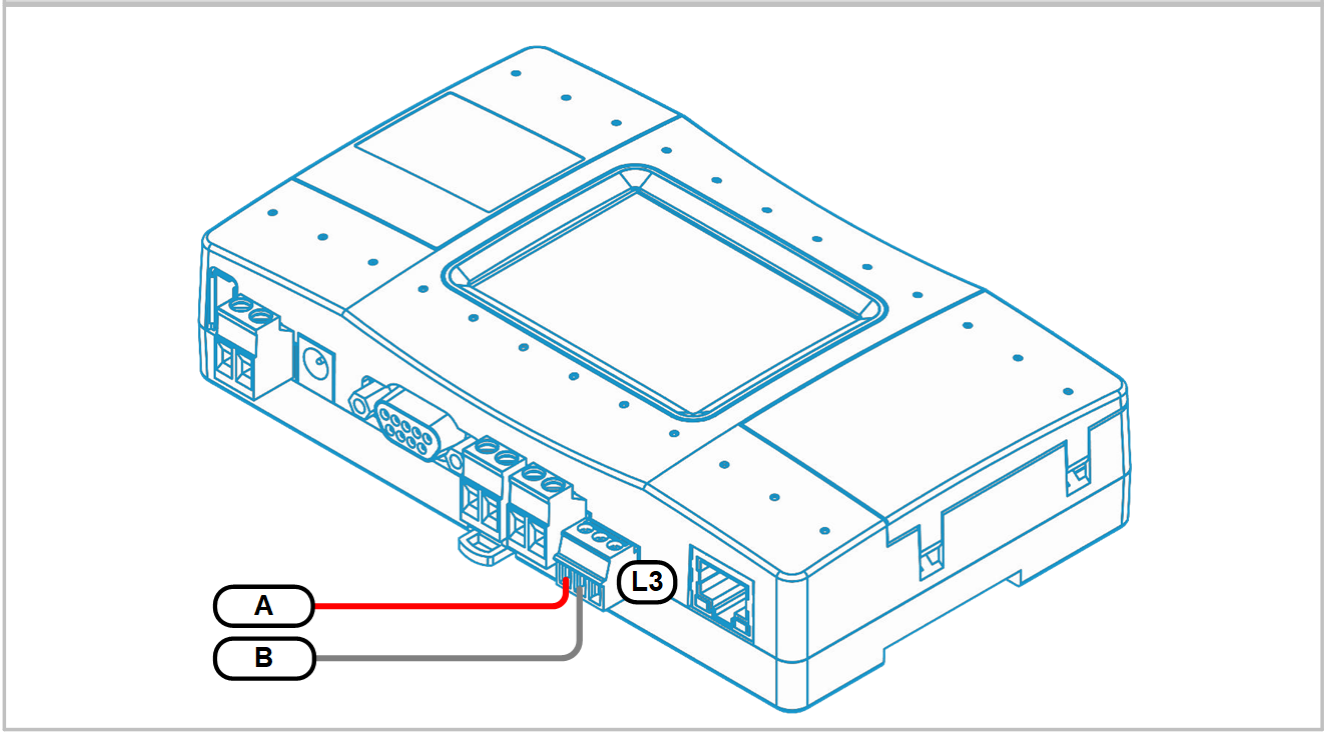
1 Connection

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

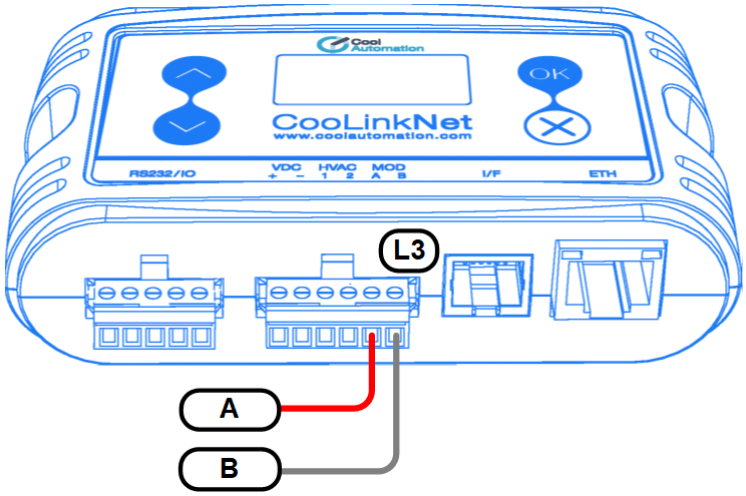
In BACnet MS/TP mode physical connection to the CoolAutomation devices is implemented over “Two-Wire” electrical interface in accordance to EIA/TIA-485 standard. Connection is made via 485-A and 485-B terminals. Ground wire connection is not mandatory but highly recommended.

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 flowing lines: L4, L5, L6, L7 lines. Using line L3 in CooLinkNet/CooLinkHub/CooLinkBridge for BACnet MS/TP is mandatory.

CoolMasterNet BACnet MS/TP activation:

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

CooLinkNet/CooLinkHub/CooLinkBridge 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
```

CooLinkNet/CooLinkHub/CooLinkBridge:

```
>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 Identifyer.

UID is a string in format **Ln.XYY**. For Example:
L1.102 - Indoor Unit 102 on line L1
L2.003 - Indoor Unit 003 on line L2
List of UID's detected (visible) by CoolAutomation device can be retrieved with **ls** command.

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

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

```
>va auto
OK
```

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

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

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

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

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

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

To delete all allocated VA's:

```
>va delall
OK
```

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

```
>va - 0004
OK
```

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

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

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

<table>
<tr><th colspan="32">Object Identifyer bits</th></tr>
<tr><td>31</td><td>30</td><td>29</td><td>28</td><td>27</td><td>26</td><td>25</td><td>24</td><td>23</td><td>22</td><td>21</td><td>20</td><td>19</td><td>18</td><td>17</td><td>16</td><td>15</td><td>14</td><td>13</td><td>12</td><td>11</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>0</td></tr>
<tr><td colspan="10" rowspan="2">Type</td><td colspan="22">Instance Number</td></tr>
<tr><td colspan="14">VA</td><td colspan="8">Index</td></tr>
</table>

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 (31 22 / 21 8 / 7 0)			Object Description
Type	Instance VA	Instance Index	
AI		00	Room Temperature
AI		01	Reserved For Samsung Hydrobox: Water Out 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 (Daikin:T1T2, Samsung:MIM-B14)
BI		03	Fan rotation status
BV		00	ON/OFF
BV		01	Filter Sign
BV		02	Lock ON/OFF change from WRC
BV		03	Lock Operation Mode change from WRC
BV		04	Lock Set Temperature change from WRC
BV		05	Global Lock
BV		06	Forced Therm OFF
BV		07	Prohibit external ON/OFF change
BV		08	Prohibit external Operation Mode change
BV		09	Prohibit external Set Temperature change
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 5 - Horizontal 2 - 30 deg 3 - 45 deg 4 - 60 deg 6 - Auto (Swing) 7 - Off 8 - No Louver Control
MV		03	Mode2: 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

Notes:
1. "Object Name" property for some objects may contain the "(NA)" ending. For example: "lock (NA)". This is made to notify that this specific object is not implemented for the given Indoor Unit.
2. Functionality of Lock BV objects is implemented inside the Indoor Unit (and may not be supported), while Prohibit BV objects are fully implemented inside the CoolAutomation Device.

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

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

- **VRV4S3, VRVX, VRV4-EU, VRV4Q-EU (RXYQQ8-20T7Y1B)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor System Type Name
PIV		01	AirNet	AirNet Addr.
PIV		02	SysHP	System HP [hp]
AI		03	SysCur	System Current x 0.1 [A]
AI		04	TrgtEvT	Target Evaporation T x 0.1 [°C]

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
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	OilRtrn	Oil return
PIV		16	DmndState	Demand state
PIV		17	OpCtlMod	Operation control mode
AI		18	TstatOnCap	I/U thermostat ON capacity x 0.1

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

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
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	OilRtrn	Oil return
PIV		16	DmndState	Demand state
PIV		17	OpCtlMod	Operation control mode
AI		18	TstatOnCap	I/U thermostat ON capacity x 0.1

- **MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)**

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

- **VRV-K(RSEYP8-10KJ)**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor System Type Name
PIV		01	AirNet	AirNet Addr.
CSV		02	ErrCode	Error code
IV		03	AmbT	Ambient temperature [°C]
IV		04	HexT1	Heat exchanger temp. 1 [°C]
IV		05	HexT2	Heat exchanger temp. 2 [°C]
PIV		06	DschTInv	Disch. temp.(INV) [°C]
PIV		07	DschTStd	Disch. temp.(STD) [°C]
IV		08	SuctPipT1	Suction pipe temp. 1 [°C]
IV		09	SuctPipT2	Suction pipe temp. 2 [°C]
IV		10	OiT	Oil temp. [°C]
AI		11	EvT	Evaporating Temperature [°C]
AI		12	CndT	Condensing Temperature [°C]
PIV		13	InvFrq	Inverter frequency [Hz]
PIV		14	InvCur	Inverter current [A]
PIV		15	InvT	Inverter temp. [°C]
PIV		16	EVOp1	EV opening 1 [pls]
PIV		17	EVOp2	EV opening 2 [pls]
BI		18	Cool	Cooling
BI		19	Heat	Heating
BI		20	Vent	Ventilation
BI		21	CoolHeatPrll	Cool/Heat parallel ope.
BI		22	TstatOn	Thermostat ON
BI		23	ResrtStby	Restart stand-by
BI		24	Dfrst	Defrost
BI		25	SoftStrt	Soft start
BI		26	OiRtrn	Oil return
BI		27	OiEqOp	Oil equalizing ope.
BI		28	Comp1Inv	Compressor1(INV)
BI		29	Comp2Std	Compressor2(STD)
BI		30	BypEq	Bypass for equalizer
BI		31	HotGasByp	Hot gas bypass
BI		32	Inject1	Injection 1
BI		33	Inject2	Injection 2
BI		34	DschGas	Disch. gas
BI		35	LiqP	Liquid pres.
BI		36	4WayVlv1	4WayVlv1
BI		37	4WayVlv2	4-way valve 2

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
BI		38		HiPRtry	High pressure retry
BI		39		LoPRtry	Low pressure retry
BI		40		DschPipRtry	Disch. pipe retry
BI		41		InvStby	INV stand-by
BI		42		HiPDroCtl	High pres. drooping cntl.
BI		43		LoPDroCtl	Low pres. drooping cntl.
BI		44		DschDroCtl	Disch. pipe drooping cntl.
BI		45		InvCurDroCtl	INV current drooping cntl.
BI		46		Fan1H	FAN-1H
BI		47		Fan1L	FAN-1L
BI		48		Fan2	FAN-2

- **VRV_PLUS(RSEYP16-30KJY1)**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor System Type Name
PIV		01		AirNet	AirNet Addr.
CSV		02		ErrCode	Error code
IV		03		AmbT	Ambient temperature [°C]
PIV		04		DschTInv	Disch. temp.(INV) [°C]
PIV		05		DschTStd1	Disch. temp.(STD1) [°C]
PIV		06		DschTStd2	Disch. temp.(STD2) [°C]
IV		07		SuctT	Suction Temperature [°C]
IV		08		EvT	Evaporating Temperature [°C]
IV		09		CndT	Condensing Temperature [°C]
PIV		10		InvFrq	Inverter frequency [Hz]
PIV		11		InvCur	Inverter current [A]
PIV		12		InvT	Inverter temp. [°C]
PIV		13		EVOp1	EV opening 1 [pls]
PIV		14		EVOp2	EV opening 2 [pls]
BI		15		Cool	Cooling
BI		16		Heat	Heating
BI		17		Vent	Ventilation
BI		18		CoolHeatPrll	Cool/Heat parallel ope.
BI		19		TstatOn	Thermostat ON
BI		20		ResrtStby	Restart stand-by
BI		21		Dfrst	Defrost
BI		22		SoftStrt	Soft start
BI		23		OiRtrn	Oil return
BI		24		OiEqOp	Oil equalizing ope.
BI		25		CcH	CcH
BI		26		AuxCond	AuxCond
BI		27		Rcvr	Rcvr
BI		28		Comp1Inv	Compressor1(INV)
BI		29		Comp2Std1	Compressor2(STD1)
BI		30		Comp3Std2	Compressor3(STD2)
BI		31		HotGasByp	Hot gas bypass
BI		32		InjctInv	InjctInv
BI		33		InjctStd1	InjctStd1
BI		34		InjctStd2	InjctStd2
BI		35		LiqP	Liquid pres.
BI		36		4WayVlv1	4WayVlv1
BI		37		4WayVlv2	4-way valve 2
BI		38		4WayVlv3	4WayVlv3

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		39	HiPRtry	High pressure retry
BI		40	LoPRtry	Low pressure retry
BI		41	DschPipRtry	Disch. pipe retry
BI		42	InvStby	INV stand-by
BI		43	HiPDroCtl	High pres. drooping cntl.
BI		44	LoPDroCtl	Low pres. drooping cntl.
BI		45	DschDroCtl	Disch. pipe drooping cntl.
BI		46	InvCurDroCtl	INV current drooping cntl.
BI		47	Fan11L	Fan11L
BI		48	Fan11H	Fan11H
BI		49	Fan12	Fan12
BI		50	Fan21	Fan21
BI		51	Fan22	Fan22
BI		52	Fan3	Fan3
BI		53	Fan4	Fan4
BI		54	HtOvld1	HtOvld1
BI		55	HtOvld1	HtOvld1
BI		56	HtOvld1	HtOvld1
BI		57	HtOvld1	HtOvld1
BI		58	ClLwAmbT1	ClLwAmbT1
BI		59	ClLwAmbT1	ClLwAmbT1
BI		60	ClLwAmbT1	ClLwAmbT1
BI		61	ClLwAmbT1	ClLwAmbT1
IV		62	Cil1T	Cil1T
IV		63	Cil2T	Cil2T
IV		64	Cil3T	Cil3T
IV		65	Hdr1T	Hdr1T
IV		66	Hdr2T	Hdr2T
IV		67	Hdr3T	Hdr3T
IV		68	LiqT	LiqT
PIV		69	HP	HP [hp]

- **VRV-M(REYQ8-48M)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor System Type Name
PIV		01	AirNet	AirNet Addr.
PIV		02	SysHP	System HP [hp]
AI		03	SysCur	System Current 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

- **VRV6-R/RX(F) (REYP*F,REUP*F), VRV6-R/RX(F) (REYQ8-60BY)**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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	OilRtrn	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), VRV-5R(REYQ**TAY1), VRV-4R, VRV5-A/X (RXYP140-1500D), VRV5C-DIT(RXQ12AYM), VRV5-Q/QX (RQYP140-1180D)**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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	OilRtrn	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, VRV3C, VRV-3W-WATER(RWEYQ8-30P), VRV3C2-WATER(RWEYP***PCTJ), VRV-3Wx-WATER(RWEYQ8-30P), VRV-4W-WATER(RWEYQ8-10T7Y1B), ALT-MG(EMRQ8-16AAY1)**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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-up3b (RXUP280-1000B), VRV-3B**

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	OilRtrn	Oil return
PIV		16	DmndState	Demand state
PIV		17	OpCtlMod	Operation control mode
AI		18	TstatOnCap	I/U thermostat ON capacity x 0.1
AI		19	PwrCons	Outdoor unit power consumption x 0.1 [kW]
AI		20	CoolCap	Outdoor unit cooling capacity x 0.1 [kW]
AI		21	HeatCap	Outdoor unit heating capacity x 0.1 [kW]

- **VRV-2-WATER(RWEYQ10-30MY1)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor System Type Name
PIV		01	AirNet	AirNet Addr.
PIV		02	SysHP	System HP [hp]
AI		03	SysCur	System Current 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 31 22	21 8	7 0	Short Name	Object Description
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
PIV		14	OpCtlMod	Operation control mode

- **VRV-4W3-WATER(RWEYQ8-14T9Y1B)**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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	Fan	FAN
BI		08	Heat	Heating
BI		09	Cool	Cooling
BI		10	TstatOn	Thermostat ON
BI		11	ResrtStby	Restart stand-by
BI		12	BkpOp	Backup ope.
PIV		13	DmndState	Demand state
BI		14	Bypass1	1-Y2S:Bypass
BI		15	InltMixUn1	1-Y4S:Inlet Of Mixing Unit
BI		16	LiqLvlRsvr1	1-Y7S:Liquid Level Of Receiver
BI		17	OutlOilReg1	1-Y9S:Outlet Of Oil Regulator
BI		18	BypElExpVlv1	1-Y10S:Bypass Of Main Electronic Expansion Valve
BI		19	GasPrgRfrgReg1	1-Y11S:Gas Purge Of Refrigerant Regulator

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
BI		20		SupReqRfrgReg1	1-Y12S:Supply Requid Into Refrigerant Regulator
BI		21		SupGasRefReg1	1-Y13S: Supply Gas Into Refrigerant Regulator
BI		22		ToReqRefReg1	1-Y14S:Take Out Requid From Refrigerant Regulator
BI		23		Bypass2	2-Y2S:Bypass
BI		24		InltMixUn2	2-Y4S:Inlet Of Mixing Unit
BI		25		LiqLvlRsvr2	2-Y7S:Liquid Level Of Receiver
BI		26		OutlOilReg2	2-Y9S:Outlet Of Oil Regulator
BI		27		BypElExpVlv2	2-Y10S:Bypass Of Main Electronic Expansion Valve
BI		28		GasPrgRfrgReg2	2-Y11S:Gas Purge Of Refrigerant Regulator
BI		29		SupReqRfrgReg2	2-Y12S:Supply Requid Into Refrigerant Regulator
BI		30		SupGasRefReg2	2-Y13S: Supply Gas Into Refrigerant Regulator
BI		31		ToReqRefReg2	2-Y14S:Take Out Requid From Refrigerant Regulator

3.2.1.3 DK PRO Outdoor Units

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00		AirNet	AirNet Addr.
PIV		01		HP	HP [hp]
IV		02		AmbT	Ambient temperature [°C]
IV		03		SuctT	Suction Temperature [°C]
IV		04		EvT	Evaporating Temperature [°C]
IV		05		CndT	Condensing Temperature [°C]
PIV		06		InvRS	Inverter Revolution Speed [rps]
PIV		07		EVOp1	EV opening 1 [pls]
PIV		08		EVOp2	EV opening 2 [pls]
PIV		09		CTSTD1	CT1 (STD1) [A]
PIV		10		CTSTD2	CT2 (STD2) [A]
PIV		11		FanStp	Fan step
IV		12		CoilT	R4T :Coil temp. [°C]
IV		13		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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
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		Inject	Injection
BI		40		Dfrst	Defrost
BI		41		HiPStpDnCtl	H.P. stepping down cntl
BI		42		LoPStpDnCtl	L.P. stepping down cntl
BI		43		DmndStpDnCtl	Demand stepping down cntl
BI		44		InvRtry	INV retry
BI		45		InvDschStpDnCtl	INV Disch. stepping down cntl
BI		46		InvOCStpDnCtl	INV OC stepping down cntl
BI		47		InvFinStpDnCtl	INV Fin stepping down cntl
BI		48		Std1DschStpDnCtl	STD1 Disch. stepping down cntl
BI		49		Std1OCStpDnCtl	STD1 OC stepping down cntl
BI		50		Std2DschStpDnCtl	STD2 Disch. stepping down cntl
BI		51		Std2OCStpDnCtl	STD2 OC stepping down cntl

- **VRV4S3, VRVX, VRV4-EU, VRV4Q-EU (RXYQQ8-20T7Y1B)**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00		AirNet	AirNet Addr.
PIV		01		HP	HP [hp]
PIV		02		Inv1RotAmnt	INV 1 rotation amount [rps]
PIV		03		Inv2RotAmnt	INV 2 rotation amount [rps]
PIV		04		Fan1RotAmnt	Fan 1 rotation amount [rpm]
PIV		05		Fan2RotAmnt	Fan 2 rotation amount [rpm]
PIV		06		FanStp	Fan step
PIV		07		EVOp1	EV opening 1 [pls]
PIV		08		EVOp2	EV opening 2 [pls]
PIV		09		EVOp3	EV opening 3 [pls]
BI		10		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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
BI		33	Comp1OCStpDnCtl	Comp.1 OC stepping down cntl
BI		34	Comp2OCStpDnCtl	Comp.2 OC stepping down cntl
BI		35	Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI		36	Inv2FinStpDnCtl	INV2 Fin stepping down cntl

- **VRV4S3, VRVX, VRV4-EU, VRV4Q-EU (RXYQQ8-20T7Y1B)**

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

- **VRV6HP(RXYQ8-60BYM)**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		00	AirNet	AirNet Addr.
PIV		01	HP	HP [hp]
PIV		02	Inv1RotAmnt	INV 1 rotation amount [rps]
PIV		03	Inv2RotAmnt	INV 2 rotation amount [rps]
PIV		04	FanStp	Fan step
BI		05	CompInv1	Compressor 1(INV1)
BI		06	CompInv2	Compressor 2(INV2)
BI		07	CcH1	CH1:Crankcase Heater
BI		08	CcH2	CH2:Crankcase Heater
BI		09	4WayVlv	4 way valve
BI		10	OiRtrn1	Oil return 1
BI		11	AccOiRtrn	Accumulator oil return
BI		12	OiRtrn2	Oil return 2
BI		13	ErrState	Unit Error stat
AI		14	HexMain	HexMain
AI		15	HexLeft	HexLeft
AI		16	ScHex	ScHex
AI		17	RfrgCoolIPM	RfrgCoolIPM
AI		18	RfrgCoolAir	RfrgCoolAir
AI		19	RfrgAutoCh	RfrgAutoCh
AI		20	InvFanSecCur	INV fan secondary current [A]
BI		21	Inject	Injection
BI		22	HotGasByp	Hot gas bypass

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

- **VRV6HP(RXYQ8-60BYM)**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
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	HexLiqTRight	HexLiqTRight
IV		07	HexLiqTLeft	HexLiqTLeft
IV		08	HexGasTRight	HexGasTRight
IV		09	HexGasTLeft	HexGasTLeft
IV		10	HexDeiTRight	HexDeiTRight
IV		11	HexDeiTLeft	HexDeiTLeft
IV		12	ScGasT	ScGasT
AI		13	ScLiqT	ScLiqT
IV		14	ScInjctT	ScInjctT
IV		15	BoxAirT	BoxAirT
IV		16	BoxAirOutlT	BoxAirOutlT
IV		17	SuctBAccT	SuctBAccT
PIV		18	Inv1BodyT	INV1 comp. body temp [°C]
PIV		19	Inv2BodyT	INV2 comp. body temp [°C]

- **MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
PIV		00	AirNet	AirNet Addr.
PIV		01	HP	HP [hp]
PIV		02	Inv1RotAmnt	INV 1 rotation amount [rps]
PIV		03	FanStp	Fan step
AI		04	EVM	EV (Main) x 0.1 [%]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
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		OHStby	Overheating stand-by
BI		14		Inv1Stby	INV1 stand-by
BI		15		HiPStpDnCtl	H.P. stepping down cntl
BI		16		LoPStpDnCtl	L.P. stepping down cntl
BI		17		DmndStpDnCtl	Demand stepping down cntl
BI		18		Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl
BI		19		Comp1InvStpDnCtl	Comp.1 INV stepping down cntl
BI		20		Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI		21		DschPipStby	Disch. pipe stand-by
BI		22		LkSensOutp	Leak sensor output
AI		23		Comp1Cur	Comp.1 current [A]
IV		24		Inv1FinT	INV1 fin temp. [°C]
AI		25		InvFanSecCur	INV fan secondary current [A]
AI		26		InvPredCur	INV predicted current [A]

- **MiniVRV5S-EU(RXYSA-A7V1B,A7Y1B)**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00		AirNet	AirNet Addr.
IV		01		AmbT	Ambient temperature [°C]
PIV		02		DschTInv1	Discharge pipe temp.(INV1) [°C]
AI		03		EvT	Evaporating temp 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, VRV-M**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00		AirNet	AirNet Addr.
PIV		01		HP	HP [hp]
IV		02		AmbT	Ambient temperature [°C]
IV		03		SuctT	Suction Temperature [°C]
IV		04		EvT	Evaporating Temperature [°C]
IV		05		CndT	Condensing Temperature [°C]
PIV		06		EVOp1	EV opening 1 [pls]
PIV		07		EVOp2	EV opening 2 [pls]
PIV		08		CTSTD1	CT1 (STD1) [A]
PIV		09		CTSTD2	CT2 (STD2) [A]
PIV		10		FanStp	Fan step
IV		11		CoilT	R4T :Coil temp. [°C]
IV		12		ScCilExtT	Subcooling Coil exit Temp. [°C]

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

- **VRV-M(REYQ8-48M)**

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		08	EVOp3	EV opening 3 [pls]	
PIV		09	CTSTD1	CT1 (STD1) [A]	
PIV		10	CTSTD2	CT2 (STD2) [A]	
PIV		11	FanStp	Fan step	
IV		12	CoilT	R4T :Coil temp. [°C]	
IV		13	ScCilExtT	Subcooling Coil exit Temp. [°C]	
PIV		14	DschTInv	Disch. temp.(INV) [°C]	
PIV		15	DschTStd1	Disch. temp.(STD1) [°C]	
PIV		16	DschTStd2	Disch. temp.(STD2) [°C]	
IV		17	RcvrLiqT	Receiver Liquid Temp. [°C]	
PIV		18	InvT	Inverter temp. [°C]	
PIV		19	InvCur	Inverter current [A]	
PIV		20	InvFanCur	INV FAN current [A]	
BI		21	Comp1Inv	Compressor1(INV)	
BI		22	Comp2Std1	Compressor2(STD1)	
BI		23	Comp3Std2	Compressor3(STD2)	
BI		24	OiRtrn	Oil return	
BI		25	HotGas	Hot Gas	
BI		26	CcH1	CH1:Crankcase Heater	
BI		27	CcH2	CH2:Crankcase Heater	
BI		28	CcH3	CH3:Crankcase Heater	
BI		29	SoftStrt	Soft start	
BI		30	ResrtStby	Restart stand-by	
BI		31	MulOi	Multi oil	
BI		32	ErrState	Unit Error stat	
BI		33	EnrgyCutOutp	Energy cut output	
BI		34	HiPRtry	High pressure retry	
BI		35	LoPRtry	Low pressure retry	
BI		36	DschPipRtry	Disch. pipe retry	
BI		37	4WayVlv1	4WayVlv1	
BI		38	4WayVlv2	4-way valve 2	
BI		39	Dfrst	Defrost	
BI		40	HiPDroCtl	High pres. drooping cntl.	
BI		41	LoPDroCtl	Low pres. drooping cntl.	
BI		42	InvDschDroCtl	INV Disch. pipe drooping cntl.	
BI		43	InvCurDroCtl	INV current drooping cntl.	
BI		44	InvFinDroCtl	INV fin drooping cntl.	
BI		45	Std1DschDroCtl	Std1DschDroCtl	
BI		46	Std1OCDroCtl	Std1OCDroCtl	
BI		47	Std2DschDroCtl	Std2DschDroCtl	
BI		48	Std2OCDroCtl	Std2OCDroCtl	
BI		49	InvStby	INV stand-by	
BI		50	RcvrGasIn	SVL:Receiver gas in	
BI		51	RcvrGasOut	SVG:Receiver gas out	
BI		52	StpUnGasOut	SVSG:StopUnit Gas out	
BI		53	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close	
BI		54	HiPRduVlv	Y7S:High pressure reducing valve	
IV		55	OiPEqT	Oil Pres. equalizer Temp. [°C]	
PIV		56	InvFrq	Inverter frequency [Hz]	
IV		57	CilGas1T	R81T:Coil gas 1 temp. [°C]	
IV		58	CilGas2T	R81T:Coil gas 2 temp. [°C]	

- **VRV6-R/RX(F) (REYP*F,REUP*F)**

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
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 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
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	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	AccInltT	Accumulator inlet temp. [°C]
IV		16	RcvrInltT	Receiver inlet temp. [°C]

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

- **VRV6-R/RX(F) (REYQ8-60BY)**

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	HexUprRight	HexUprRight
AI		06	HexLoRight	HexLoRight
AI		07	ScHex	ScHex
AI		08	RcvrGasPrg	RcvrGasPrg
AI		09	HexLeft	HexLeft
AI		10	RfrgCoolIPM	RfrgCoolIPM
AI		11	RfrgCoolAir	RfrgCoolAir
AI		12	RfrgAutoCh	RfrgAutoCh
BI		13	CompInv1	Compressor 1(INV1)
BI		14	CompInv2	Compressor 2(INV2)
BI		15	CcH1	CH1:Crankcase Heater
BI		16	CcH2	CH2:Crankcase Heater
BI		17	4WayVlvHiLoP	4 way valve (HP/LP gas pipe)
BI		18	OiRtrn1	Oil return 1
BI		19	AccOiRtrn	Accumulator oil return
BI		20	OiRtrn2	Oil return 2
BI		21	4WayVlvAdd	4 way valve (additional heat exchanger)
BI		22	ErrState	Unit Error stat
BI		23	4WayVlvUpr	4-way valve(upper heat exchanger)
BI		24	4WayVlvUndr	4-way valve(under heat exchanger)
BI		25	LiqShOff	Liquid pipe shutoff/cutoff
BI		26	HiPRtry	High pressure retry
BI		27	LoPRtry	Low pressure retry
BI		28	DschPipRtry	Disch. pipe retry
BI		29	OHStby	Overheating stand-by
BI		30	Inv1Stby	INV1 stand-by
BI		31	Inv2Stby	INV2 stand-by
BI		32	HiPStpDnCtl	H.P. stepping down cntl
BI		33	LoPStpDnCtl	L.P. stepping down cntl
BI		34	DmndStpDnCtl	Demand stepping down cntl
BI		35	Comp1DschStpDnCtl	Comp.1 Disch. stepping down cntl
BI		36	Comp2DschStpDnCtl	Comp.2 Disch. stepping down cntl
BI		37	Comp1InvStpDnCtl	Comp.1 INV stepping down cntl
BI		38	Comp2InvStpDnCtl	Comp.2 INV stepping down cntl
BI		39	Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI		40	Inv2FinStpDnCtl	INV2 Fin stepping down cntl
BI		41	Injct	Injection
BI		42	RfrgAdj	RfrgAdj
AI		43	Comp1Cur	Comp.1 current [A]
AI		44	Comp2Cur	Comp.2 current [A]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
AI		45	InvFanSecCur	INV fan secondary current [A]
IV		46	Inv1T	INV1 temperatute [°C]
IV		47	Inv2T	INV2 temperatute [°C]

- **VRV6-R/RX(F) (REYQ8-60BY)**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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]
IV		06	HexGasT1	Heat exchanger gas pipe temp. 1 [°C]
IV		07	HexGasTRight	HexGasTRight
IV		08	HexGasTLeft	HexGasTLeft
IV		09	HexLiqTUprRight	HexLiqTUprRight
IV		10	HexLiqTLoRight	HexLiqTLoRight
IV		11	HexLiqTLeft	HexLiqTLeft
IV		12	ScGasT	ScGasT
AI		13	ScLiqT	ScLiqT
AI		14	SuctT	Suction Temperature x 0.1 [°C]
PIV		15	Comp1SrfT	Compressor 1 surface temp. [°C]
PIV		16	Comp2SrfT	Compressor 2 surface temp. [°C]
IV		17	RcvrInltT	Receiver inlet temp. [°C]
IV		18	RcvrGasPrgT	Receiver gas purge temp. [°C]
IV		19	ScInjctT	ScInjctT
IV		20	AccInltT	Accumulator inlet temp. [°C]
IV		21	HexDeiTRight	HexDeiTRight
IV		22	HexDeiTLeft	HexDeiTLeft
IV		23	BoxAirT	BoxAirT
IV		24	BoxAirOutlT	BoxAirOutlT

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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 refrigant) [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

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
BI	16		CcH2	CH2:Crankcase Heater
BI	17		4WayVlv	4 way valve
BI	18		OilRtrn1	Oil return 1
BI	19		OilRtrn2	Oil return 2
BI	20		ErrState	Unit Error stat
BI	21		4WayVlvUpr	4-way valve(upper heat exchanger)
BI	22		4WayVlvUndr	4-way valve(under heat exchanger)
BI	23		SolVlv	Sol. valve(shutoff liquid pipe)
BI	24		DrnPanHtr	Drain pan heater
BI	25		EnrgyCutOutp	Energy cut output
BI	26		HiPRtry	High pressure retry
BI	27		LoPRtry	Low pressure retry
BI	28		DschPipRtry	Disch. pipe retry
BI	29		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), VRV-5R(REYQ**TAY1), VRV-4R**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
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		HexGasTUpr	Heat exchanger gas pipe temp.(upper) [°C]
IV	09		HexGasTLo	Heat exchanger gas pipe temp.(low) [°C]
IV	10		HexLiqTUpr	Heat exchanger liquid pipe temp.(upper) [°C]
IV	11		HexLiqTLo	Heat exchanger liquid pipe temp.(low) [°C]
IV	12		ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV	13		ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
IV	14		SuctT	Suction Temperature [°C]
IV	15		CompSuctPipT	Comp. suction pipe temp. [°C]
PIV	16		CompSrfT	Compressor surface temp. [°C]
IV	17		RcvrInltT	Receiver inlet temp. [°C]
IV	18		RcvrGasPrgT	Receiver gas purge temp. [°C]
PIV	19		Comp1Cur	Comp.1 current [A]
PIV	20		Comp2Cur	Comp.2 current [A]
IV	21		Inv1FinT	INV1 fin temp. [°C]
IV	22		Inv2FinT	INV2 fin temp. [°C]
PIV	23		InvFanCur	INV FAN current [A]

- **VRV-3R, VRV3C, ALT-MG(EMRQ8-16AAY1)**

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

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

- **VRV5-A/X (RXYP140-1500D)**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
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	EVClRfrg	EVClRfrg
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 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
PIV		00	AirNet	AirNet Addr.
IV		01	AmbT	Ambient temperature [°C]
PIV		02	DschTInv1	Discharge pipe temp.(INV1) [°C]
IV		03	EvT	Evaporating Temperature [°C]
IV		04	CndT	Condensing Temperature [°C]
IV		05	HexT	Heat exchanger temp. [°C]
IV		06	HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV		07	ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV		08	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
PIV		09	CompSrfT	Compressor surface temp. [°C]
IV		10	AccInltT	Accumulator inlet temp. [°C]
PIV		11	Inv1Cur	Inv1Cur
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		Inject	Injection
BI		22		DschByp	Discharge bypass
BI		23		InvRtry	INV retry
BI		24		Rtry	Retry
AI		25		Comp1Cur	Comp.1 current [A]
AI		26		Comp2Cur	Comp.2 current [A]
IV		27		Inv1T	INV1 temperatute [°C]
IV		28		Inv2T	INV2 temperatute [°C]

- **VRV6-A/X(F) (RXYP224-1500F)**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00		AirNet	AirNet Addr.
IV		01		AmbT	Ambient temperature [°C]
PIV		02		DschTComp1	Discharge pipe temp.(Comp.1) [°C]
PIV		03		DschTComp2	Discharge pipe temp.(Comp.2) [°C]
AI		04		EvT	Evaporating temp 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-2MA**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00	AirNet	AirNet Addr.
PIV		01	HP	HP [hp]
IV		02	SuctT	Suction Temperature [°C]
PIV		03	EVOp1	EV opening 1 [pls]
PIV		04	EVOp2	EV opening 2 [pls]
PIV		05	DschTInv	Disch. temp.(INV) [°C]
PIV		06	InvT	Inverter temp. [°C]
PIV		07	InvCur	Inverter current [A]
BI		08	Comp1Inv	Compressor1(INV)
BI		09	Comp2Std1	Compressor2(STD1)
BI		10	Comp3Std2	Compressor3(STD2)
BI		11	OiRtrn	Oil return
BI		12	HotGas	Hot Gas
BI		13	CcH1	CH1:Crankcase Heater
BI		14	CcH2	CH2:Crankcase Heater
BI		15	CcH3	CH3:Crankcase Heater
BI		16	ResrtStby	Restart stand-by
BI		17	MulOi	Multi oil
BI		18	ErrState	Unit Error stat
BI		19	EnrgyCutOutp	Energy cut output
BI		20	HiPRtry	High pressure retry
BI		21	LoPRtry	Low pressure retry
BI		22	DschPipRtry	Disch. pipe retry
BI		23	4WayMv	4 way valve
BI		24	4WayMv2	4-way valve 2
BI		25	Inject	Injection
BI		26	Dfrst	Defrost
BI		27	HiPDroCtl	High pres. drooping cntl.
BI		28	LoPDroCtl	Low pres. drooping cntl.
BI		29	InvDschDroCtl	INV Disch. pipe drooping cntl.
BI		30	InvCurDroCtl	INV current drooping cntl.
BI		31	InvFinDroCtl	INV fin drooping cntl.
BI		32	Std1DschDroCtl	Std1DschDroCtl
BI		33	Std1OCDroCtl	Std1OCDroCtl
BI		34	Std2DschDroCtl	Std2DschDroCtl
BI		35	Std2OCDroCtl	Std2OCDroCtl
IV		36	CoilT	R4T :Coil temp. [°C]
IV		37	ScCilExtT	Subcooling Coil exit Temp. [°C]
IV		38	RcvrLiqT	Receiver Liquid Temp. [°C]
PIV		39	InvFrq	Inverter frequency [Hz]
BI		40	InvStby	INV stand-by
BI		41	RcvrGasOut	SVG:Receiver gas out
BI		42	StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close
IV		43	AmbT	Ambient temperature [°C]
PIV		44	DschTStd1	Disch. temp.(STD1) [°C]
PIV		45	DschTStd2	Disch. temp.(STD2) [°C]
IV		46	CndT	Condensing Temperature [°C]
IV		47	EvT	Evaporating Temperature [°C]
PIV		48	EVOp	EV opening [pls]
PIV		49	CTSTD1	CT1 (STD1) [A]
PIV		50	CTSTD2	CT2 (STD2) [A]
PIV		51	InvFanCur	INV FAN current [A]
PIV		52	FanStp	Fan step
IV		53	CilGasMnT	Main coil gas temp [°C]
IV		54	CilGasSbT	Sub coil gas temp [°C]

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

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

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

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

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

- **VRV5C-DIT(RXQ12AYM)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		00	AirNet	AirNet Addr.
IV		01	AmbT	Ambient temperature [°C]
PIV		02	DschTComp1	Discharge pipe temp.(Comp.1) [°C]
IV		03	DschTComp2	Discharge pipe temp.(Comp.2) [°C]
IV		04	EvT	Evaporating Temperature [°C]
IV		05	CndT	Condensing Temperature [°C]
IV		06	HexLiqT	Heat exchanger liquid pipe temp. [°C]
IV		07	ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV		08	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
IV		09	CompSuctPipT	Comp. suction pipe temp. [°C]
PIV		10	Comp1Cur	Comp.1 current [A]

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

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00	AirNet	AirNet Addr.
PIV		01	HP	HP [hp]
IV		02	SuctT	Suction Temperature [°C]
PIV		03	EVOp1	EV opening 1 [pls]
PIV		04	EVOp3	EV opening 3 [pls]
PIV		05	DschTInv	Disch. temp.(INV) [°C]
PIV		06	InvFinT	Inverter fin temp. [°C]
PIV		07	InvCur	Inverter current [A]
BI		08	Comp1Inv	Compressor1(INV)
BI		09	OilRtrn	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		00	AirNet	AirNet Addr.
PIV		01	HP	HP [hp]
IV		02	AmbT	Ambient temperature [°C]
IV		03	EvT	Evaporating Temperature [°C]
IV		04	CndT	Condensing Temperature [°C]
PIV		05	InvRotAmnt	Inverter Rotation Amount [rps]
PIV		06	EVMnLiq	Expansion valve main liquid [pls]
PIV		07	EVSc	Expansion valve sub-cool [pls]
PIV		08	EVPrg	Expansion valve purge [pls]
PIV		09	DschTInv	Disch. temp.(INV) [°C]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
IV		10	AccInltT	Accumulator Inlet Temp VRV3 [°C]
IV		11	RcvrLiqT	Receiver Liquid Temp. [°C]
PIV		12	InvFinT	Inverter fin temp. [°C]
PIV		13	InvCur	Inverter current [A]
BI		14	Comp1Inv	Compressor1(INV)
BI		15	OilRtrn	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	OilRtrnAcc	Oil return accumulator
BI		36	GasScPrg	Gas SC and purge
BI		37	MainLiq	Main liquid
BI		38	OilRtrnLiqPHE	Liquid oil return PHE
BI		39	OilRtrnHotGas	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 [%]

- **VRV5-Q/QX (RQYP140-1180D)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		00	AirNet	AirNet Addr.
PIV		01	HP	HP [hp]
PIV		02	Inv1RotAmnt	INV 1 rotation amount [rps]
PIV		03	Fan1RotAmnt	Fan 1 rotation amount [rpm]
PIV		04	Fan2RotAmnt	Fan 2 rotation amount [rpm]
PIV		05	FanStp	Fan step
PIV		06	EVOp1	EV opening 1 [pls]
PIV		07	EVOp2	EV opening 2 [pls]
PIV		08	EVOp3	EV opening 3 [pls]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		09		EVOp4	EV4 pls.(receiver gas purge) [pls]
BI		10		CompInv1	Compressor 1(INV1)
BI		11		CcH1	CH1:Crankcase Heater
BI		12		4WayVlv	4 way valve
BI		13		OilRtrn1	Oil return 1
BI		14		AccOilRtrn	Accumulator oil return
BI		15		OilRtrn2	Oil return 2
BI		16		4WayVlvHeat	4 way valve(Heating)
BI		17		ErrState	Unit Error stat
BI		18		LiqShOff	Liquid pipe shutoff/cutoff
BI		19		HiPRtry	High pressure retry
BI		20		LoPRtry	Low pressure retry
BI		21		DschPipRtry	Disch. pipe retry
BI		22		OHStby	Overheating stand-by
BI		23		Inv1Stby	INV1 stand-by
BI		24		HiPStpDnCtl	H.P. stepping down cntl
BI		25		LoPStpDnCtl	L.P. stepping down cntl
BI		26		DmndStpDnCtl	Demand stepping down cntl
BI		27		Inv1DschStpDnCtl	Inv1 Disch. stepping down cntl
BI		28		Inv1OCStpDnCtl	Inv1OCStpDnCtl
BI		29		Inv1FinStpDnCtl	INV1 Fin stepping down cntl
BI		30		RfrgAdjHotGas	RfrgAdjHotGas
BI		31		OiAdjHotGas	OiAdjHotGas

- **VRV5-Q/QX (RQYP140-1180D)**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00		AirNet	AirNet Addr.
IV		01		AmbT	Ambient temperature [°C]
PIV		02		DschTComp1	Discharge pipe temp.(Comp.1) [°C]
IV		03		EvT	Evaporating temp x 0.1 [°C]
IV		04		CndT	Condensing temp x 0.1 [°C]
IV		05		SuctT	Suction Temperature [°C]
IV		06		HexT	Heat exchanger temp. [°C]
IV		07		HexLiqT1	HexLiqT1
IV		08		HexLiqT2	HexLiqT2
IV		09		ScHexGasT	Subcooling heat exchanger gas temp. [°C]
IV		10		ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
IV		11		AccInltT	Accumulator inlet temp. [°C]
PIV		12		CompSrfT	Compressor surface temp. [°C]
PIV		13		Comp1Cur	Comp.1 current [A]
IV		14		Inv1FinT	INV1 fin temp. [°C]
PIV		15		InvFanCur	INV FAN current [A]
IV		16		RfrgChT	RfrgChT

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		00		AirNet	AirNet Addr.
PIV		01		HP	HP [hp]
PIV		02		Inv1RotAmnt	INV 1 rotation amount [rps]
PIV		03		Inv2RotAmnt	INV 2 rotation amount [rps]

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

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

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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]
IV		20	EVMOutlLiqT	EVMOutlLiqT
IV		21	RfrgChT	RfrgChT

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		00	AirNet	AirNet Addr.
BI		01	ErrState	Unit Error stat
IV		02	AmbT	Ambient temperature [°C]
IV		03	RcvrLiqT	Receiver Liquid Temp. [°C]
PIV		04	DschTInv	Disch. temp.(INV) [°C]
PIV		05	DschTStd1	Disch. temp.(STD1) [°C]
PIV		06	DschTStd2	Disch. temp.(STD2) [°C]
IV		07	LiqPipRefReg	LIQUID_PIPE_TEMPERATURE_OF_REFRIGERANT_REGULATOR
IV		08	ScHexLiqT	Subcooling heat exchanger liquid temp. [°C]
IV		09	RcvrLiqT	Receiver Liquid Temp. [°C]
IV		10	EVLiqT	EV liquid pipe temp. [°C]
IV		11	SuctT	Suction Temperature [°C]
IV		12	HexT	Heat exchanger temp. [°C]
IV		13	HPrsGasTmp	H.Pres. gas Temp [°C]
IV		14	LPrsGasTmp	L.Pres. gas Temp [°C]
PIV		15	InvRS	Inverter Revolution Speed [rps]
PIV		16	InvCur	Inverter current [A]
PIV		17	InvFinT	Inverter fin temp. [°C]
PIV		18	EVOp1	EV opening 1 [pls]
PIV		19	EVOp2	EV opening 2 [pls]
PIV		20	CTSTD1	CT1 (STD1) [A]
PIV		21	CTSTD2	CT2 (STD2) [A]
PIV		22	InvFanCur	INV FAN current [A]
BI		23	Comp1Inv	Compressor1(INV)
BI		24	Comp2Std1	Compressor2(STD1)
BI		25	Comp3Std2	Compressor3(STD2)
BI		26	OilRtrn	Oil return
BI		27	HotGas	Hot Gas
BI		28	CcH1	CH1:Crankcase Heater
BI		29	CcH2	CH2:Crankcase Heater
BI		30	CcH3	CH3:Crankcase Heater
BI		31	ResrtStby	Restart stand-by
BI		32	EnrgyCutOutp	Energy cut output
BI		33	HiPRtry	High pressure retry
BI		34	LoPRtry	Low pressure retry
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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
BI		41		LoPStpDnCtl	L.P. stepping down cntl
BI		42		StrtupCtl	Startup control
BI		43		InvRtry	INV retry
BI		44		InvDschStpDnCtl	INV Disch. stepping down cntl
BI		45		InvCurDroCtl	INV current drooping cntl.
BI		46		InvFinStpDnCtl	INV Fin stepping down cntl
BI		47		Std1DschStpDnCtl	STD1 Disch. stepping down cntl
BI		48		Std1OCStpDnCtl	STD1 OC stepping down cntl
BI		49		Std2DschStpDnCtl	STD2 Disch. stepping down cntl
BI		50		Std2OCStpDnCtl	STD2 OC stepping down cntl
BI		51		StpUnLiqPipCls	SVSL:StopUnit Liquid pipe close
BI		52		RcvrGasOut	SVG:Receiver gas out
PIV		53		HP	HP [hp]

3.2.1.4 DK PRO Enumerated Parameters

- **Demand state (DmndState)**

Value	Description
0	OFF
1	DEMAND1
2	DEMAND2
3	DEMAND3

3.2.2 Gree GMV5

3.2.2.1 Gree GMV5 PRO Indoor Units

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

3.2.2.2 Gree GMV5 PRO Outdoor Units

- **GMV5C**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name
AI		01	RatedCap	Rated capacity x 0.1 [kW]
PIV		02	MsSl	Master-Slave status
PIV		03	GenVer	General protocol version
PIV		04	UnitVer	Unit protocol version
PIV		05	PwrTp	Power type
PIV		06	FanTp	Fan type
PIV		07	FanEmerg	Fan emergency status
IV		08	AmbT	Outdoor ambient temperature [°C]
PIV		09	Comp1OpFreq	Compressor 1 operation frequency [Hz]
PIV		10	Comp2OpFreq	Compressor 2 operation frequency [Hz]
PIV		11	Fan1OpFreq	Fan1 operation frequency [Hz]
PIV		12	Fan2OpFreq	Fan2 operation frequency [Hz]
IV		13	MdlHiPrs	Module high pressure [°C]
IV		14	MdlLoPrs	Module low pressure [°C]
IV		15	Comp1DisT	Compressor 1 discharge temperature [°C]
IV		16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]
IV		17	Comp2DisT	Compressor 2 discharge temperature [°C]
IV		18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]
IV		19	DfrsT1	Defrosting temperature 1 [°C]
IV		20	SbclLiqOutT	Subcooler liquid outlet temperature [°C]
IV		21	SbclGsOutT	Subcooler gas outlet temperature [°C]
IV		22	GsSepInTubT	Gas separator inlet tube temperature [°C]
IV		23	GsSepOutTubT	Gas separator outlet tube temperature [°C]
PIV		24	HtEXV	ODU heating EXV [Pls]
PIV		25	FanStcPrsMd	Outdoor fan static pressure mode
BI		26	Comp1	Compressor 1 status
BI		27	Comp2	Compressor 2 status
BI		28	4WayVlv1	4-way valve1 status
BI		29	LoPrsMsrVlv	Low pressure measure valve
AI		30	Comp1Cur	Compressor 1 current [A]
PIV		31	Comp1BsbV	Compressor 1 busbar voltage [V]
IV		32	Comp1MdlT	Compressor 1 module temperature [°C]
AI		33	Fan1Cur	Fan1 current [A]
PIV		34	Fan1BsbV	Fan1 busbar voltage [V]
IV		35	Fan1MdlT	Fan1 module temperature [°C]
AI		36	Comp2Cur	Comp2Cur
AI		37	Fan2Cur	Fan2 current [A]
PIV		38	Fan2BsbV	Fan2 busbar voltage [V]
IV		39	Fan2MdlT	Fan2 module temperature [°C]
PIV		40	SbclEXV	Subcooler EXV [Pls]

- **GMV5**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name
AI		01	RatedCap	Rated capacity x 0.1 [kW]
PIV		02	MsSl	Master-Slave status
PIV		03	GenVer	General protocol version
PIV		04	UnitVer	Unit protocol version
PIV		05	PwrTp	Power type
PIV		06	FanTp	Fan type
PIV		07	FanEmerg	Fan emergency status
IV		08	AmbT	Outdoor ambient temperature [°C]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		09	Comp1OpFreq	Compressor 1 operation frequency [Hz]
PIV		10	Comp2OpFreq	Compressor 2 operation frequency [Hz]
PIV		11	Fan1OpFreq	Fan1 operation frequency [Hz]
PIV		12	Fan2OpFreq	Fan2 operation frequency [Hz]
IV		13	MdlHiPrs	Module high pressure [°C]
IV		14	MdlLoPrs	Module low pressure [°C]
IV		15	Comp1DisT	Compressor 1 discharge temperature [°C]
IV		16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]
IV		17	Comp2DisT	Compressor 2 discharge temperature [°C]
IV		18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]
IV		19	DfrsT1	Defrosting temperature 1 [°C]
IV		20	SbclLiqOutT	Subcooler liquid outlet temperature [°C]
IV		21	SbclGsOutT	Subcooler gas outlet temperature [°C]
IV		22	GsSepInTubT	Gas separator inlet tube temperature [°C]
IV		23	GsSepOutTubT	Gas separator outlet tube temperature [°C]
PIV		24	HtEXV	ODU heating EXV [Pls]
PIV		25	FanStcPrsMd	Outdoor fan static pressure mode
BI		26	Comp1	Compressor 1 status
BI		27	Comp2	Compressor 2 status
BI		28	4WayVlv1	4-way valve1 status
BI		29	LoPrsMsrVlv	Low pressure measure valve
AI		30	Comp1Cur	Compressor 1 current [A]
PIV		31	Comp1BsbV	Compressor 1 busbar voltage [V]
IV		32	Comp1MdlT	Compressor 1 module temperature [°C]
AI		33	Fan1Cur	Fan1 current [A]
PIV		34	Fan1BsbV	Fan1 busbar voltage [V]
IV		35	Fan1MdlT	Fan1 module temperature [°C]
AI		36	Comp2Cur	Compressor 2 current [A]
PIV		37	Comp2BsbV	Compressor 2 busbar voltage [V]
IV		38	Comp2MdlT	Compressor 2 module temperature [°C]
AI		39	Fan2Cur	Fan2 current [A]
PIV		40	Fan2BsbV	Fan2 busbar voltage [V]
IV		41	Fan2MdlT	Fan2 module temperature [°C]
PIV		42	SbclEXV	Subcooler EXV [Pls]

- **GMV5 mini**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	RatedCap	Rated capacity x 0.1 [kW]
PIV		02	GenVer	General protocol version
PIV		03	UnitVer	Unit protocol version
PIV		04	PwrTp	Power type
IV		05	AmbT	Outdoor ambient temperature [°C]
PIV		06	Comp1OpFreq	Compressor 1 operation frequency [Hz]
IV		07	MdlHiPrs	Module high pressure [°C]
IV		08	MdlLoPrs	Module low pressure [°C]
IV		09	Comp1DisT	Compressor 1 discharge temperature [°C]
IV		10	DfrsT1	Defrosting temperature 1 [°C]
IV		11	SbclLiqOutT	Subcooler liquid outlet temperature [°C]
IV		12	SbclGsOutT	Subcooler gas outlet temperature [°C]
IV		13	GsSepInTubT	Gas separator inlet tube temperature [°C]
IV		14	GsSepOutTubT	Gas separator outlet tube temperature [°C]
PIV		15	HtEXV	ODU heating EXV [Pls]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		16	Comp1	Compressor 1 status
BI		17	4WayVlv1	4-way valve1 status
BI		18	OilRtVlv1	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]
PIV		27	Comp1BsbV	Compressor 1 busbar voltage [V]
IV		28	Comp1MdlT	Compressor 1 module temperature [°C]
PIV		29	SbclEXV	Subcooler EXV [Pls]
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]
PIV		35	Comp1TgtFreq	Comp1 target frequency [Hz]
PIV		36	Fan1TgtFreq	Fan1 target frequency [Hz]
PIV		37	Fan2TgtFreq	Fan2 target frequency [Hz]
PIV		38	MdlAbsHp	Module absolute high pressure [kPa]
PIV		39	MdlAbsLp	Module absolute low pressure [kPa]
IV		40	HtExGsOutT	Heat exchanger gas outlet temperature [°C]
AI		41	Comp1InCur	Comp1 input current [A]
PIV		42	Comp1UCur	Comp1 U phase current [A]
PIV		43	Comp1VCur	Comp1 V phase current [A]
IV		44	Comp1PfcT	Compressor 1 drive PFC temperature [°C]
IV		45	Comp1EBoxT	Compressor 1 drive electric box temperature [°C]
PIV		46	Comp1Dev	Compressor 1 device status
PIV		47	Comp1Wrk	Compressor 1 work status

- **VRF Home(S)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	RatedCap	Rated capacity x 0.1 [kW]
PIV		02	GenVer	General protocol version
PIV		03	UnitVer	Unit protocol version
PIV		04	PwrTp	Power type
IV		05	AmbT	Outdoor ambient temperature [°C]
PIV		06	Comp1OpFreq	Compressor 1 operation frequency [Hz]
IV		07	MdlHiPrs	Module high pressure [°C]
IV		08	MdlLoPrs	Module low pressure [°C]
IV		09	Comp1DisT	Compressor 1 discharge temperature [°C]
IV		10	DfrsT1	Defrosting temperature 1 [°C]
IV		11	SbclLiqOutT	Subcooler liquid outlet temperature [°C]
IV		12	SbclGsOutT	Subcooler gas outlet temperature [°C]
IV		13	GsSepInTubT	Gas separator inlet tube temperature [°C]
IV		14	GsSepOutTubT	Gas separator outlet tube temperature [°C]
PIV		15	HtEXV	ODU heating EXV [Pls]
BI		16	Comp1	Compressor 1 status
BI		17	4WayVlv1	4-way valve1 status

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		18	OilRtVlv1	Oil return valve 1
BI		19	RefgnRcvy	Refrigerant recovering
BI		20	GsBpsVlv	Gas bypass valve status
BI		21	Comp1E-Ht	Compressor 1 e-heater
BI		22	ChasE-Ht	Chassis e-heater
BI		23	RstCompl	Reset completed
BI		24	2WayVlv	2WayVlv
AI		25	Comp1Cur	Compressor 1 current [A]
PIV		26	Comp1BsbV	Compressor 1 busbar voltage [V]
IV		27	Comp1MdlT	Compressor 1 module temperature [°C]
PIV		28	SbclEXV	Subcooler EXV [Pls]
BI		29	Comp1WkMg	Compressor 1 weak magnetism
BI		30	Comp1LimFreq	Compressor 1 drive module limited frequency
BI		31	Comp1LoFreq	Compressor 1 drive module lower frequency
BI		32	Comp1PwrSrc	Compressor 1 drive AC input power source
AI		33	DistCab	Distribution capability x 0.1 [kW]
PIV		34	Comp1TgtFreq	Comp1 target frequency [Hz]
PIV		35	Fan1TgtFreq	Fan1 target frequency [Hz]
PIV		36	Fan2TgtFreq	Fan2 target frequency [Hz]
PIV		37	MdlAbsHp	Module absolute high pressure [kPa]
PIV		38	MdlAbsLp	Module absolute low pressure [kPa]
IV		39	HtExGsOutT	Heat exchanger gas outlet temperature [°C]
AI		40	Comp1InCur	Comp1 input current [A]
PIV		41	Comp1UCur	Comp1 U phase current [A]
PIV		42	Comp1VCur	Comp1 V phase current [A]
IV		43	Comp1PfcT	Compressor 1 drive PFC temperature [°C]
IV		44	Comp1EBoxT	Compressor 1 drive electric box temperature [°C]
PIV		45	Comp1Dev	Compressor 1 device status
PIV		46	Comp1Wrk	Compressor 1 work status

- **GMV5 HR**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	RatedCap	Rated capacity x 0.1 [kW]
PIV		02	MsSl	Master-Slave status
PIV		03	GenVer	General protocol version
PIV		04	UnitVer	Unit protocol version
PIV		05	PwrTp	Power type
PIV		06	FanTp	Fan type
PIV		07	FanEmerg	Fan emergency status
IV		08	AmbT	Outdoor ambient temperature [°C]
PIV		09	Comp1OpFreq	Compressor 1 operation frequency [Hz]
PIV		10	Comp2OpFreq	Compressor 2 operation frequency [Hz]
PIV		11	Fan1OpFreq	Fan1 operation frequency [Hz]
PIV		12	Fan2OpFreq	Fan2 operation frequency [Hz]
IV		13	MdlHiPrs	Module high pressure [°C]
IV		14	MdlLoPrs	Module low pressure [°C]
IV		15	Comp1DisT	Compressor 1 discharge temperature [°C]
IV		16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]
IV		17	Comp2DisT	Compressor 2 discharge temperature [°C]
IV		18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]
IV		19	DfrsT1	Defrosting temperature 1 [°C]
IV		20	SbclLiqOutT	Subcooler liquid outlet temperature [°C]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
IV		21		SbclGsOutT	Subcooler gas outlet temperature [°C]
IV		22		GsSepInTubT	Gas separator inlet tube temperature [°C]
IV		23		GsSepOutTubT	Gas separator outlet tube temperature [°C]
PIV		24		HtEXV	ODU heating EXV [Pls]
PIV		25		FanStcPrsMd	Outdoor fan static pressure mode
BI		26		Comp1	Compressor 1 status
BI		27		Comp2	Compressor 2 status
BI		28		4WayVlv1	4-way valve1 status
BI		29		LoPrsMsrVlv	Low pressure measure valve
BI		30		4WayVlv2	4-way valve2 status
BI		31		OiRtVlv1	Oil return valve 1
BI		32		OiRtVlv2	Oil return valve 2
AI		33		Comp1Cur	Compressor 1 current [A]
PIV		34		Comp1BsbV	Compressor 1 busbar voltage [V]
IV		35		Comp1MdlT	Compressor 1 module temperature [°C]
AI		36		Fan1Cur	Fan1 current [A]
PIV		37		Fan1BsbV	Fan1 busbar voltage [V]
IV		38		Fan1MdlT	Fan1 module temperature [°C]
AI		39		Comp2Cur	Compressor 2 current [A]
PIV		40		Comp2BsbV	Compressor 2 busbar voltage [V]
IV		41		Comp2MdlT	Compressor 2 module temperature [°C]
AI		42		Fan2Cur	Fan2 current [A]
PIV		43		Fan2BsbV	Fan2 busbar voltage [V]
IV		44		Fan2MdlT	Fan2 module temperature [°C]
IV		45		Comp1OiRtT	Compressor 1 oil return temperature [°C]
IV		46		Comp2OiRtT	Compressor 2 oil return temperature [°C]
PIV		47		SbclEXV	Subcooler EXV [Pls]

- **VRF6**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
AI		01		RatedCap	Rated capacity x 0.1 [kW]
PIV		02		MsSl	Master-Slave status
PIV		03		GenVer	General protocol version
PIV		04		UnitVer	Unit protocol version
PIV		05		PwrTp	Power type
PIV		06		FanTp	Fan type
PIV		07		FanEmerg	Fan emergency status
IV		08		AmbT	Outdoor ambient temperature [°C]
PIV		09		Comp1OpFreq	Compressor 1 operation frequency [Hz]
PIV		10		Comp2OpFreq	Compressor 2 operation frequency [Hz]
PIV		11		Fan1OpFreq	Fan1 operation frequency [Hz]
PIV		12		Fan2OpFreq	Fan2 operation frequency [Hz]
IV		13		MdlHiPrs	Module high pressure [°C]
IV		14		MdlLoPrs	Module low pressure [°C]
IV		15		Comp1DisT	Compressor 1 discharge temperature [°C]
IV		16		Comp1TpCvrT	Compressor 1 top cover temperature [°C]
IV		17		Comp2DisT	Compressor 2 discharge temperature [°C]
IV		18		Comp2TpCvrT	Compressor 2 top cover temperature [°C]
IV		19		DfrsT1	Defrosting temperature 1 [°C]
IV		20		SbclLiqOutT	Subcooler liquid outlet temperature [°C]
IV		21		SbclGsOutT	Subcooler gas outlet temperature [°C]
IV		22		GsSepInTubT	Gas separator inlet tube temperature [°C]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
IV		23	GsSepOutTubT	Gas separator outlet tube temperature [°C]
PIV		24	HtEXV	ODU heating EXV [Pls]
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]
PIV		35	Comp1BsbV	Compressor 1 busbar voltage [V]
IV		36	Comp1MdlT	Compressor 1 module temperature [°C]
AI		37	Fan1Cur	Fan1 current [A]
PIV		38	Fan1BsbV	Fan1 busbar voltage [V]
IV		39	Fan1MdlT	Fan1 module temperature [°C]
AI		40	Comp2Cur	Compressor 2 current [A]
PIV		41	Comp2BsbV	Compressor 2 busbar voltage [V]
IV		42	Comp2MdlT	Compressor 2 module temperature [°C]
AI		43	Fan2Cur	Fan2 current [A]
PIV		44	Fan2BsbV	Fan2 busbar voltage [V]
IV		45	Fan2MdlT	Fan2 module temperature [°C]
PIV		46	SbclEXV	Subcooler EXV [Pls]
IV		47	SbclGsInT	Subcooler gas inlet temperature [°C]

- **VRF6 HR**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	RatedCap	Rated capacity x 0.1 [kW]
PIV		02	MsSl	Master-Slave status
PIV		03	GenVer	General protocol version
PIV		04	UnitVer	Unit protocol version
PIV		05	PwrTp	Power type
PIV		06	FanTp	Fan type
PIV		07	FanEmerg	Fan emergency status
IV		08	AmbT	Outdoor ambient temperature [°C]
PIV		09	Comp1OpFreq	Compressor 1 operation frequency [Hz]
PIV		10	Comp2OpFreq	Compressor 2 operation frequency [Hz]
PIV		11	Fan1OpFreq	Fan1 operation frequency [Hz]
PIV		12	Fan2OpFreq	Fan2 operation frequency [Hz]
IV		13	MdlHiPrs	Module high pressure [°C]
IV		14	MdlLoPrs	Module low pressure [°C]
IV		15	Comp1DisT	Compressor 1 discharge temperature [°C]
IV		16	Comp1TpCvrT	Compressor 1 top cover temperature [°C]
IV		17	Comp2DisT	Compressor 2 discharge temperature [°C]
IV		18	Comp2TpCvrT	Compressor 2 top cover temperature [°C]
IV		19	DfrsT1	Defrosting temperature 1 [°C]
IV		20	DfrsT2	DfrsT2
IV		21	SbclLiqOutT	Subcooler liquid outlet temperature [°C]
IV		22	SbclGsOutT	Subcooler gas outlet temperature [°C]
IV		23	GsSepInTubT	Gas separator inlet tube temperature [°C]
IV		24	GsSepOutTubT	Gas separator outlet tube temperature [°C]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		25	HtEXV	ODU heating EXV [Pls]
PIV		26	FanStcPrsMd	Outdoor fan static pressure mode
BI		27	Comp1	Compressor 1 status
BI		28	Comp2	Compressor 2 status
BI		29	4WayVlv1	4-way valve1 status
BI		30	4WayVlv2	4-way valve2 status
BI		31	OiRtVlv1	Oil return valve 1
BI		32	OiRtVlv2	Oil return valve 2
BI		33	HiPrsSolVlv	HiPrsSolVlv
BI		34	LoPrsSolVlv	LoPrsSolVlv
BI		35	LPBpsSolVlv	LPBpsSolVlv
BI		36	LiqInVlv	LiqInVlv
BI		37	GsBlncVlv	GsBlncVlv
BI		38	PrsVlv	PrsVlv
BI		39	HiPrsBpsVlv	HiPrsBpsVlv
BI		40	AuxOiRtVlv1	Auxiliary oil return valve 1
BI		41	SbclSolVlv	Subcooler solenoid valve
BI		42	HtGsBpsVlv	Hot-gas by-pass valve
AI		43	Comp1Cur	Compressor 1 current [A]
PIV		44	Comp1BsbV	Compressor 1 busbar voltage [V]
IV		45	Comp1MdlT	Compressor 1 module temperature [°C]
AI		46	Fan1Cur	Fan1 current [A]
PIV		47	Fan1BsbV	Fan1 busbar voltage [V]
IV		48	Fan1MdlT	Fan1 module temperature [°C]
AI		49	Comp2Cur	Compressor 2 current [A]
PIV		50	Comp2BsbV	Compressor 2 busbar voltage [V]
IV		51	Comp2MdlT	Compressor 2 module temperature [°C]
AI		52	Fan2Cur	Fan2 current [A]
PIV		53	Fan2BsbV	Fan2 busbar voltage [V]
IV		54	Fan2MdlT	Fan2 module temperature [°C]
PIV		55	SbclEXV	Subcooler EXV [Pls]
IV		56	SbclGsInT	Subcooler gas inlet temperature [°C]
PIV		57	MdlHiPrsR410A	MdlHiPrsR410A
PIV		58	MdlLoPrsR410A	MdlLoPrsR410A

3.2.2.3 Gree GMV5 PRO Enumerated Parameters

- **Master-Slave status (MsSl)**

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

- **Power type (PwrTp)**

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

Value	Description
27	??50Hz?60Hz, 200~240V

- **Fan type (FanTp)**

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

- **Fan emergency status (FanEmerg)**

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

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

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

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

Value	Description
0	Single phase
1	Three phase

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

Value	Description
0	Stop
1	Running
2	Fault

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

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

- **Refrigerant type (RefgnTp)**

Value	Description
0	Null
1	R410A

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

Value	Description
1	Cool only

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

- **Quiet function setting (QtFunc)**

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

- **Refrigerant recovery setting (RefgnRcvy)**

Value	Description
1	Indoor regrigerant
2	Module refrigerant

- **Recovery status (Rcvy)**

Value	Description
0	Null
1	Refrigerant recovery
2	Refrigerant recovery completed

- **System energy saving (EnrgSv)**

Value	Description
1	Comfort
2	Energy saving

- **Emergency running mode (EmergRunMd)**

Value	Description
1	None
2	Compressor
3	Fan
4	Module

- **IDU mode priority (IduMdPr)**

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

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

Value	Description
0	Continous heating

Value	Description
1	Non-continous heating

- **Running mode (RunMd)**

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

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

Value	Description
0	None
1	Fan 1
2	Fan 2

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

Value	Description
0	None
1	Compressor 1
2	Compressor 2

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

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

- **HtWtrMd (HtWtrMd)**

Value	Description
0	Null
1	Power off
2	Hot water
3	Floor heating
4	Hot water and floor heat

- **OpPr (OpPr)**

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

- **HtHiTPrvnt (HtHiTPrvnt)**

Value	Description
0	Normal
1	High temperature prevention

3.2.3 HT (Hitachi)

3.2.3.1 HT PRO Indoor Units

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		01		iE	Exp. V Opening [%]
IV		02		Tl	Liquid Pipe Temperature [°C]
IV		03		Tg	Gas Pipe Temperature [°C]
IV		04		Ti	Intake Air Temperature [°C]
IV		05		To	Outdoor calculated mode
PIV		06		fd	Requested Frequency [Hz]
IV		07		Tr	Remote Sensor Temperature [°C]
BI		08		TH	Indoor therm ON status
BI		09		C8	Indoor therm ON status
BI		10		Ed	Indoor therm ON status
AI		11		Hp	Capacity x 0.1 [hp]
BI		12		C8	Capacity x 0.1 [hp]
BI		13		Ed	Capacity x 0.1 [hp]

3.2.3.2 HT PRO Outdoor Units

- **Type Code = 9**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		ROMno	Outdoor Control PCB ROM number
BI		02		Run	Run/Stop
BI		03		ForDfrst	For Defrost
BI		04		TstRun	Test Run
BI		05		Dfrst	Defrost
BI		06		EnFOff	Enforced Fan Off
BI		07		EnThOff	Enforced Thermo Off
PIV		08		RunSt	Run State
PIV		09		Cyc	Cycle Condition
PIV		10		ProtLvl	Protection Level
PIV		11		ProtCd	Protection Code
PIV		12		INVCD	Inverter Stop Reason Code
PIV		13		INVSt	Inverter run state
PIV		14		FANCD	Fan Con Code
PIV		15		FANSt	FANSt
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]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		30	C11	Compression Ratio Reduction Prevention Restricted Control
BI		31	C13	High PR. Increase Prevention Restricted Control
BI		32	C14	Inverter Module Temp Increase Prevention Restricted Control
BI		33	C15	Td Increase Prevention Restricted Control
BI		34	C16	TdSH Reduction Prevention Restricted Control
BI		35	C17	Overcurrent Prevention Restricted Control
BI		36	YFAN1	Relay for FAN 1
BI		37	YFAN3	Relay for FAN 3
BI		38	YFAN4	Relay for FAN 4
BI		39	YCH	Relay for Crank Case Heater 1
BI		40	Y211	Relay for 4Way-Valve 1
BI		41	Y212	Relay for 4Way-Valve 2
BI		42	Y20A1	Relay for Gass Bypass 1
BI		43	Y20A2	Y20A2
BI		44	Y20F1	Solenoid valve F1/Relay for Oil Back 1
BI		45	Y20F2	Relay for Oil Back 2
BI		46	Y20G	Solenoid valve G/Relay for Refrigerant Recovery
BI		47	Y52C1	Relay for Inverter Compressor
BI		48	Y52C2	Relay for Compressor2
BI		49	Y52C3	Relay for Compressor3
BI		50	Y52C4	Relay for Compressor4
BI		51	Y52C5	Relay for Compressor5
PIV		52	Comp2RunTm	Comp2 Run Time [Hr]
PIV		53	H2	Total Frequency [Hz]
PIV		54	Td2	Compressor 2 Top Temperature [°C]
PIV		55	Td	Operating Comp. Top Temperature [°C]
AI		56	A2	Compressor2 Current [A]
PIV		57	Comp3RunTm	Comp3 Run Time [Hr]
PIV		58	Comp4RunTm	Comp4 Run Time [Hr]
PIV		59	Comp5RunTm	Comp5 Run Time [Hr]
AI		60	A3	Compressor3 Current [A]
AI		61	A4	Compressor4 Current [A]
AI		62	A5	Compressor5 Current [A]
IV		63	Te2	Evaporating Temp2 [°C]
IV		64	Te3	Evaporating Temp3 [°C]
IV		65	Te4	Te4
PIV		66	Td3	Compressor 3 Top Temperature [°C]
PIV		67	Td4	Compressor 4 Top Temperature [°C]
PIV		68	Td5	Compressor 5 Top Temperature [°C]
PIV		69	cc	Run Compressor Quantity
PIV		70	oE2	Expansion Valve 2 Opening [%]
PIV		71	oE3	Expansion Valve 3 Opening [%]
PIV		72	oE4	oE4
BI		73	Y20A3	Y20A3
BI		74	Y20A4	Y20A4
BI		75	Y20A5	Y20A5
BI		76	Y20D1	Y20D1
BI		77	Y20D2	Y20D2
BI		78	Y20E1	Y20E1
BI		79	Y20E2	Y20E2

- **Type Code = 3**

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

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
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	Y20A2	
BI		44	Y20B	Y20B	
BI		45	Y20C	Y20C	
BI		46	Y20F1	Solenoid valve F1/Relay for Oil Back 1	
BI		47	Y20G	Solenoid valve G/Relay for Refrigerant Recovery	
BI		48	Y52C1	Relay for Inverter Compressor	
BI		49	Y52C2	Relay for Compressor2	
BI		50	Y52C3	Relay for Compressor3	
BI		51	Y52C4	Relay for Compressor4	
BI		52	Y52C5	Relay for Compressor5	
BI		53	Y52C6	Relay for Compressor6	
PIV		54	Comp2RunTm	Comp2 Run Time [Hr]	
PIV		55	H2	Total Frequency [Hz]	
PIV		56	Td2	Compressor 2 Top Temperature [°C]	
PIV		57	Td	Operating Comp. Top Temperature [°C]	
AI		58	A2	Compressor2 Current [A]	
PIV		59	Comp3RunTm	Comp3 Run Time [Hr]	
PIV		60	Comp4RunTm	Comp4 Run Time [Hr]	
PIV		61	Comp5RunTm	Comp5 Run Time [Hr]	
PIV		62	Comp6RunTm	Comp6 Run Time [Hr]	
AI		63	A3	Compressor3 Current [A]	
AI		64	A4	Compressor4 Current [A]	
AI		65	A5	Compressor5 Current [A]	
AI		66	A6	Compressor6 Current [A]	
IV		67	Te2	Evaporating Temp2 [°C]	
IV		68	Te3	Evaporating Temp3 [°C]	
PIV		69	Td3	Compressor 3 Top Temperature [°C]	
PIV		70	Td4	Compressor 4 Top Temperature [°C]	
PIV		71	Td5	Compressor 5 Top Temperature [°C]	
PIV		72	Td6	Compressor 6 Top Temperature [°C]	
PIV		73	cc	Run Compressor Quantity	
PIV		74	oE2	Expansion Valve 2 Opening [%]	
PIV		75	oE3	Expansion Valve 3 Opening [%]	

- **Type Code = 1**

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

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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	20CHG
BI		46	Y52C1	Relay for Inverter Compressor
BI		47	X1	Relay for Inverter Cooling Fan
BI		48	X2	Relay for Water Pump
IV		49	TBg	Relay Status [°C]
IV		50	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]

- **Type Code = 8**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		10	INVSt	INVSt
PIV		11	FANCD1	FANCD1
PIV		12	FAN1St	FAN1St
PIV		13	Comp1RunTm	Comp1 Run Time [Hr]
PIV		14	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
PIV		15	H1	Inverter Comp Frequency [Hz]
PIV		16	Fo	Air Flow Fan Tap
PIV		17	oE1	Expansion Valve 1 Opening [%]
PIV		18	EVB	Bypass Exp.V Opening [%]
AI		19	Pd	Discharge (high) Pressure 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	Y211	Relay for 4Way-Valve 1
BI		42	Y212	Relay for 4Way-Valve 2
BI		43	Y20A1	Relay for Gass Bypass 1
BI		44	Y20A2	Relay for Gass Bypass 2
BI		45	Y20B	Relay for Liquid Bypass
BI		46	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass
BI		47	Y20F1	Solenoid valve F1/Relay for Oil Back 1
BI		48	Y20G	Solenoid valve G/Relay for Refrigerant Recovery
BI		49	YCHG	Automatic charge solenoid valve CHG
BI		50	Y52C1	Relay for Inverter Compressor
BI		51	Y52C2	Relay for Compressor2
BI		52	Y52C3	Relay for Compressor3
BI		53	Y52C4	Relay for Compressor4
BI		54	Y52C5	Relay for Compressor5
PIV		55	Comp2RunTm	Comp2 Run Time [Hr]
PIV		56	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]
PIV		57	H2	Total Frequency [Hz]
PIV		58	Td2	Compressor 2 Top Temperature [°C]
PIV		59	Td	Operating Comp. Top Temperature [°C]
AI		60	A2	Compressor2 Current [A]
PIV		61	Comp3RunTm	Comp3 Run Time [Hr]
PIV		62	Comp3MntTm	Comp3MntTm
PIV		63	Comp4RunTm	Comp4 Run Time [Hr]
PIV		64	Comp4MntTm	Comp4MntTm
PIV		65	Comp5RunTm	Comp5 Run Time [Hr]
PIV		66	Comp5MntTm	Comp5MntTm

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
AI		67		A3	Compressor3 Current [A]
AI		68		A4	Compressor4 Current [A]
AI		69		A5	Compressor5 Current [A]
IV		70		Te2	Te2
IV		71		Te3	Te3
IV		72		Te4	Te4
PIV		73		Td3	Compressor 3 Top Temperature [°C]
PIV		74		Td4	Compressor 4 Top Temperature [°C]
PIV		75		Td5	Compressor 5 Top Temperature [°C]
PIV		76		oE2	Expansion Valve 2 Opening [%]
PIV		77		oE3	Expansion Valve 3 Opening [%]
PIV		78		oE4	oE4
BI		79		Y20A3	Y20A3
BI		80		Y20A4	Y20A4
BI		81		Y20A5	Y20A5
PIV		82		Tm2	Tm2
PIV		83		Tm3	Tm3
PIV		84		Tm4	Tm4
PIV		85		Tm5	Tm5
PIV		86		FAN2Cd	FANCON 2 Stop Reason Code
PIV		87		FAN2St	FAN2St
PIV		88		FAN3Cd	FAN3Cd
PIV		89		FAN3St	FAN3St
PIV		90		FAN4Cd	FAN4Cd
PIV		91		FAN4St	FAN4St

- **Type Code = 2**

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

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

- **Type Code = 4**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		ROMno	Outdoor Control PCB ROM number
BI		02		ForDfrst	For Defrost
BI		03		EmergRun	Emergency Run
BI		04		TstRun	Test Run
PIV		05		HEXSt	Heat Exchange State
PIV		06		RunSt	Run State
PIV		07		CycSt	Cycle State
PIV		08		ProtLvl	Protection Level
PIV		09		ProtCd	Protection Code
PIV		10		INV1Cd	Inverter 1 Stop Reason Code
PIV		11		INV1St	Inverter 1 run state
PIV		12		INV2Cd	Inverter 2 Stop Reason Code
PIV		13		INV2St	Inverter 2 run state
PIV		14		FAN1Cd	FANCON 1 Stop Reason Code

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		15	FAN1St	FANCON 1 Run State
PIV		16	FAN2Cd	FANCON 2 Stop Reason Code
PIV		17	FAN2St	FANCON 2 Run State
PIV		18	Comp1RunTm	Comp1 Run Time [Hr]
PIV		19	Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
PIV		20	Comp2RunTm	Comp2 Run Time [Hr]
PIV		21	Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]
AI		22	H1	Inverter 1 Comp Frequency 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 [%]
PIV		28	EVD1	Exp.V 1 Opening for Outdoor Hot Gas Defrost [%]
PIV		29	EVD2	Exp.V 2 Opening for Outdoor Hot Gas Defrost [%]
AI		30	Pd	High Pressure [MPa]
AI		31	Ps	Suction (low) Pressure [MPa]
PIV		32	Td1	Inverter Compressor 1 Top Temperature [°C]
PIV		33	Td2	Compressor 2 Top Temperature [°C]
PIV		34	Td	Operating Comp. Top Temperature [°C]
IV		35	Tsc	Subcooler Temp [°C]
IV		36	Te1	Heat Exchanger Liquid Temperature 1 [°C]
IV		37	Te2	Heat Exchanger Liquid Temperature 2 [°C]
IV		38	Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]
IV		39	Ta	Outdoor Temperature [°C]
IV		40	Tfin1	Inverter 1 Fin Temperature [°C]
IV		41	Tfin2	Inverter 2 Fin Temperature [°C]
IV		42	Tg1	Heat Exchanger 1 Gas Side Temp. [°C]
IV		43	Tg2	Heat Exchanger 2 Gas Side Temp. [°C]
IV		44	Ts	Suction Gas Temp [°C]
AI		45	INV1A2	Inverter Comp 1 2nd Current x 0.1 [A]
AI		46	INV1A1	Inverter Compressor 1 Primary Current x 0.1 [A]
AI		47	INV2A2	Inverter Comp 2 2nd 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]
AI		51	Info3	Control Information 3 x 0.125 [A]
AI		52	Info4	Control Information 4 x 0.125 [A]
BI		53	C11	Compression Ratio Reduction Prevention Restricted Control
BI		54	C13	High PR. Increase Prevention Restricted Control
BI		55	C14	Inverter Module Temp Increase Prevention Restricted Control
BI		56	C15	Td Increase Prevention Restricted Control
BI		57	C16	TdSH Reduction Prevention Restricted Control
BI		58	C17	Overcurrent Prevention Restricted Control
BI		59	CH1	Relay for Crank Case Heater 1
BI		60	CH2	Relay for Crank Case Heater 2
BI		61	Y211	Relay for 4Way-Valve 1
BI		62	Y212	Relay for 4Way-Valve 2
BI		63	Y20A1	Relay for Gass Bypass 1
BI		64	Y20B	Relay for Liquid Bypass
BI		65	Y20C	Solenoid valve C/Relay for Gas-Liquid Bypass
BI		66	Y20F	Relay for Oil Back
BI		67	YCHG	Automatic charge solenoid valve CHG
BI		68	RY1	Relay for Inverter Compressor
BI		69	RY2	Relay for Compressor 2
BI		70	20X1	Relay for X1
BI		71	20X2	Relay for X2

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		72		Fan1VldPwr	Outdoor FAN 1 Valid Power [W]
PIV		73		Fan2VldPwr	Outdoor FAN 2 Valid Power [W]
PIV		74		i1ROM	Inverter 1 Control PCB ROM No.
PIV		75		i2ROM	Inverter 2 Control PCB ROM No.

- **Type Code = 7**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		ROMno	Outdoor Control PCB ROM number
BI		02		ForDfrst	For Defrost
BI		03		EmergRun	Emergency Run
BI		04		TstRun	Test Run
PIV		05		HEXSt	Heat Exchange State
PIV		06		RunSt	Run State
PIV		07		CycSt	Cycle State
PIV		08		ProtLvl	Protection Level
PIV		09		ProtCd	Protection Code
PIV		10		INV1Cd	Inverter 1 Stop Reason Code
PIV		11		INV1St	Inverter 1 run state
PIV		12		INV2Cd	Inverter 2 Stop Reason Code
PIV		13		INV2St	Inverter 2 run state
PIV		14		FAN1Cd	FANCON 1 Stop Reason Code
PIV		15		FAN1St	FANCON 1 Run State
PIV		16		FAN2Cd	FANCON 2 Stop Reason Code
PIV		17		FAN2St	FANCON 2 Run State
PIV		18		Comp1RunTm	Comp1 Run Time [Hr]
PIV		19		Comp1MntTm	Comp1 Run Time Since Maintenance [Hr]
PIV		20		Comp2RunTm	Comp2 Run Time [Hr]
PIV		21		Comp2MntTm	Comp2 Run Time Since Maintenance [Hr]
AI		22		H1	Inverter 1 Comp Frequency 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 [%]
PIV		28		EVD1	Exp.V 1 Opening for Outdoor Hot Gas Defrost [%]
PIV		29		EVD2	Exp.V 2 Opening for Outdoor Hot Gas Defrost [%]
AI		30		Pd	High Pressure [MPa]
AI		31		Ps	Suction (low) Pressure [MPa]
PIV		32		Td1	Inverter Compressor 1 Top Temperature [°C]
PIV		33		Td2	Compressor 2 Top Temperature [°C]
PIV		34		Td	Operating Comp. Top Temperature [°C]
IV		35		Tsc	Subcooler Temp [°C]
IV		36		Te1	Heat Exchanger Liquid Temperature 1 [°C]
IV		37		Te2	Heat Exchanger Liquid Temperature 2 [°C]
IV		38		Tchg	Plate-type Heat Exchanger Liquid Temp1 [°C]
IV		39		Ta	Outdoor Temperature [°C]
IV		40		Tfin1	Inverter 1 Fin Temperature [°C]
IV		41		Tfin2	Inverter 2 Fin Temperature [°C]
IV		42		Tg1	Heat Exchanger 1 Gas Side Temp. [°C]
IV		43		Tpf	Tpf
IV		44		Tpb	Tpb
AI		45		INV1A2	Inverter Comp 1 2nd Current x 0.1 [A]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		46	INV1A1	Inverter Compressor 1 Primary Current x 0.1 [A]
AI		47	INV2A2	Inverter Comp 2 2nd 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]
AI		51	Info3	Control Information 3 x 0.125 [A]
AI		52	Info4	Control Information 4 x 0.125 [A]
BI		53	C11	Compression Ratio Reduction Prevention Restricted Control
BI		54	C13	High PR. Increase Prevention Restricted Control
BI		55	C14	Inverter Module Temp Increase Prevention Restricted Control
BI		56	C15	Td Increase Prevention Restricted Control
BI		57	C16	TdSH Reduction Prevention Restricted Control
BI		58	C17	Overcurrent Prevention Restricted Control
BI		59	CH1	Relay for Crank Case Heater 1
BI		60	CH2	Relay for Crank Case Heater 2
BI		61	Y211	Relay for 4Way-Valve 1
BI		62	Y212	Relay for 4Way-Valve 2
BI		63	Y20A1	Relay for Gass Bypass 1
BI		64	Y20B	Y20B
BI		65	Y20C	Y20C
BI		66	Y20F1	Y20F1
BI		67	Y20F2	Y20F2
BI		68	YCHG	Automatic charge solenoid valve CHG
BI		69	RY1	Relay for Inverter Compressor
BI		70	RY2	Relay for Compressor 2
BI		71	20X1	Relay for X1
BI		72	20X2	Relay for X2
PIV		73	Fan1VldPwr	Outdoor FAN 1 Valid Power [W]
PIV		74	Fan2VldPwr	Outdoor FAN 2 Valid Power [W]
PIV		75	i1ROM	Inverter 1 Control PCB ROM No.
PIV		76	i2ROM	Inverter 2 Control PCB ROM No.

3.2.3.3 HT PRO Enumerated Parameters

- **Run State (RunSt)**

Value	Description
0	SW Off
1	Th. Off
2	Pump Down
3	SW On
4	StartCmp
5	Start After def
6	StartRun1
7	StartRun2
8	Normal
9	Oil Return
10	Def1Stnby
11	Def2Stnby
12	P Diff Cntrl
13	Defrost

- **Cycle State (CycSt)**

Value	Description
0	Stop

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

- **Protection Level (ProtLvl)**

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

- **Inverter run state (INVSt)**

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

- **FAN1 run state (FAN1St)**

Value	Description
0	Usual
4	Driver IC Error, Over Current
9	Moment Over Current
10	Usually accelerating
13	High Fin Temperature
14	Usually slowing down
17	Electron Thermal Activation
18	Usually steading
21	Insufficient Voltage
25	Excessive Voltage
26	Slowdown by Overcurrent
29	Transmitting Abnormal
37	Instantaneous Picking
45	Micro-Computer Reset
49	Start Error

Value	Description
53	Abnormal Speed
57	Abnormal Position Sensing
61	Drive Prohibition Area
65	FAN-Control Retry
69	Control Abnormality

- **Heat Exchange State (HEXSt)**

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

- **Run State (RunSt)**

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

- **Cycle Condition (Cyc)**

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

- **Fan Con State (FANSt)**

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

- **Heat Exchange State (HEXSt)**

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

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

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

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

Value	Description
0	Usual Stop
1	Constant Speed
4	IPM Error, Over Current
6	Usually accelerating
9	Moment Over Current
10	Usually slowing down
13	High Fin Temperature
14	After the over-load during the acceleration
17	Electron Thermal Activation
18	After the over-load during the slowdown
21	Insufficient Voltage
22	After the over-load during the constant speed
25	Excessive Voltage
29	Transmitting Abnormal
33	Current Sensor Abnormal
34	Unbalance of Voltage
37	Instantaneous Picking
42	Forced deceleration at voltage phase limiter activation
45	Micro-Computer Reset

Value	Description
49	Ground Short Detection
53	Lost of phase Abnormality
61	Stop of INV
65	Stop of INV
69	Com. Abnormal
73	Pro. Activation
77	Pro. Abnormal
81	63H Early Return
85	Step-out Detection
89	PCB Setting Abnormality

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

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

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

Value	Description
0	Usual
1	Constant Speed
4	Driver IC Error, Over Current
6	Usually accelerating
9	Moment Over Current
10	Usually slowing down
13	High Fin Temperature
14	After the over-load during the acceleration
17	Electron Thermal Activation
18	After the over-load during the slowdown
21	Insufficient Voltage
22	After the over-load during the constant speed
25	Excessive Voltage
29	Transmitting Abnormal
34	Unbalance of Voltage
37	Instantaneous Picking

Value	Description
45	Micro-Computer Reset
46	Rise prohibit 1
49	Start Error
50	Driving reverse rotation
53	Abnormal Speed
57	Abnormal Position Sensing
61	Drive Prohibition Area
65	FAN-Control Retry
69	Control Abnormality
85	Step-out Detection

- **HEXSt (HEXSt)**

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

- **INVSt (INVSt)**

Value	Description
0	Usual Stop
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Inverter Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Inverter Overcurrent)
17	Usually steading
20	Inverter Voltage Decrease
21	After the over-load during the acceleration
24	Inverter Voltage Increase
25	After the over-load during the slowdown
28	Abnormal Inverter Transmission
29	After the over-load during the steady
32	Abnormal Current Sensor
33	Unbalance of Voltage
36	Instantaneous Power Failure Detection
37	Lost of Voltage
44	Micro-Computer Reset
48	Ground Fault Detection
52	Open-Phase Detection
60	Stop of Inverter
64	Inverter Malfunction
68	Abnormal Control
72	Forced Stoppage by High Pressure Detection
76	Abnormality of Picking up Circuit for Protection
80	63H Early Return
84	Abnormal Compressor Motor (Step-Out)
88	Abnormal Combination of PCB
100	Abnormal Inctruction Frequency

- **FAN1St (FAN1St)**

Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase

Value	Description
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)
17	Usually steading
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving
64	Fan Controller Malfunction
68	Abnormal Control
84	Abnormal Fan Motor (Step-Out)
100	Abnormal Inctruction Frequency

- **FAN2St (FAN2St)**

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

- **FAN3St (FAN3St)**

Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)
17	Usually steading
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent

Value	Description
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving
64	Fan Controller Malfunction
68	Abnormal Control
84	Abnormal Fan Motor (Step-Out)
100	Abnormal Inctruction Frequency

- **FAN4St (FAN4St)**

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

- **FANSt (FANSt)**

Value	Description
0	Usual
4	Driver IC Error Signal Detection
8	Instantaneous Overcurrent
9	Usually accelerating
12	Fan Controller Fin Temperature Increase
13	Usually slowing down
16	Electronic Thermal Protection(Overcurrent)
17	Usually steading
20	Fan Controller Voltage Decrease
24	Fan Controller Voltage Increase
25	Slowdown by Overcurrent
28	Abnormal Fan Controller Transmission
32	Abnormal Current Sensor
36	Instantaneous Power Failure
44	Micro-Computer Reset
48	Ground Fault Detection
52	Abnormal Power Source Phase

Value	Description
56	Abnormality of Detection for Fan Motor Position
60	Reverse Driving

3.2.4 LG

Enter topic text here.

3.2.4.1 LG PRO Indoor Units

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
VA	Index			
PIV	01		Capa	Capacity [kBtu/h]
PIV	02		EEV	Electronic Expansion Valve [pls]
AI	03		PipeIn	Pipe In x 0.1 [°C]
AI	04		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		
CSV	00		Type	Outdoor Unit Type Name
CSV	01		Mode	Operation Mode
PIV	02		Err	Error Code
PIV	03		HiPrsTrc	Current high pressure [KPa]
PIV	04		LoPrsTrc	Current low pressure [KPa]
AI	05		ComprRatio	Compression ratio 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	18		Comp2DisT	Constant compressor2 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
BI	31		InvLiqVlv	Inverter liquid pipe valve
BI	32		CCompLiqVlv	Constant/Fixed speed compressor liquid valve

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		33		MICOM	MICOM version

- **SUPER3 Slave**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		HiPrsTrc	Current high pressure [KPa]
PIV		02		LoPrsTrc	Current low pressure [KPa]
AI		03		ComprRatio	Compression ratio 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		16		Comp2DisT	Constant compressor2 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
BI		29		InvLiqVlv	Inverter liquid pipe valve
BI		30		CCompLiqVlv	Constant/Fixed speed compressor liquid valve
PIV		31		MICOM	MICOM version

- **SUPER4 Master**

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		11	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV		12	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV		13	Fan1Trc	FAN1 current RPM [rpm]
PIV		14	Fan2Trc	FAN2 current RPM [rpm]
PIV		15	MainEEV	Main EEV [pls]
PIV		16	SubEEV	Sub EEV [pls]
PIV		17	ScEEV	Subcooling EEV [pls]
PIV		18	EqEEV	Oil supply EEV [pls]
PIV		19	ViEEV1	Vapor injection EEV1 [pls]
PIV		20	ViEEV2	Vapor injection EEV2 [pls]
AI		21	AirT	Outdoor air temperature 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	SHTrc	Current degree of super heat x 0.1 [°C]
AI		34	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		35	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		36	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI		37	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV		38	Inv1InVT	Inverter 1 input voltage [V]
PIV		39	Inv2InVT	Inverter 2 input voltage [V]
AI		40	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
AI		41	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV		42	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		43	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		44	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		45	Inv2IpmT	Inverter 2 IPM temperature [°C]
BI		46	4way	4 WAY valve
BI		47	RcvIn	Normal close valve
BI		48	RcvOut	Normal open valve
BI		49	Inv1HtVlv	Inverter1 heater
BI		50	Inv2HtVlv	Inverter2 heater
BI		51	OilLvl1	Oil level 1
BI		52	OilLvl2	Oil level 2
BI		53	CompOper	Compressor operation
BI		54	Inv1Bkp	Inverter1 backup
BI		55	Inv2Bkp	Inverter2 backup
PIV		56	MICOM	MICOM version
PIV		57	CompQty	Compressor quantity
PIV		58	Inv1Cap	Inverter 1 capacity [HP]
PIV		59	Inv2Cap	Inverter 2 capacity [HP]

- **SUPER4 Slave**

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV		07	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV		08	Fan1Trc	FAN1 current RPM [rpm]
PIV		09	Fan2Trc	FAN2 current RPM [rpm]
PIV		10	MainEEV	Main EEV [pls]
PIV		11	SubEEV	Sub EEV [pls]
PIV		12	ScEEV	Subcooling EEV [pls]
PIV		13	EqEEV	Oil supply EEV [pls]
PIV		14	ViEEV1	Vapor injection EEV1 [pls]
PIV		15	ViEEV2	Vapor injection EEV2 [pls]
AI		16	AirT	Outdoor air temperature x 0.1 [°C]
AI		17	SuctT	Compressor suction temperature x 0.1 [°C]
AI		18	BubT	Condenser temperature x 0.1 [°C]
AI		19	DewT	Evaporator temperature x 0.1 [°C]
AI		20	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		21	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI		22	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI		23	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI		24	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI		25	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI		26	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI		27	LiqT	Liquid pipe temperature x 0.1 [°C]
AI		28	SHTrc	Current degree of super heat x 0.1 [°C]
AI		29	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		30	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		31	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI		32	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV		33	Inv1InVT	Inverter 1 input voltage [V]
PIV		34	Inv2InVT	Inverter 2 input voltage [V]
AI		35	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
AI		36	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV		37	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		38	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		39	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		40	Inv2IpmT	Inverter 2 IPM temperature [°C]
BI		41	4way	4 WAY valve
BI		42	RcvIn	Normal close valve
BI		43	RcvOut	Normal open valve
BI		44	Inv1HtVlv	Inverter1 heater
BI		45	Inv2HtVlv	Inverter2 heater
BI		46	OilLvl1	Oil level 1
BI		47	OilLvl2	Oil level 2
BI		48	CompOper	Compressor operation
BI		49	Inv1Bkp	Inverter1 backup
BI		50	Inv2Bkp	Inverter2 backup
PIV		51	MICOM	MICOM version
PIV		52	CompQty	Compressor quantity
PIV		53	Inv1Cap	Inverter 1 capacity [HP]
PIV		54	Inv2Cap	Inverter 2 capacity [HP]

- **WATER4 Master**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
PIV		03	HiPrsTrg	Target high pressure [KPa]
PIV		04	LoPrsTrg	Target low pressure [KPa]
AI		05	SCSHTrg	Target degree of subcooling and super heat 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	Inv1HtVlv	Inverter1 heater
BI		31	OilLvl1	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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	ComprRatio	Compression ratio 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]

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

- **MULTIV_S Master**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
PIV		03	HiPrsTrg	Target high pressure [KPa]
PIV		04	LoPrsTrg	Target low pressure [KPa]
AI		05	SCSHTrg	Target degree of subcooling and super heat 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	Fan1Trc	FAN1 current RPM [rpm]
PIV		12	MainEEV	Main EEV [pls]
PIV		13	ScEEV	Subcooling EEV [pls]
AI		14	AirT	Outdoor air temperature x 0.1 [°C]
AI		15	SuctT	Compressor suction temperature x 0.1 [°C]
AI		16	BubT	Condenser temperature x 0.1 [°C]
AI		17	DewT	Evaporator temperature x 0.1 [°C]
AI		18	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		19	HexT	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]
AI		26	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV		27	Inv1InVT	Inverter 1 input voltage [V]
AI		28	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
PIV		29	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		30	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI		31	Inv1HtVlv	Inverter1 heater
BI		32	CompOper	Compressor operation
PIV		33	MICOM	MICOM version
PIV		34	CompQty	Compressor quantity

- **MULTIV_S Slave**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	ComprRatio	Compression ratio x 0.1
PIV		04	Inv1TrgFrq	Inverter 1 target frequency [Hz]
PIV		05	Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV		06	Fan1Trc	FAN1 current RPM [rpm]
PIV		07	MainEEV	Main EEV [pls]
PIV		08	ScEEV	Subcooling EEV [pls]
AI		09	AirT	Outdoor air temperature x 0.1 [°C]
AI		10	SuctT	Compressor suction temperature x 0.1 [°C]
AI		11	BubT	Condenser temperature x 0.1 [°C]
AI		12	DewT	Evaporator temperature x 0.1 [°C]
AI		13	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		14	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI		15	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI		16	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI		17	LiqT	Liquid pipe temperature x 0.1 [°C]
AI		18	SHTrc	Current degree of super heat x 0.1 [°C]
AI		19	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		20	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		21	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV		22	Inv1InVT	Inverter 1 input voltage [V]
AI		23	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
PIV		24	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		25	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI		26	Inv1HtVlv	Inverter1 heater
BI		27	CompOper	Compressor operation
PIV		28	MICOM	MICOM version
PIV		29	CompQty	Compressor quantity

- **SUPER5 Master**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
PIV		03	HiPrsTrg	Target high pressure [KPa]
PIV		04	LoPrsTrg	Target low pressure [KPa]
AI		05	SCSHTrg	Target degree of subcooling and super heat 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	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV		12	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV		13	Fan1Trc	FAN1 current RPM [rpm]
PIV		14	Fan2Trc	FAN2 current RPM [rpm]
PIV		15	MainEEV	Main EEV [pls]
PIV		16	SubEEV	Sub EEV [pls]
PIV		17	ScEEV	Subcooling EEV [pls]
PIV		18	ViEEV1	Vapor injection EEV1 [pls]
PIV		19	ViEEV2	Vapor injection EEV2 [pls]
AI		20	AirT	Outdoor air temperature x 0.1 [°C]
AI		21	SuctT	Compressor suction temperature x 0.1 [°C]
AI		22	BubT	Condenser temperature x 0.1 [°C]
AI		23	DewT	Evaporator temperature x 0.1 [°C]
AI		24	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		25	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI		26	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI		27	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI		28	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI		29	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI		30	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI		31	LiqT	Liquid pipe temperature x 0.1 [°C]
AI		32	SHTrc	Current degree of super heat x 0.1 [°C]
AI		33	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		34	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		35	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI		36	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV		37	Inv1InVT	Inverter 1 input voltage [V]
PIV		38	Inv2InVT	Inverter 2 input voltage [V]
AI		39	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
AI		40	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV		41	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		42	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		43	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		44	Inv2IpmT	Inverter 2 IPM temperature [°C]
BI		45	4way	4 WAY valve
BI		46	RcvIn	Normal close valve
BI		47	RcvOut	Normal open valve
BI		48	Inv1HtVlv	Inverter1 heater
BI		49	Inv2HtVlv	Inverter2 heater
BI		50	OilLvl1	Oil level 1
BI		51	OilLvl2	Oil level 2
BI		52	CompOper	Compressor operation
BI		53	Inv1Bkp	Inverter1 backup
BI		54	Inv2Bkp	Inverter2 backup
PIV		55	MICOM	MICOM version
PIV		56	CompQty	Compressor quantity
PIV		57	Inv1Cap	Inverter 1 capacity [HP]
PIV		58	Inv2Cap	Inverter 2 capacity [HP]

- **SUPER5 Slave**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
PIV		01	HiPrsTrc	Current high pressure [KPa]	
PIV		02	LoPrsTrc	Current low pressure [KPa]	
AI		03	ComprRatio	Compression ratio x 0.1	
PIV		04	Inv1TrgFrq	Inverter 1 target frequency [Hz]	
PIV		05	Inv1TrcFrq	Inverter 1 current frequency [Hz]	
PIV		06	Inv2TrgFrq	Inverter 2 target frequency [Hz]	
PIV		07	Inv2TrcFrq	Inverter 2 current frequency [Hz]	
PIV		08	Fan1Trc	FAN1 current RPM [rpm]	
PIV		09	Fan2Trc	FAN2 current RPM [rpm]	
PIV		10	MainEEV	Main EEV [pls]	
PIV		11	SubEEV	Sub EEV [pls]	
PIV		12	ScEEV	Subcooling EEV [pls]	
PIV		13	ViEEV1	Vapor injection EEV1 [pls]	
PIV		14	ViEEV2	Vapor injection EEV2 [pls]	
AI		15	AirT	Outdoor air temperature x 0.1 [°C]	
AI		16	SuctT	Compressor suction temperature x 0.1 [°C]	
AI		17	BubT	Condenser temperature x 0.1 [°C]	
AI		18	DewT	Evaporator temperature x 0.1 [°C]	
AI		19	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]	
AI		20	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]	
AI		21	HexT	Heat exchanger pipe temperature x 0.1 [°C]	
AI		22	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]	
AI		23	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]	
AI		24	ScInT	Subcooling inlet temperature x 0.1 [°C]	
AI		25	ScOutT	Subcooling outlet temperature x 0.1 [°C]	
AI		26	LiqT	Liquid pipe temperature x 0.1 [°C]	
AI		27	SHTrc	Current degree of super heat x 0.1 [°C]	
AI		28	SCTrc	Current degree of subcooling x 0.1 [°C]	
AI		29	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]	
AI		30	Inv1InCT	Inverter 1 input current x 0.1 [A]	
AI		31	Inv2InCT	Inverter 2 input current x 0.1 [A]	
PIV		32	Inv1InVT	Inverter 1 input voltage [V]	
PIV		33	Inv2InVT	Inverter 2 input voltage [V]	
AI		34	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]	
AI		35	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]	
PIV		36	Inv1DcLnk	Inverter 1 DC LINK voltage [V]	
PIV		37	Inv2DcLnk	Inverter 2 DC LINK voltage [V]	
PIV		38	Inv1IpmT	Inverter 1 IPM temperature [°C]	
PIV		39	Inv2IpmT	Inverter 2 IPM temperature [°C]	
BI		40	4way	4 WAY valve	
BI		41	RcvIn	Normal close valve	
BI		42	RcvOut	Normal open valve	
BI		43	Inv1HtVlv	Inverter1 heater	
BI		44	Inv2HtVlv	Inverter2 heater	
BI		45	OilLvl1	Oil level 1	
BI		46	OilLvl2	Oil level 2	
BI		47	CompOper	Compressor operation	
BI		48	Inv1Bkp	Inverter1 backup	
BI		49	Inv2Bkp	Inverter2 backup	
PIV		50	MICOM	MICOM version	
PIV		51	CompQty	Compressor quantity	
PIV		52	Inv1Cap	Inverter 1 capacity [HP]	
PIV		53	Inv2Cap	Inverter 2 capacity [HP]	

3.2.4.3 LG PRO Enumerated Parameters

- **Operation Mode (Mode)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	OFF

- **Inverter 1 capacity [HP] (Inv1Cap)**

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

- **Inverter 2 capacity [HP] (Inv2Cap)**

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

3.2.5 LGMV

3.2.5.1 LGMV PRO Indoor Units

Object Identifier bits (31–22 / 21–8 / 7–0)			Short Name	Object Description
Type	Instance			
	VA	Index		
PIV	00		Capa	Capacity [kBtu/h]
PIV	01		EEV	Electronic Expansion Valve [pls]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
CSV	00		Type	Outdoor Unit Type Name
CSV	01		Mode	Operation Mode
PIV	02		Err	Error Code
AI	03		AvgT	Average indoor temperature 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]
AI	28		SuctT	Compressor suction temperature x 0.1 [°C]
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]

Object Identifier bits 31 22 / Type	Object Identifier bits 21 8 7 0 / Instance VA	Object Identifier bits 21 8 7 0 / Instance Index	Short Name	Object Description
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	OilLvl1	Oil level 1
BI		67	OilLvl2	Oil level 2

- **MultiV IV Slave**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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]
PIV		45	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		46	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		47	Inv2IpmT	Inverter 2 IPM temperature [°C]
AI		48	FanHtSnkT	Outdoor fan heat sink temperature 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	OilLvl1	Oil level 1
BI		61	OilLvl2	Oil level 2

- **MultiV Plus II Master**

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

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
PIV		13	InvTrcFrq	Inverter current frequency [Hz]
PIV		14	Fan1Trq	Fan1 target frequency [Hz]
PIV		15	Fan1Trc	Fan1 current frequency [Hz]
PIV		16	Fan2Trc	Fan2 current frequency [Hz]
PIV		17	MainEEV	Main EEV [pls]
PIV		18	ScEEV	Subcooling EEV [pls]
AI		19	AirT	Outdoor air temperature x 0.1 [°C]
AI		20	SuctT	Compressor suction temperature x 0.1 [°C]
AI		21	BubT	Condenser temperature x 0.1 [°C]
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	LiqIjtInv	Liquid injection valve (inverter)
BI		47	LiqIjtStd	Liquid injection valve (standard)
PIV		48	PCBVer	PCB version
PIV		49	EEPVer	EEP version

- **MultiV Plus II Slave**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	SHTrc	Current degree of super heat x 0.1 [°C]
PIV		04	InvTrgFrq	Inverter target frequency [Hz]
PIV		05	InvTrcFrq	Inverter current frequency [Hz]
PIV		06	Fan1Trq	Fan1 target frequency [Hz]
PIV		07	Fan1Trc	Fan1 current frequency [Hz]
PIV		08	Fan2Trc	Fan2 current frequency [Hz]
PIV		09	MainEEV	Main EEV [pls]
PIV		10	ScEEV	Subcooling EEV [pls]
AI		11	AirT	Outdoor air temperature x 0.1 [°C]
AI		12	SuctT	Compressor suction temperature x 0.1 [°C]

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
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	LiqIjtInv	Liquid injection valve (inverter)
BI		39	LiqIjtStd	Liquid injection valve (standard)
PIV		40	PCBVer	PCB version
PIV		41	EEPVer	EEP version

- **MultiV III Master**

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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	InvTrgFrq	Inverter target frequency [Hz]
PIV		15	InvTrcFrq	Inverter current frequency [Hz]
PIV		16	Fan1Trg	FAN1 target RPM [rpm]
PIV		17	Fan1Trc	FAN1 current RPM [rpm]
PIV		18	Fan2Trg	FAN2 target RPM [rpm]
PIV		19	Fan2Trc	FAN2 current RPM [rpm]
PIV		20	MainEEV	Main EEV [pls]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
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		30	Comp2DisT	Constant compressor2 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		37	InvOilT	Inverter oil supply temperature x 0.1 [°C]
AI		38	Comp1OilT	Compressor1 oil supply temperature x 0.1 [°C]
AI		39	Comp2OilT	Compressor2 oil supply temperature x 0.1 [°C]
AI		40	InvCT	Inverter current value x 0.1 [A]
AI		41	Comp1CT	Compressor1 current value [A]
AI		42	Comp2CT	Compressor2 current value [A]
PIV		43	InvV	Inverter voltage [V]
PIV		44	InvPwrFrq	Inverter power frequency [Hz]
AI		45	InvPhsCT	Inverter phase current 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	Comp1	Compressor1
BI		56	Comp2	Compressor2
BI		57	HotGas	Hot gas
BI		58	InvHtVlv	Inverter heater valve
BI		59	Comp1HtVlv	Compressor1 heater valve
BI		60	Comp2HtVlv	Compressor2 heater valve
BI		61	HexUpVlv	Heat exchanger top valve
BI		62	HexDnVlv	Heat exchanger bottom valve
BI		63	InvInjt	Inverter injection valve
BI		64	Comp1Injt	Compressor1 injection valve
BI		65	Comp2Injt	Compressor2 injection valve
BI		66	ScInjt	SC injection valve
PIV		67	EEPVer	EEP version

- **MultiV III Slave**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		03	ComprRatio	Compression ratio 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		12	Fan2Trg	FAN2 target RPM [rpm]
PIV		13	Fan2Trc	FAN2 current RPM [rpm]
PIV		14	MainEEV	Main EEV [pls]
PIV		15	SubEEV	Sub EEV [pls]
PIV		16	ScEEV	Subcooling EEV [pls]
PIV		17	EqEEV	Oil supply EEV [pls]
AI		18	AirT	Outdoor air temperature 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		24	Comp2DisT	Constant compressor2 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		31	InvOilT	Inverter oil supply temperature x 0.1 [°C]
AI		32	Comp1OilT	Compressor1 oil supply temperature x 0.1 [°C]
AI		33	Comp2OilT	Compressor2 oil supply temperature x 0.1 [°C]
AI		34	InvCT	Inverter current value x 0.1 [A]
AI		35	Comp1CT	Compressor1 current value [A]
AI		36	Comp2CT	Compressor2 current value [A]
PIV		37	InvV	Inverter voltage [V]
PIV		38	InvPwrFrq	Inverter power frequency [Hz]
AI		39	InvPhsCT	Inverter phase current 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	Comp1	Compressor1
BI		50	Comp2	Compressor2
BI		51	HotGas	Hot gas
BI		52	InvHtVlv	Inverter heater valve
BI		53	Comp1HtVlv	Compressor1 heater valve
BI		54	Comp2HtVlv	Compressor2 heater valve
BI		55	HexUpVlv	Heat exchanger top valve
BI		56	HexDnVlv	Heat exchanger bottom valve
BI		57	InvInjt	Inverter injection valve
BI		58	Comp1Injt	Compressor1 injection valve
BI		59	Comp2Injt	Compressor2 injection valve

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
BI		60	Scljt	SC injection valve
PIV		61	EEPVer	EEP version

- **MultiV III HR Master**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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	InvTrgFrq	Inverter target frequency [Hz]
PIV		15	InvTrcFrq	Inverter current frequency [Hz]
PIV		16	Fan1Trg	FAN1 target RPM [rpm]
PIV		17	Fan1Trc	FAN1 current RPM [rpm]
PIV		18	Fan2Trg	FAN2 target RPM [rpm]
PIV		19	Fan2Trc	FAN2 current RPM [rpm]
PIV		20	MainEEV	Main EEV [pls]
PIV		21	SubEEV	Sub EEV [pls]
PIV		22	ScEEV	Subcooling EEV [pls]
PIV		23	EqEEV	Oil supply EEV [pls]
AI		24	AirT	Outdoor air temperature 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		30	Comp2DisT	Constant compressor2 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		37	InvOilT	Inverter oil supply temperature x 0.1 [°C]
AI		38	Comp1OilT	Compressor1 oil supply temperature x 0.1 [°C]
AI		39	Comp2OilT	Compressor2 oil supply temperature x 0.1 [°C]
AI		40	InvCT	Inverter current value x 0.1 [A]
AI		41	Comp1CT	Compressor1 current value [A]
AI		42	Comp2CT	Compressor2 current value [A]
PIV		43	InvV	Inverter voltage [V]
PIV		44	InvPwrFrq	Inverter power frequency [Hz]
AI		45	InvPhsCT	Inverter phase current x 0.1 [A]
AI		46	Fan1PhsCT	Fan1 phase current x 0.1 [A]
AI		47	Fan2PhsCT	Fan2 phase current x 0.1 [A]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
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	4wayDn	4 WAY down valve
BI		56	Comp1	Compressor1
BI		57	Comp2	Compressor2
BI		58	HotGas	Hot gas
BI		59	InvHtVlv	Inverter heater valve
BI		60	Comp1HtVlv	Compressor1 heater valve
BI		61	Comp2HtVlv	Compressor2 heater valve
BI		62	HexUpVlv	Heat exchanger top valve
BI		63	HexDnVlv	Heat exchanger bottom valve
BI		64	InvIjt	Inverter injection valve
BI		65	Comp1Ijt	Compressor1 injection valve
BI		66	Comp2Ijt	Compressor2 injection valve
BI		67	ScIjt	SC injection valve
PIV		68	EEPVer	EEP version

- **MultiV III HR Slave**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	ComprRatio	Compression ratio 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		12	Fan2Trg	FAN2 target RPM [rpm]
PIV		13	Fan2Trc	FAN2 current RPM [rpm]
PIV		14	MainEEV	Main EEV [pls]
PIV		15	SubEEV	Sub EEV [pls]
PIV		16	ScEEV	Subcooling EEV [pls]
PIV		17	EqEEV	Oil supply EEV [pls]
AI		18	AirT	Outdoor air temperature 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		24	Comp2DisT	Constant compressor2 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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
AI		29	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI		30	LiqT	Liquid pipe temperature x 0.1 [°C]
AI		31	InvOilT	Inverter oil supply temperature x 0.1 [°C]
AI		32	Comp1OilT	Compressor1 oil supply temperature x 0.1 [°C]
AI		33	Comp2OilT	Compressor2 oil supply temperature x 0.1 [°C]
AI		34	InvCT	Inverter current value x 0.1 [A]
AI		35	Comp1CT	Compressor1 current value [A]
AI		36	Comp2CT	Compressor2 current value [A]
PIV		37	InvV	Inverter voltage [V]
PIV		38	InvPwrFrq	Inverter power frequency [Hz]
AI		39	InvPhsCT	Inverter phase current 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	4wayDn	4 WAY down valve
BI		50	Comp1	Compressor1
BI		51	Comp2	Compressor2
BI		52	HotGas	Hot gas
BI		53	InvHtVlv	Inverter heater valve
BI		54	Comp1HtVlv	Compressor1 heater valve
BI		55	Comp2HtVlv	Compressor2 heater valve
BI		56	HexUpVlv	Heat exchanger top valve
BI		57	HexDnVlv	Heat exchanger bottom valve
BI		58	InvInjt	Inverter injection valve
BI		59	Comp1Injt	Compressor1 injection valve
BI		60	Comp2Injt	Compressor2 injection valve
BI		61	SCInjt	SC injection valve
PIV		62	EEPVer	EEP version

- **HRU Master**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	P1Md	Pipe 1 mode
PIV		02	P2Md	Pipe 2 mode
PIV		03	P3Md	Pipe 3 mode
PIV		04	P4Md	Pipe 4 mode
PIV		05	EEV	EEV [pls]
AI		06	LiqT	Liquid temperature x 0.1 [°C]
AI		07	InT	Pipe inlet temperature x 0.1 [°C]
AI		08	OutT	Pipe outlet temperature x 0.1 [°C]
PIV		09	NumIDU	Number of IDU
PIV		10	SetP	Set pipe

- **MultiV S Mini Master**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
AI		03	AvgT	Average indoor temperature 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]
PIV		07	HiPrsTrc	Current high pressure [KPa]
PIV		08	LoPrsTrc	Current low pressure [KPa]
AI		09	ComprRatio	Compression ratio x 0.1
AI		10	SCSHTrg	Target degree of subcooling and super heat x 0.1 [°C]
AI		11	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		12	SHTrc	Current degree of super heat x 0.1 [°C]
AI		13	SCTrc	Current degree of subcooling 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		18	Fan2Trg	FAN2 target RPM [rpm]
PIV		19	Fan2Trc	FAN2 current RPM [rpm]
PIV		20	MainEEV	Main EEV [pls]
PIV		21	ScEEV	Subcooling EEV [pls]
AI		22	AirT	Outdoor air temperature x 0.1 [°C]
AI		23	SuctT	Compressor suction temperature x 0.1 [°C]
AI		24	CondT	CondT
AI		25	EvapT	EvapT
AI		26	InvDisT	Inverter discharge temperature x 0.1 [°C]
AI		27	HexT	Heat exchanger pipe 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	InvInCT	InvInCT
PIV		31	InvPwrFrq	Inverter power frequency [Hz]
AI		32	InvPhsCT	Inverter phase current x 0.1 [A]
PIV		33	InvDcLnk	Inverter DC LINK voltage [V]
PIV		34	InPhsVT	InPhsVT
AI		35	CompHtSnkT	CompHtSnkT
BI		36	4way	4 WAY valve
BI		37	InvHtVlv	Inverter heater valve
BI		38	CoolFan	CoolFan
BI		39	HotGas	Hot gas
BI		40	InvOvld	InvOvld
BI		41	HtSnkLim	HtSnkLim
PIV		42	MainVer	MainVer
PIV		43	EEPVer	EEP version

- **SUPER3 Master**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
PIV		03	HiPrsTrc	Current high pressure [KPa]
PIV		04	LoPrsTrc	Current low pressure [KPa]
AI		05	ComprRatio	Compression ratio x 0.1

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
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		18	Comp2DisT	Constant compressor2 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
BI		31	InvLiqVlv	Inverter liquid pipe valve
BI		32	CCompLiqVlv	Constant/Fixed speed compressor liquid valve
PIV		33	MICOM	MICOM version

- **SUPER3 Slave**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	ComprRatio	Compression ratio 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		16	Comp2DisT	Constant compressor2 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]

Object Identifier bits 31 22 / Type	Object Identifier bits 21 8 / Instance VA	Object Identifier bits 7 0 / Instance Index	Short Name	Object Description
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
BI		29	InvLiqVlv	Inverter liquid pipe valve
BI		30	CCompLiqVlv	Constant/Fixed speed compressor liquid valve
PIV		31	MICOM	MICOM version

- **SUPER4 Master**

Object Identifier bits 31 22 / Type	Object Identifier bits 21 8 / Instance VA	Object Identifier bits 7 0 / Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
PIV		03	HiPrsTrg	Target high pressure [KPa]
PIV		04	LoPrsTrg	Target low pressure [KPa]
AI		05	SCSHTrg	Target degree of subcooling and super heat 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	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV		12	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV		13	Fan1Trc	FAN1 current RPM [rpm]
PIV		14	Fan2Trc	FAN2 current RPM [rpm]
PIV		15	MainEEV	Main EEV [pls]
PIV		16	SubEEV	Sub EEV [pls]
PIV		17	ScEEV	Subcooling EEV [pls]
PIV		18	EqEEV	Oil supply EEV [pls]
PIV		19	ViEEV1	Vapor injection EEV1 [pls]
PIV		20	ViEEV2	Vapor injection EEV2 [pls]
AI		21	AirT	Outdoor air temperature 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	SHTrc	Current degree of super heat x 0.1 [°C]
AI		34	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		35	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		36	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI		37	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV		38	Inv1InVT	Inverter 1 input voltage [V]
PIV		39	Inv2InVT	Inverter 2 input voltage [V]

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
AI		40	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
AI		41	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV		42	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		43	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		44	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		45	Inv2IpmT	Inverter 2 IPM temperature [°C]
BI		46	4way	4 WAY valve
BI		47	RcvIn	Normal close valve
BI		48	RcvOut	Normal open valve
BI		49	Inv1HtVlv	Inverter1 heater
BI		50	Inv2HtVlv	Inverter2 heater
BI		51	OilLvl1	Oil level 1
BI		52	OilLvl2	Oil level 2
BI		53	CompOper	Compressor operation
BI		54	Inv1Bkp	Inverter1 backup
BI		55	Inv2Bkp	Inverter2 backup
PIV		56	MICOM	MICOM version
PIV		57	CompQty	Compressor quantity
PIV		58	Inv1Cap	Inverter 1 capacity [HP]
PIV		59	Inv2Cap	Inverter 2 capacity [HP]

- **SUPER4 Slave**

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

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
AI		30	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		31	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI		32	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV		33	Inv1InVT	Inverter 1 input voltage [V]
PIV		34	Inv2InVT	Inverter 2 input voltage [V]
AI		35	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
AI		36	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV		37	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		38	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		39	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		40	Inv2IpmT	Inverter 2 IPM temperature [°C]
BI		41	4way	4 WAY valve
BI		42	RcvIn	Normal close valve
BI		43	RcvOut	Normal open valve
BI		44	Inv1HtVlv	Inverter1 heater
BI		45	Inv2HtVlv	Inverter2 heater
BI		46	OilLvl1	Oil level 1
BI		47	OilLvl2	Oil level 2
BI		48	CompOper	Compressor operation
BI		49	Inv1Bkp	Inverter1 backup
BI		50	Inv2Bkp	Inverter2 backup
PIV		51	MICOM	MICOM version
PIV		52	CompQty	Compressor quantity
PIV		53	Inv1Cap	Inverter 1 capacity [HP]
PIV		54	Inv2Cap	Inverter 2 capacity [HP]

- **WATER4 Master**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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	OilLvl1	Oil level 1
BI		32	CompOper	Compressor operation
BI		33	HotGas	Hot gas
BI		34	Inv1Bkp	Inverter1 backup
BI		35	DDC	DDC
PIV		36	MICOM	MICOM version
PIV		37	CompQty	Compressor quantity

- **WATER4 Slave**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	ComprRatio	Compression ratio 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	OilLvl1	Oil level 1
BI		27	CompOper	Compressor operation
BI		28	HotGas	Hot gas
BI		29	Inv1Bkp	Inverter1 backup
BI		30	DDC	DDC
PIV		31	MICOM	MICOM version
PIV		32	CompQty	Compressor quantity

- **MULTIV_S Master**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
PIV		03	HiPrsTrg	Target high pressure [KPa]
PIV		04	LoPrsTrg	Target low pressure [KPa]
AI		05	SCSHTrg	Target degree of subcooling and super heat 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	Fan1Trc	FAN1 current RPM [rpm]
PIV		12	MainEEV	Main EEV [pls]
PIV		13	ScEEV	Subcooling EEV [pls]
AI		14	AirT	Outdoor air temperature x 0.1 [°C]
AI		15	SuctT	Compressor suction temperature x 0.1 [°C]
AI		16	BubT	Condenser temperature x 0.1 [°C]
AI		17	DewT	Evaporator temperature x 0.1 [°C]
AI		18	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		19	HexT	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]
AI		26	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV		27	Inv1InVT	Inverter 1 input voltage [V]
AI		28	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
PIV		29	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		30	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI		31	Inv1HtVlv	Inverter1 heater
BI		32	CompOper	Compressor operation
PIV		33	MICOM	MICOM version
PIV		34	CompQty	Compressor quantity

- **MULTIV_S Slave**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	ComprRatio	Compression ratio x 0.1
PIV		04	Inv1TrgFrq	Inverter 1 target frequency [Hz]
PIV		05	Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV		06	Fan1Trc	FAN1 current RPM [rpm]
PIV		07	MainEEV	Main EEV [pls]
PIV		08	ScEEV	Subcooling EEV [pls]
AI		09	AirT	Outdoor air temperature x 0.1 [°C]
AI		10	SuctT	Compressor suction temperature x 0.1 [°C]
AI		11	BubT	Condenser temperature x 0.1 [°C]
AI		12	DewT	Evaporator temperature x 0.1 [°C]
AI		13	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		14	HexT	Heat exchanger pipe temperature x 0.1 [°C]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
AI		15	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI		16	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI		17	LiqT	Liquid pipe temperature x 0.1 [°C]
AI		18	SHTrc	Current degree of super heat x 0.1 [°C]
AI		19	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		20	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		21	Inv1InCT	Inverter 1 input current x 0.1 [A]
PIV		22	Inv1InVT	Inverter 1 input voltage [V]
AI		23	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
PIV		24	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		25	Inv1IpmT	Inverter 1 IPM temperature [°C]
BI		26	Inv1HtVlv	Inverter1 heater
BI		27	CompOper	Compressor operation
PIV		28	MICOM	MICOM version
PIV		29	CompQty	Compressor quantity

- **SUPER5 Master**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
CSV		01	Mode	Operation Mode
PIV		02	Err	Error Code
PIV		03	HiPrsTrg	Target high pressure [KPa]
PIV		04	LoPrsTrg	Target low pressure [KPa]
AI		05	SCSHTrg	Target degree of subcooling and super heat 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	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV		12	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV		13	Fan1Trc	FAN1 current RPM [rpm]
PIV		14	Fan2Trc	FAN2 current RPM [rpm]
PIV		15	MainEEV	Main EEV [pls]
PIV		16	SubEEV	Sub EEV [pls]
PIV		17	ScEEV	Subcooling EEV [pls]
PIV		18	ViEEV1	Vapor injection EEV1 [pls]
PIV		19	ViEEV2	Vapor injection EEV2 [pls]
AI		20	AirT	Outdoor air temperature x 0.1 [°C]
AI		21	SuctT	Compressor suction temperature x 0.1 [°C]
AI		22	BubT	Condenser temperature x 0.1 [°C]
AI		23	DewT	Evaporator temperature x 0.1 [°C]
AI		24	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		25	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI		26	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI		27	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI		28	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI		29	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI		30	ScOutT	Subcooling outlet temperature x 0.1 [°C]
AI		31	LiqT	Liquid pipe temperature x 0.1 [°C]
AI		32	SHTrc	Current degree of super heat x 0.1 [°C]
AI		33	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		34	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
AI		35	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI		36	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV		37	Inv1InVT	Inverter 1 input voltage [V]
PIV		38	Inv2InVT	Inverter 2 input voltage [V]
AI		39	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
AI		40	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV		41	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		42	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		43	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		44	Inv2IpmT	Inverter 2 IPM temperature [°C]
BI		45	4way	4 WAY valve
BI		46	RcvIn	Normal close valve
BI		47	RcvOut	Normal open valve
BI		48	Inv1HtVlv	Inverter1 heater
BI		49	Inv2HtVlv	Inverter2 heater
BI		50	OilLvl1	Oil level 1
BI		51	OilLvl2	Oil level 2
BI		52	CompOper	Compressor operation
BI		53	Inv1Bkp	Inverter1 backup
BI		54	Inv2Bkp	Inverter2 backup
PIV		55	MICOM	MICOM version
PIV		56	CompQty	Compressor quantity
PIV		57	Inv1Cap	Inverter 1 capacity [HP]
PIV		58	Inv2Cap	Inverter 2 capacity [HP]

- **SUPER5 Slave**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	HiPrsTrc	Current high pressure [KPa]
PIV		02	LoPrsTrc	Current low pressure [KPa]
AI		03	ComprRatio	Compression ratio x 0.1
PIV		04	Inv1TrgFrq	Inverter 1 target frequency [Hz]
PIV		05	Inv1TrcFrq	Inverter 1 current frequency [Hz]
PIV		06	Inv2TrgFrq	Inverter 2 target frequency [Hz]
PIV		07	Inv2TrcFrq	Inverter 2 current frequency [Hz]
PIV		08	Fan1Trc	FAN1 current RPM [rpm]
PIV		09	Fan2Trc	FAN2 current RPM [rpm]
PIV		10	MainEEV	Main EEV [pls]
PIV		11	SubEEV	Sub EEV [pls]
PIV		12	ScEEV	Subcooling EEV [pls]
PIV		13	ViEEV1	Vapor injection EEV1 [pls]
PIV		14	ViEEV2	Vapor injection EEV2 [pls]
AI		15	AirT	Outdoor air temperature x 0.1 [°C]
AI		16	SuctT	Compressor suction temperature x 0.1 [°C]
AI		17	BubT	Condenser temperature x 0.1 [°C]
AI		18	DewT	Evaporator temperature x 0.1 [°C]
AI		19	Inv1DisT	Inverter 1 discharge temperature x 0.1 [°C]
AI		20	Inv2DisT	Inverter 2 discharge temperature x 0.1 [°C]
AI		21	HexT	Heat exchanger pipe temperature x 0.1 [°C]
AI		22	UpHexT	Top/Upper heat exchanger pipe temperature x 0.1 [°C]
AI		23	LoHexT	Bottom/Down/Lower heat exchanger pipe temperature x 0.1 [°C]
AI		24	ScInT	Subcooling inlet temperature x 0.1 [°C]
AI		25	ScOutT	Subcooling outlet temperature x 0.1 [°C]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		26	LiqT	Liquid pipe temperature x 0.1 [°C]
AI		27	SHTrc	Current degree of super heat x 0.1 [°C]
AI		28	SCTrc	Current degree of subcooling x 0.1 [°C]
AI		29	SCSCTrc	Current degree of subcooling and super heat x 0.1 [°C]
AI		30	Inv1InCT	Inverter 1 input current x 0.1 [A]
AI		31	Inv2InCT	Inverter 2 input current x 0.1 [A]
PIV		32	Inv1InVT	Inverter 1 input voltage [V]
PIV		33	Inv2InVT	Inverter 2 input voltage [V]
AI		34	Inv1PhsCT	Inverter 1 phase current x 0.1 [A]
AI		35	Inv2PhsCT	Inverter 2 phase current x 0.1 [A]
PIV		36	Inv1DcLnk	Inverter 1 DC LINK voltage [V]
PIV		37	Inv2DcLnk	Inverter 2 DC LINK voltage [V]
PIV		38	Inv1IpmT	Inverter 1 IPM temperature [°C]
PIV		39	Inv2IpmT	Inverter 2 IPM temperature [°C]
BI		40	4way	4 WAY valve
BI		41	RcvIn	Normal close valve
BI		42	RcvOut	Normal open valve
BI		43	Inv1HtVlv	Inverter1 heater
BI		44	Inv2HtVlv	Inverter2 heater
BI		45	OilLvl1	Oil level 1
BI		46	OilLvl2	Oil level 2
BI		47	CompOper	Compressor operation
BI		48	Inv1Bkp	Inverter1 backup
BI		49	Inv2Bkp	Inverter2 backup
PIV		50	MICOM	MICOM version
PIV		51	CompQty	Compressor quantity
PIV		52	Inv1Cap	Inverter 1 capacity [HP]
PIV		53	Inv2Cap	Inverter 2 capacity [HP]

3.2.5.3 LGMV PRO Enumerated Parameters

- **Pipe 1 mode (P1Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

- **Pipe 2 mode (P2Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

- **Pipe 3 mode (P3Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

- **Pipe 4 mode (P4Md)**

Value	Description
0	OFF
1	COOL
2	HEAT
3	WIND

3.2.6 ME (Mitsubishi Electric)

3.2.6.1 ME PRO Indoor Units

- **F/P, IC**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type		Instance					
		VA		Index			
CSV				00		Type	Outdoor Unit Type Name
AI				01		TH1	Room Thermistor x 0.1 [°C]
AI				02		TH2	Liquid Pipe Thermistor x 0.1 [°C]
AI				03		TH3	Gas Pipe Thermistor x 0.1 [°C]
AI				04		TH4	Return Air Thermistor x 0.1 [°C]
AI				05		SH	SuperHeat x 0.1 [°C]
AI				06		SC	SubCooling x 0.1 [°C]
PIV				07		Li	LEV opening pulse [pls]
AI				08		TO	Set temperature x 0.1 [°C]
PIV				09		Save	Capacity save [%]
PIV				10		O/F	Operation ON/OFF
PIV				11		Mode	Running mode
PIV				12		State	Operating condition
PIV				13		IC_S	Operation control of the outdoor unit
BI				14		TH_ON	Indoor therm ON status

- **F/P, ConnKIT, PAC-MK*BC**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type		Instance					
		VA		Index			
CSV				00		Type	Outdoor Unit Type Name
AI				01		TH1	Room Thermistor x 0.1 [°C]
AI				02		TH2	Liquid Pipe Thermistor x 0.1 [°C]
AI				03		TH3	Gas Pipe Thermistor x 0.1 [°C]
AI				04		TH4	Return Air Thermistor x 0.1 [°C]
AI				05		SH	SuperHeat x 0.1 [°C]
AI				06		SC	SubCooling x 0.1 [°C]
PIV				07		Li	LEV opening pulse [pls]
AI				08		TO	Set temperature x 0.1 [°C]
PIV				09		Save	Capacity save [%]
PIV				10		O/F	Operation ON/OFF
PIV				11		Mode	Running mode
PIV				12		State	Operating condition
PIV				13		IC_S	Operation control of the outdoor unit
PIV				14		Fan	Fan speed
BI				15		TH_ON	Indoor therm ON status

- **F/P**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name
AI		01	TH1	Room Thermistor x 0.1 [°C]
AI		02	TH2	Liquid Pipe Thermistor x 0.1 [°C]
AI		03	TH3	Gas Pipe Thermistor x 0.1 [°C]
AI		04	TH4	Return Air Thermistor x 0.1 [°C]
AI		05	SH	SuperHeat x 0.1 [°C]
AI		06	SC	SubCooling x 0.1 [°C]
PIV		07	Li	LEV opening pulse [pls]
AI		08	TO	Set temperature x 0.1 [°C]
PIV		09	Save	Capacity save [%]
PIV		10	O/F	Operation ON/OFF
PIV		11	Mode	Running mode
PIV		12	State	Operating condition
PIV		13	IC_S	Operation control of the outdoor unit
PIV		14	HA	Humidity [%]
PIV		15	HO	HO
BI		16	TH_ON	Indoor therm ON status

- **A-INV**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name
AI		01	TH1	Room Thermistor x 0.1 [°C]
AI		02	TH2	Liquid Pipe Thermistor x 0.1 [°C]
AI		03	TH5	Gas pipe temperature x 0.1 [°C]
AI		04	TO	Set temperature x 0.1 [°C]
PIV		05	Save	Capacity save [%]
PIV		06	O/F	Operation ON/OFF
PIV		07	Mode	Running mode
PIV		08	ErrAddr	Last error address
PIV		09	Err	Last error code
BI		10	Comp	Outdoor compressor
BI		11	21S4	Outdoor 4-way valve
BI		12	SV	Outdoor solenoid valve
PIV		13	Fan	Outdoor fan output step
PIV		14	Hz	Outdoor compressor frequency [Hz]
BI		15	49C	Outdoor inner thermostat (compressor)
BI		16	63H	Outdoor high pressure sensor
BI		17	63L	Outdoor low pressure sensor
AI		18	TH3	Outdoor liquid pipe temperature x 0.1 [°C]
AI		19	TH4	Outdoor discharge temperature x 0.1 [°C]
AI		20	TH6	Outdoor saturated evaporation temperature x 0.1 [°C]
AI		21	TH7	Outdoor ambient air temperature x 0.1 [°C]
AI		22	TH8	Outdoor radiator plate temperature x 0.1 [°C]
AI		23	TH32	Outdoor suction pipe temperature x 0.1 [°C]
AI		24	TH33	Outdoor compressor surface temperature x 0.1 [°C]
AI		25	63HS	Outdoor pressure saturation temperature x 0.1 [°C]
AI		26	SHd	Outdoor discharge superheat x 0.1 [°C]
AI		27	SH	Outdoor superheat x 0.1 [°C]
AI		28	SC	Outdoor subcool x 0.1 [°C]
PIV		29	LevA	Outdoor LEV opening (A) [pls]
PIV		30	LevB	Outdoor LEV opening (B) [pls]
AI		31	LevC	Outdoor LEV opening (C) x 0.1 [pls]
AI		32	CompA	Outdoor secondary current x 0.1 [A]

- **LC**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name
AI		01	OA_T	Outdoor air temperature x0.1 [°C]
AI		02	RA_T	Room air temperature x0.1 [°C]
PIV		03	SA_SetIU	SA fan speed ordered from interlocked IC
PIV		04	EA_SetIU	EA fan speed ordered from interlocked IC
AI		05	TO	Target temperature x0.1 [°C]
PIV		06	O/F	Operation ON/OFF
PIV		07	VentMd2	Ventilation Mode 2
PIV		08	SA_Op	Supply fan status
PIV		09	EA_Op	Exhaust fan status
PIV		10	Dmp	Damper
PIV		11	SW2	Setting of dip-switch 2
PIV		12	SW5	Setting of dip-switch 5

- **LC**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name
AI		01	OA_T	Outdoor air temperature x0.1 [°C]
AI		02	RA_T	Room air temperature x0.1 [°C]
AI		03	SA_T	Supply air temperature x0.1 [°C]
PIV		04	SA_SetIU	SA fan speed ordered from interlocked IC
PIV		05	EA_SetIU	EA fan speed ordered from interlocked IC
PIV		06	SA_SetRC	SA fan speed ordered from RC
PIV		07	EA_SetRC	EA fan speed ordered from RC
AI		08	TO	Target temperature x0.1 [°C]
PIV		09	O/F	Operation ON/OFF
PIV		10	VentMd1	Ventilation Mode 1
PIV		11	VentMd2	Ventilation Mode 2
PIV		12	SA_Op	Supply fan status
PIV		13	EA_Op	Exhaust fan status
PIV		14	Dmp	Damper
PIV		15	HumVlv	Humidifier Valve
PIV		16	Hum	Humidifying (humidifier ordered from RC)
PIV		17	Vent	Ventilation (damper ordered from RC)
PIV		18	SW2	Setting of dip-switch 2
PIV		19	SW5	Setting of dip-switch 5
PIV		20	SW6	Setting of dip-switch 6
PIV		21	SW7	Setting of dip-switch 7
PIV		22	MonOut	Monitor output status for TM3
AI		23	OA_Hum	Outdoor air relative humidity x0.1
PIV		24	CO2	CO2 concentration [x10ppm]
PIV		25	SA1_RPM	Actual RPM SA1
IV		26	SA1_PWM	Motor PWM SA1
PIV		27	EA1_RPM	Actual RPM EA1
IV		28	EA1_PWM	Motor PWM EA1
PIV		29	SA2_RPM	Actual RPM SA2
IV		30	SA2_PWM	Motor PWM SA2
PIV		31	EA2_RPM	Actual RPM EA2
IV		32	EA2_PWM	Motor PWM EA2

- **LC**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
AI		01	OA_T	Outdoor air temperature x0.1 [°C]	
AI		02	RA_T	Room air temperature x0.1 [°C]	
PIV		03	SA_SetIU	SA fan speed ordered from interlocked IC	
PIV		04	EA_SetIU	EA fan speed ordered from interlocked IC	
AI		05	TO	Target temperature x0.1 [°C]	
PIV		06	O/F	Operation ON/OFF	
PIV		07	SA_Op	Supply fan status	
PIV		08	EA_Op	Exhaust fan status	
PIV		09	Dmp	Damper	

- **PWFY**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
AI		01	TH6	Water inlet temperature x0.1 [°C]	
AI		02	TH8	Water outlet temperature x0.1 [°C]	
AI		03	TH22	Liquid side temperature x0.1 [°C]	
AI		04	TH23	Gas side temperature x0.1 [°C]	
AI		05	To	Set temperature x0.1 [°C]	
AI		06	SC	SubCooling x0.1 [°C]	
AI		07	SH	SuperHeat x0.1 [°C]	
PIV		08	LEV1W	Opening pulse [pls]	
PIV		09	CtrlM	Control Mode	
PIV		10	OpeM	Operation Mode	
PIV		11	O/F	Operation ON/OFF	
PIV		12	State	Operating condition	
PIV		13	AU_S	Operation control of the outdoor unit	
BI		14	SV1	Solenoid valve: bypass between gas pipe and liquid pipe	
BI		15	I/O	Water temperature sensor position	
BI		16	Dmnd	Demand	

- **PWFY**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
AI		01	TH6	Water inlet temperature x0.1 [°C]	
AI		02	TH8	Water outlet temperature x0.1 [°C]	
AI		03	TH22	Liquid side temperature x0.1 [°C]	
AI		04	TH13	Evaporator outlet temperature x0.1 [°C]	
AI		05	To	Set temperature x0.1 [°C]	
AI		06	TH11	Discharge temperature x0.1 [°C]	
AI		07	THHS	Heat sink temperature x0.1 [°C]	
PIV		08	LEV1W	Opening pulse [pls]	
PIV		09	CtrlM	Control Mode	
PIV		10	OpeM	Operation Mode	
PIV		11	O/F	Operation ON/OFF	
PIV		12	State	Operating condition	
PIV		13	BU_S	Operation control of the outdoor unit	
BI		14	I/O	Water temperature sensor position	

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
BI		15	Dmnd	Demand
AI		16	Te	Te x 0.1 [°C]
PIV		17	LEV2W	Opening pulse [pls]
AI		18	63HSW	High pressure x 0.1 [kg/cm2]
AI		19	63LSW	Low pressure x 0.1 [kg/cm2]
PIV		20	Vdc	Comp bus voltage [V]
AI		21	Iu	Current effective value x 0.1 [A]
IV		22	F(Hz)	Temporary compressor frequency for calculation [Hz]

- **CAHV**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
BI		01	OnOffLev	OnOffLev
BI		02	OnOffSet	OnOffSet
PIV		03	OnOffCtrl	OnOffCtrl
BI		04	WtrTCtrl	WtrTCtrl
BI		05	MnWtrTCtrl	MnWtrTCtrl
BI		06	TSet	TSet
BI		07	FnMd	FnMd
PIV		08	FnMdSt	FnMdSt
BI		09	HtWtr	HtWtr
PIV		10	Md	Md
BI		11	HtEc	HtEc
BI		12	AnFr	AnFr
BI		13	CopCap	CopCap
BI		14	MulCtrl	MulCtrl
PIV		15	DfrMd	DfrMd
BI		16	Dmnd	Demand
BI		17	63H1	63H1
BI		18	CN142-B3	CN142-B3
BI		19	CN142-C3	CN142-C3
BI		20	CN142-C4	CN142-C4
BI		21	CN142-D3	CN142-D3
BI		22	CN142-D4	CN142-D4
BI		23	CN142-D6	CN142-D6
AI		24	TH1	TH1
AI		25	TH2	TH2
AI		26	TH3	TH3
AI		27	TH4	TH4
AI		28	TH5	TH5
AI		29	TH6	TH6
AI		30	TH7	TH7
AI		31	TH8	TH8
AI		32	TH9	TH9
AI		33	TH10	TH10
AI		34	TH11	TH11
AI		35	TH12	TH12
AI		36	TH13	TH13
AI		37	TH14	TH14
AI		38	TH15	TH15
AI		39	TH16	TH16
AI		40	THHS	THHS
AI		41	HP1	HP1

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		42	LP1	LP1
AI		43	Idc	Idc
AI		44	Iu	Iu
AI		45	Iw	Iw
AI		46	Vdc	Vdc
AI		47	Ts	Ts
AI		48	Twi	Twi
AI		49	Two	Two
AI		50	Twq	Twq
AI		51	Tout	Tout
AI		52	SHs	SHs
AI		53	SH	SH
AI		54	THc10	THc10
AI		55	THc11	THc11
AI		56	THc12	THc12
AI		57	THc13	THc13
AI		58	THc14	THc14
AI		59	THc15	THc15
PIV		60	LEV1	LEV1
PIV		61	LEV2	LEV2
PIV		62	COMP1	COMP1
PIV		63	COMP2	COMP2
PIV		64	FAN	FAN
BI		65	X01	X01
BI		66	X02	X02
BI		67	X03	X03
BI		68	X04	X04
BI		69	X05	X05
BI		70	X06	X06
BI		71	X07	X07
BI		72	X08	X08
BI		73	X09	X09
BI		74	X72	X72
BI		75	CN52-2	CN52-2
BI		76	CN52-3	CN52-3
BI		77	CN52-4	CN52-4
BI		78	CNOUT	CNOUT
BI		79	CN52C	CN52C
PIV		80	L-n	L-n
PIV		81	DmndM	DmndM
PIV		82	Err	Last error code
PIV		83	TotHr	TotHr

3.2.6.2 ME PRO Outdoor Units

- **PUMY-P100-140Y/VHM/36-48NHMU**

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
AI		05	TH8	Thermistor 8 x 0.1 [°C]
AI		06	63HS	High pressure sensor x 0.1 [kg/cm2]
AI		07	Vdc	COMP bus voltage x 0.1 [V]
AI		08	Ii	Input Current x 0.1 [A]
AI		09	Ic	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
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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
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/cm2]
AI		08	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		09	Vdc	COMP bus voltage x 0.1 [V]
AI		10	Ii	Input Current x 0.1 [A]
AI		11	Ic	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]

- **MXZ series**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	OpeM	OPERATION MODE
PIV		02	State	State
PIV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	FAN	Fan output [Hz]
PIV		05	LEV_A	LEV_A [pls]
PIV		06	LEV_B	LEV_B [pls]
AI		07	Vdc	VDC x 0.1 [V]
AI		08	Ii	I(input) x 0.1 [A]
AI		09	Ic	I(comp) x 0.1 [A]
PIV		10	Wc	W(comp)
PIV		11	GR	GR
AI		12	63HS	High pressure sensor x 0.1 [kg/cm2]
AI		13	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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]
PIV		20	Dmnd(%)	Demand(%) [%]
AI		21	SC	SC x 0.1 [°C]
AI		22	SCm	SCm x 0.1 [°C]
AI		23	HicSC	HIC SC x 0.1 [°C]
AI		24	HicSCm	HIC 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
BI		31	SS/BH	SS/BH
BI		32	CN3D-2	CN3D-2
BI		33	CN3S-2	CN3S-2
BI		34	CN3N-2	CN3N-2
BI		35	CN3N-3	CN3N-3
BI		36	CN3D-3	CN3D-3
AI		37	Pdm	Pdm x 0.1 [kg/cm2]
AI		38	ETm	ETm x 0.1 [°C]
AI		39	SC1	SC1 x 0.1 [°C]
AI		40	SC2	SC2 x 0.1 [°C]
AI		41	SC3	SC3 x 0.1 [°C]
AI		42	SC4	SC4 x 0.1 [°C]
AI		43	SC5	SC5 x 0.1 [°C]
AI		44	SC6	SC6 x 0.1 [°C]
AI		45	SC7	SC7 x 0.1 [°C]
AI		46	SC8	SC8 x 0.1 [°C]
AI		47	SC9	SC9 x 0.1 [°C]
AI		48	SC10	SC10 x 0.1 [°C]
AI		49	SC11	SC11 x 0.1 [°C]
AI		50	SC12	SC12 x 0.1 [°C]
AI		51	SCm1	SCm1 x 0.1 [°C]
AI		52	SCm2	SCm2 x 0.1 [°C]
AI		53	SCm3	SCm3 x 0.1 [°C]
AI		54	SCm4	SCm4 x 0.1 [°C]
AI		55	SCm5	SCm5 x 0.1 [°C]
AI		56	SCm6	SCm6 x 0.1 [°C]
AI		57	SCm7	SCm7 x 0.1 [°C]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
AI		58		SCm8	SCm8 x 0.1 [°C]
AI		59		SCm9	SCm9 x 0.1 [°C]
AI		60		SCm10	SCm10 x 0.1 [°C]
AI		61		SCm11	SCm11 x 0.1 [°C]
AI		62		SCm12	SCm12 x 0.1 [°C]
PIV		63		LEV1	LEV1 Linear expansion valve [pls]
PIV		64		LEV2	LEV2 Linear expansion valve [pls]
PIV		65		LEV3	LEV3 Pulse [pls]
PIV		66		LEV4	Linear expansion valve [pls]
PIV		67		LEV5	LEV5 [pls]
PIV		68		LEV6	LEV6 [pls]
PIV		69		LEV7	LEV7 [pls]
PIV		70		LEV8	LEV8 [pls]
PIV		71		LEV9	LEV9 [pls]
PIV		72		LEV10	LEV10 [pls]
PIV		73		LEV11	LEV11 [pls]
PIV		74		LEV12	LEV12 [pls]

- **PUMY**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		OpeM	OPERATION MODE
PIV		02		State	State
PIV		03		F(Hz)	All temporary frequencies [Hz]
PIV		04		FAN	Fan output [Hz]
PIV		05		LEV_A	LEV_A [pls]
PIV		06		LEV_B	LEV_B [pls]
AI		07		Vdc	VDC x 0.1 [V]
AI		08		Ii	I(input) x 0.1 [A]
AI		09		Ic	I(comp) x 0.1 [A]
PIV		10		Wc	W(comp)
PIV		11		GR	GR
AI		12		63HS	High pressure sensor x 0.1 [kg/cm2]
AI		13		63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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]
PIV		20		Dmnd(%)	Demand(%) [%]
AI		21		SC	SC x 0.1 [°C]
AI		22		SCm	SCm x 0.1 [°C]
AI		23		HicSC	HIC SC x 0.1 [°C]
AI		24		HicSCm	HIC 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
BI		31		SS/BH	SS/BH
BI		32		CN3D-2	CN3D-2

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		33	CN3S-2	CN3S-2
BI		34	CN3N-2	CN3N-2
BI		35	CN3N-3	CN3N-3
BI		36	CN3D-3	CN3D-3
AI		37	Pdm	Pdm x 0.1 [kg/cm2]
AI		38	ETm	ETm x 0.1 [°C]
AI		39	SC1	SC1 x 0.1 [°C]
AI		40	SC2	SC2 x 0.1 [°C]
AI		41	SC3	SC3 x 0.1 [°C]
AI		42	SC4	SC4 x 0.1 [°C]
AI		43	SC5	SC5 x 0.1 [°C]
AI		44	SC6	SC6 x 0.1 [°C]
AI		45	SC7	SC7 x 0.1 [°C]
AI		46	SC8	SC8 x 0.1 [°C]
AI		47	SC9	SC9 x 0.1 [°C]
AI		48	SC10	SC10 x 0.1 [°C]
AI		49	SC11	SC11 x 0.1 [°C]
AI		50	SC12	SC12 x 0.1 [°C]
AI		51	SC13	SC13 x 0.1 [°C]
AI		52	SC14	SC14 x 0.1 [°C]
AI		53	SC15	SC15 x 0.1 [°C]
AI		54	SC16	SC16 x 0.1 [°C]
AI		55	SC17	SC17 x 0.1 [°C]
AI		56	SC18	SC18 x 0.1 [°C]
AI		57	SC19	SC19 x 0.1 [°C]
AI		58	SC20	SC20 x 0.1 [°C]
AI		59	SC21	SC21
AI		60	SC22	SC22
AI		61	SC23	SC23
AI		62	SC24	SC24
AI		63	SC25	SC25
AI		64	SC26	SC26
AI		65	SC27	SC27
AI		66	SC28	SC28
AI		67	SC29	SC29
AI		68	SC30	SC30
AI		69	SCm1	SCm1 x 0.1 [°C]
AI		70	SCm2	SCm2 x 0.1 [°C]
AI		71	SCm3	SCm3 x 0.1 [°C]
AI		72	SCm4	SCm4 x 0.1 [°C]
AI		73	SCm5	SCm5 x 0.1 [°C]
AI		74	SCm6	SCm6 x 0.1 [°C]
AI		75	SCm7	SCm7 x 0.1 [°C]
AI		76	SCm8	SCm8 x 0.1 [°C]
AI		77	SCm9	SCm9 x 0.1 [°C]
AI		78	SCm10	SCm10 x 0.1 [°C]
AI		79	SCm11	SCm11 x 0.1 [°C]
AI		80	SCm12	SCm12 x 0.1 [°C]
AI		81	SCm13	SCm13 x 0.1 [°C]
AI		82	SCm14	SCm14 x 0.1 [°C]
AI		83	SCm15	SCm15 x 0.1 [°C]
AI		84	SCm16	SCm16 x 0.1 [°C]
AI		85	SCm17	SCm17 x 0.1 [°C]
AI		86	SCm18	SCm18 x 0.1 [°C]
AI		87	SCm19	SCm19 x 0.1 [°C]
AI		88	SCm20	SCm20 x 0.1 [°C]
AI		89	SCm21	SCm21

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
AI		90	SCm22	SCm22
AI		91	SCm23	SCm23
AI		92	SCm24	SCm24
AI		93	SCm25	SCm25
AI		94	SC2m6	SC2m6
AI		95	SC2m7	SC2m7
AI		96	SCm28	SCm28
AI		97	SC2m9	SC2m9
AI		98	SCm30	SCm30
PIV		99	LEV1	LEV1 Linear expansion valve [pls]
PIV		100	LEV2	LEV2 Linear expansion valve [pls]
PIV		101	LEV3	LEV3 Pulse [pls]
PIV		102	LEV4	Linear expansion valve [pls]
PIV		103	LEV5	LEV5 [pls]
PIV		104	LEV6	LEV6 [pls]
PIV		105	LEV7	LEV7 [pls]
PIV		106	LEV8	LEV8 [pls]
PIV		107	LEV9	LEV9 [pls]
PIV		108	LEV10	LEV10 [pls]
PIV		109	LEV11	LEV11 [pls]
PIV		110	LEV12	LEV12 [pls]
PIV		111	LEV13	LEV13 [pls]
PIV		112	LEV14	LEV14 [pls]
PIV		113	LEV15	LEV15 [pls]
PIV		114	LEV16	LEV16 [pls]
PIV		115	LEV17	LEV17 [pls]
PIV		116	LEV18	LEV18 [pls]
PIV		117	LEV19	LEV19 [pls]
PIV		118	LEV20	LEV20 [pls]
PIV		119	LEV21	LEV21
PIV		120	LEV22	LEV22
PIV		121	LEV23	LEV23
PIV		122	LEV24	LEV24
PIV		123	LEV25	LEV25
PIV		124	LEV26	LEV26
PIV		125	LEV27	LEV27
PIV		126	LEV28	LEV28
PIV		127	LEV29	LEV29
PIV		128	LEV30	LEV30

- **PURY-P [capacity]**

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
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	
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	TH17	
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			
CSV		00	Type	Outdoor Unit Type Name	
PIV		01	CtrlM	Control Mode	
PIV		02	OpeM	Operation Mode	
IV		03	F(Hz)	All temporary frequencies [Hz]	
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]	
PIV		05	Foc	Temporary frequency [Hz]	
PIV		06	FAN	Fan output [Hz]	
IV		07	QjC	Total capacity Cool	
IV		08	QjH	Total capacity Heat	
PIV		09	LEV2	LEV2 Linear expansion valve [pls]	
PIV		10	LEV2b	LEV2b [pls]	
PIV		11	LEV2d	LEV2d	
AI		12	Iu	U-Phase current effective value x 0.1 [A]	
AI		13	Iw	W-Phase current effective value x 0.1 [A]	
PIV		14	AL	AL	
AI		15	LX	LX x 0.001	
PIV		16	FAN(rpm)	FAN(rpm) [rpm]	
IV		17	Vdc	Bus voltage [V]	

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		18	LEV9	LEV9 [pls]
AI		19	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		20	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH7	Thermistor 7 x 0.1 [°C]
AI		25	TH15	Thermistor 15 x 0.1 [°C]
AI		26	FAN-Ver	Fan1 SW version
PIV		27	Save	Capacity save signal [%]
PIV		28	OpeS	Operation Status
PIV		29	Attr	Attribute (OC/OS identification)
PIV		30	M-NetSupUn	M-NET supply unit
PIV		31	StrtUpUn	Start-up unit
AI		32	Tc	Condensing temperature x 0.1 [°C]
AI		33	Te	Evaporating temperature x 0.1 [°C]
AI		34	THHS	Thermistor 9 x 0.1 [°C]
BI		35	Dmnd	Demand
BI		36	SV1a	SV1(A)/SV1a
BI		37	Dmnd2	Demand2
BI		38	Nqt	Night
BI		39	Nqt2	Night2
BI		40	Snow	Snow
BI		41	21S4a	21S4a
BI		42	21S4b	21S4b
PIV		43	ALh	ALh
BI		44	SV2	SV2
IV		45	AK	Heat exchanger capacity
AI		46	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		47	RotTm	Rotation timer
BI		48	IH	IH
PIV		49	FAN-Fr	Fan1 run status
BI		50	RefChrgAdj	Ref Charge Adj
BI		51	WM	WM
BI		52	Rep	Repeater output
BI		53	72C	72C
BI		54	CompON	Comp ON
BI		55	M-NetSup	M-NET supply
PIV		56	Err	Error code
PIV		57	ErrDet	Error detail code
PIV		58	ErrSrc	Error source address
PIV		59	MntErr	Maintenance error code
PIV		60	MntErrDet	Maintenance error detail code
PIV		61	MntErrSrc	Maintenance error source address
PIV		62	PrelErr	Preliminary error code
PIV		63	PrelErrDet	Preliminary error detail code
PIV		64	PrelErrSrc	Preliminary error source address

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

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
AI		14	LX	LX x 0.001
PIV		15	FAN(rpm)	FAN(rpm) [rpm]
PIV		16	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		17	FAN-Fr	Fan1 run status
PIV		18	FAN2-Fr	Fan2 run status
PIV		19	FAN2	FAN2
IV		20	Vdc	Bus voltage [V]
PIV		21	LEV2b	LEV2b [pls]
PIV		22	LEV2d	LEV2d
PIV		23	LEV9	LEV9 [pls]
AI		24	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		25	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		26	TH3	Thermistor 3 x 0.1 [°C]
AI		27	TH4	Thermistor 4 x 0.1 [°C]
AI		28	TH5	Thermistor 5 x 0.1 [°C]
AI		29	TH7	Thermistor 7 x 0.1 [°C]
AI		30	TH15	Thermistor 15 x 0.1 [°C]
AI		31	FAN-Ver	Fan1 SW version
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
PIV		35	M-NetSupUn	M-NET supply unit
PIV		36	StrtUpUn	Start-up unit
AI		37	FAN2-Ver	Fan2 SW version
BI		38	RefChrgAdj	Ref Charge Adj
AI		39	Tc	Condensing temperature x 0.1 [°C]
AI		40	Te	Evaporating temperature x 0.1 [°C]
AI		41	THHS	Thermistor 9 x 0.1 [°C]
BI		42	21S4a	21S4a
BI		43	21S4b	21S4b
BI		44	SV1a	SV1(A)/SV1a
BI		45	SV2	SV2
IV		46	AK	Heat exchanger capacity
PIV		47	Err	Error code
PIV		48	ErrDet	Error detail code
PIV		49	ErrSrc	Error source address
PIV		50	MntErr	Maintenance error code
PIV		51	MntErrDet	Maintenance error detail code
PIV		52	MntErrSrc	Maintenance error source address
PIV		53	PrelErr	Preliminary error code
PIV		54	PrelErrDet	Preliminary error detail code
PIV		55	PrelErrSrc	Preliminary error source address
AI		56	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		57	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		58	Dmnd	Demand
BI		59	Dmnd2	Demand2

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
BI		60	Ngt	Night
BI		61	Ngt2	Night2
BI		62	Snow	Snow
BI		63	WM	WM
AI		64	RotTm	Rotation timer
BI		65	Rep	Repeater output
BI		66	72C	72C
BI		67	CompOn	Comp ON
BI		68	M-NetSup	M-NET supply
BI		69	IH	IH
PIV		70	ALh	ALh

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV2	LEV2 Linear expansion valve [pls]
AI		09	Idc	Direct current x 0.1 [A]
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		12	AL	AL
PIV		13	FAN(rpm)	FAN(rpm) [rpm]
PIV		14	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		15	FAN-Fr	Fan1 run status
PIV		16	FAN2-Fr	Fan2 run status
PIV		17	FAN2	FAN2
IV		18	Vdc	Bus voltage [V]
PIV		19	LEV2b	LEV2b [pls]
PIV		20	LEV2d	LEV2d
PIV		21	LEV9	LEV9 [pls]
AI		22	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		23	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH7	Thermistor 7 x 0.1 [°C]
AI		28	TH15	Thermistor 15 x 0.1 [°C]
AI		29	FAN-Ver	Fan1 SW version
PIV		30	Save	Capacity save signal [%]
PIV		31	OpeS	Operation Status
PIV		32	Attr	Attribute (OC/OS identification)
AI		33	FAN2-Ver	Fan2 SW version
AI		34	Tc	Condensing temperature x 0.1 [°C]
AI		35	Te	Evaporating temperature x 0.1 [°C]
AI		36	THHS	Thermistor 9 x 0.1 [°C]
BI		37	21S4a	21S4a
BI		38	21S4b	21S4b

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		39	SV1a	SV1(A)/SV1a
BI		40	SV2	SV2
IV		41	AK	Heat exchanger capacity
PIV		42	Err	Error code
PIV		43	ErrDet	Error detail code
PIV		44	ErrSrc	Error source address
PIV		45	MntErr	Maintenance error code
PIV		46	MntErrDet	Maintenance error detail code
PIV		47	MntErrSrc	Maintenance error source address
PIV		48	PrelErr	Preliminary error code
PIV		49	PrelErrDet	Preliminary error detail code
PIV		50	PrelErrSrc	Preliminary error source address
AI		51	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		52	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		53	Dmnd	Demand
BI		54	Dmnd2	Demand2
BI		55	Nqt	Night
BI		56	Nqt2	Night2
BI		57	Snow	Snow
BI		58	WM	WM
BI		59	Rep	Repeater output
BI		60	72C	72C
BI		61	CompOn	Comp ON
BI		62	M-NetSup	M-NET supply
BI		63	IH	IH
PIV		64	ALh	ALh

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV4	Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		15	LX	LX x 0.001
PIV		16	FAN(rpm)	FAN(rpm) [rpm]
IV		17	Vdc	Bus voltage [V]
PIV		18	LEV2b	LEV2b [pls]
PIV		19	LEV2d	LEV2d
PIV		20	LEV9	LEV9 [pls]
AI		21	63HS1	63HS1 Pressure sensor 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]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
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		28	FAN-Ver	Fan1 SW version
PIV		29	Save	Capacity save signal [%]
PIV		30	OpeS	Operation Status
PIV		31	Attr	Attribute (OC/OS identification)
PIV		32	M-NetSupUn	M-NET supply unit
PIV		33	StrtUpUn	Start-up unit
AI		34	Tc	Condensing temperature x 0.1 [°C]
AI		35	Te	Evaporating temperature x 0.1 [°C]
AI		36	THHS	Thermistor 9 x 0.1 [°C]
IV		37	AK	Heat exchanger capacity
PIV		38	Err	Error code
PIV		39	ErrDet	Error detail code
PIV		40	ErrSrc	Error source address
PIV		41	MntErr	Maintenance error code
PIV		42	MntErrDet	Maintenance error detail code
PIV		43	MntErrSrc	Maintenance error source address
PIV		44	PrelErr	Preliminary error code
PIV		45	PrelErrDet	Preliminary error detail code
PIV		46	PrelErrSrc	Preliminary error source address
AI		47	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		48	RotTm	Rotation timer
BI		49	Dmnd	Demand
BI		50	SV1a	SV1(A)/SV1a
BI		51	Dmnd2	Demand2
BI		52	Snow	Snow
BI		53	Ngt	Night
BI		54	Ngt2	Night2
BI		55	21S4a	21S4a
BI		56	21S4b	21S4b
BI		57	IH	IH
PIV		58	FAN-Fr	Fan1 run status
BI		59	RefChrgAdj	Ref Charge Adj
BI		60	WM	WM
BI		61	Rep	Repeater output
BI		62	72C	72C
BI		63	CompOn	Comp ON
BI		64	M-NetSup	M-NET supply
PIV		65	ALh	ALh
BI		66	SV2	SV2

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

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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		13	AL	AL
AI		14	LX	LX x 0.001
PIV		15	FAN(rpm)	FAN(rpm) [rpm]
PIV		16	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		17	FAN-Fr	Fan1 run status
PIV		18	FAN2-Fr	Fan2 run status
PIV		19	FAN2	FAN2
IV		20	Vdc	Bus voltage [V]
PIV		21	LEV2b	LEV2b [pls]
PIV		22	LEV2d	LEV2d
PIV		23	LEV9	LEV9 [pls]
AI		24	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		25	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		26	TH3	Thermistor 3 x 0.1 [°C]
AI		27	TH4	Thermistor 4 x 0.1 [°C]
AI		28	TH5	Thermistor 5 x 0.1 [°C]
AI		29	TH7	Thermistor 7 x 0.1 [°C]
AI		30	TH15	Thermistor 15 x 0.1 [°C]
AI		31	FAN-Ver	Fan1 SW version
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
PIV		35	M-NetSupUn	M-NET supply unit
PIV		36	StrtUpUn	Start-up unit
AI		37	FAN2-Ver	Fan2 SW version
BI		38	RefChrgAdj	Ref Charge Adj
AI		39	Tc	Condensing temperature x 0.1 [°C]
AI		40	Te	Evaporating temperature x 0.1 [°C]
AI		41	THHS	Thermistor 9 x 0.1 [°C]
BI		42	21S4a	21S4a
BI		43	21S4b	21S4b
BI		44	SV1a	SV1(A)/SV1a
BI		45	SV2	SV2
IV		46	AK	Heat exchanger capacity
PIV		47	Err	Error code
PIV		48	ErrDet	Error detail code
PIV		49	ErrSrc	Error source address
PIV		50	MntErr	Maintenance error code
PIV		51	MntErrDet	Maintenance error detail code
PIV		52	MntErrSrc	Maintenance error source address
PIV		53	PrelErr	Preliminary error code
PIV		54	PrelErrDet	Preliminary error detail code
PIV		55	PrelErrSrc	Preliminary error source address
AI		56	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		57	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		58	Dmnd	Demand
BI		59	Dmnd2	Demand2
BI		60	Ngt	Night
BI		61	Ngt2	Night2
BI		62	Snow	Snow
BI		63	WM	WM

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
AI		64	RotTm	Rotation timer
BI		65	Rep	Repeater output
BI		66	72C	72C
BI		67	CompOn	Comp ON
BI		68	M-NetSup	M-NET supply
BI		69	IH	IH
PIV		70	ALh	ALh

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV4	Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		15	LX	LX x 0.001
PIV		16	FAN(rpm)	FAN(rpm) [rpm]
PIV		17	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		18	FAN-Fr	Fan1 run status
PIV		19	FAN2-Fr	Fan2 run status
PIV		20	FAN2	FAN2
IV		21	Vdc	Bus voltage [V]
PIV		22	LEV2b	LEV2b [pls]
PIV		23	LEV2c	LEV2c [pls]
PIV		24	LEV2d	LEV2d
PIV		25	LEV9	LEV9 [pls]
AI		26	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		27	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		28	TH3	Thermistor 3 x 0.1 [°C]
AI		29	TH4	Thermistor 4 x 0.1 [°C]
AI		30	TH5	Thermistor 5 x 0.1 [°C]
AI		31	TH7	Thermistor 7 x 0.1 [°C]
AI		32	TH15	Thermistor 15 x 0.1 [°C]
AI		33	TH16	Thermistor 16 x 0.1 [°C]
AI		34	TH17	TH17
AI		35	TH18	Thermistor 18 x 0.1 [°C]
AI		36	FAN-Ver	Fan1 SW version
PIV		37	Save	Capacity save signal [%]
PIV		38	OpeS	Operation Status
PIV		39	Attr	Attribute (OC/OS identification)
PIV		40	M-NetSupUn	M-NET supply unit
PIV		41	StrtUpUn	Start-up unit
AI		42	FAN2-Ver	Fan2 SW version

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
BI		43	RefChrgAdj	Ref Charge Adj
AI		44	Tc	Condensing temperature x 0.1 [°C]
AI		45	Te	Evaporating temperature x 0.1 [°C]
AI		46	THHS	Thermistor 9 x 0.1 [°C]
BI		47	21S4a	21S4a
BI		48	21S4b	21S4b
BI		49	21S4c	21S4c
BI		50	SV1a	SV1(A)/SV1a
BI		51	SV2	SV2
IV		52	AK	Heat exchanger capacity
PIV		53	Err	Error code
PIV		54	ErrDet	Error detail code
PIV		55	ErrSrc	Error source address
PIV		56	MntErr	Maintenance error code
PIV		57	MntErrDet	Maintenance error detail code
PIV		58	MntErrSrc	Maintenance error source address
PIV		59	PrelErr	Preliminary error code
PIV		60	PrelErrDet	Preliminary error detail code
PIV		61	PrelErrSrc	Preliminary error source address
AI		62	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		63	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		64	Dmnd	Demand
BI		65	Dmnd2	Demand2
BI		66	Nqt	Night
BI		67	Nqt2	Night2
BI		68	Snow	Snow
BI		69	WM	WM
AI		70	RotTm	Rotation timer
BI		71	Rep	Repeater output
BI		72	72C	72C
BI		73	CompON	Comp ON
BI		74	M-NetSup	M-NET supply
BI		75	IH	IH
BI		76	CH21	CH21
PIV		77	ALh	ALh

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

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV2	LEV2 Linear expansion valve [pls]
PIV		09	LEV4	Linear expansion valve [pls]
AI		10	Iu	U-Phase current effective value x 0.1 [A]
AI		11	Iw	W-Phase current effective value x 0.1 [A]
PIV		12	AL	AL
PIV		13	FAN(rpm)	FAN(rpm) [rpm]
PIV		14	FAN2(rpm)	FAN2(rpm) [rpm]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		15	FAN-Fr	Fan1 run status
PIV		16	FAN2-Fr	Fan2 run status
PIV		17	FAN2	FAN2
IV		18	Vdc	Bus voltage [V]
PIV		19	LEV2b	LEV2b [pls]
PIV		20	LEV2d	LEV2d
PIV		21	LEV9	LEV9 [pls]
AI		22	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		23	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH7	Thermistor 7 x 0.1 [°C]
AI		28	TH15	Thermistor 15 x 0.1 [°C]
AI		29	FAN-Ver	Fan1 SW version
PIV		30	Save	Capacity save signal [%]
PIV		31	OpeS	Operation Status
PIV		32	Attr	Attribute (OC/OS identification)
AI		33	FAN2-Ver	Fan2 SW version
AI		34	Tc	Condensing temperature x 0.1 [°C]
AI		35	Te	Evaporating temperature x 0.1 [°C]
AI		36	THHS	Thermistor 9 x 0.1 [°C]
BI		37	21S4a	21S4a
BI		38	21S4b	21S4b
BI		39	SV1a	SV1(A)/SV1a
BI		40	SV2	SV2
IV		41	AK	Heat exchanger capacity
PIV		42	Err	Error code
PIV		43	ErrDet	Error detail code
PIV		44	ErrSrc	Error source address
PIV		45	MntErr	Maintenance error code
PIV		46	MntErrDet	Maintenance error detail code
PIV		47	MntErrSrc	Maintenance error source address
PIV		48	PrelErr	Preliminary error code
PIV		49	PrelErrDet	Preliminary error detail code
PIV		50	PrelErrSrc	Preliminary error source address
AI		51	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		52	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		53	Dmnd	Demand
BI		54	Dmnd2	Demand2
BI		55	Ngt	Night
BI		56	Ngt2	Night2
BI		57	Snow	Snow
BI		58	WM	WM
BI		59	Rep	Repeater output
BI		60	72C	72C
BI		61	CompOn	Comp ON
BI		62	M-NetSup	M-NET supply
BI		63	IH	IH
PIV		64	ALh	ALh

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV4	Linear expansion valve [pls]
AI		11	Iu	U-Phase current effective value x 0.1 [A]
AI		12	Iw	W-Phase current effective value x 0.1 [A]
PIV		13	AL	AL
AI		14	LX	LX x 0.001
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		38	TH18	Thermistor 18 x 0.1 [°C]
AI		39	FAN-Ver	Fan1 SW version
PIV		40	Save	Capacity save signal [%]
PIV		41	OpeS	Operation Status
PIV		42	Attr	Attribute (OC/OS identification)
PIV		43	M-NetSupUn	M-NET supply unit
PIV		44	StrtUpUn	Start-up unit
AI		45	FAN2-Ver	Fan2 SW version
AI		46	Tc	Condensing temperature x 0.1 [°C]
AI		47	Te	Evaporating temperature x 0.1 [°C]
AI		48	THHS	Thermistor 9 x 0.1 [°C]
BI		49	SV1a	SV1(A)/SV1a
BI		50	Dmnd	Demand
BI		51	Dmnd2	Demand2
BI		52	Ngt	Night
BI		53	Ngt2	Night2
BI		54	Snow	Snow
BI		55	21S4a	21S4a
BI		56	21S4b	21S4b

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Instance Index		
BI		57	CH21	CH21
PIV		58	ALh	ALh
BI		59	SV2	SV2
BI		60	SV10	SV10
IV		61	AK	Heat exchanger capacity
PIV		62	Err	Error code
PIV		63	ErrDet	Error detail code
PIV		64	ErrSrc	Error source address
PIV		65	MntErr	Maintenance error code
PIV		66	MntErrDet	Maintenance error detail code
PIV		67	MntErrSrc	Maintenance error source address
PIV		68	PrelErr	Preliminary error code
PIV		69	PrelErrDet	Preliminary error detail code
PIV		70	PrelErrSrc	Preliminary error source address
AI		71	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		72	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
AI		73	RotTm	Rotation timer
BI		74	SV3	SV3
PIV		75	DtaColl	DtaColl

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Instance Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV2	LEV2 Linear expansion valve [pls]
PIV		09	LEV4	Linear expansion valve [pls]
AI		10	Iu	U-Phase current effective value x 0.1 [A]
AI		11	Iw	W-Phase current effective value x 0.1 [A]
PIV		12	AL	AL
PIV		13	FAN(rpm)	FAN(rpm) [rpm]
PIV		14	FAN2(rpm)	FAN2(rpm) [rpm]
BI		15	IH	IH
PIV		16	FAN-Fr	Fan1 run status
PIV		17	FAN2-Fr	Fan2 run status
BI		18	WM	WM
BI		19	Rep	Repeater output
BI		20	72C	72C
BI		21	CompOn	Comp ON
BI		22	M-NetSup	M-NET supply
PIV		23	FAN2	FAN2
IV		24	Vdc	Bus voltage [V]
PIV		25	LEV2b	LEV2b [pls]
PIV		26	LEV2d	LEV2d
PIV		27	LEV9	LEV9 [pls]
AI		28	63HS1	63HS1 Pressure sensor 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]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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		36	FAN-Ver	Fan1 SW version
PIV		37	Save	Capacity save signal [%]
PIV		38	OpeS	Operation Status
PIV		39	Attr	Attribute (OC/OS identification)
AI		40	FAN2-Ver	Fan2 SW version
AI		41	Tc	Condensing temperature x 0.1 [°C]
AI		42	Te	Evaporating temperature x 0.1 [°C]
AI		43	THHS	Thermistor 9 x 0.1 [°C]
BI		44	SV1a	SV1(A)/SV1a
BI		45	Dmnd	Demand
BI		46	Dmnd2	Demand2
BI		47	Nqt	Night
BI		48	Nqt2	Night2
BI		49	Snow	Snow
BI		50	21S4a	21S4a
BI		51	21S4b	21S4b
BI		52	CH21	CH21
PIV		53	ALh	ALh
BI		54	SV2	SV2
BI		55	SV10	SV10
IV		56	AK	Heat exchanger capacity
PIV		57	Err	Error code
PIV		58	ErrDet	Error detail code
PIV		59	ErrSrc	Error source address
PIV		60	MntErr	Maintenance error code
PIV		61	MntErrDet	Maintenance error detail code
PIV		62	MntErrSrc	Maintenance error source address
PIV		63	PrelErr	Preliminary error code
PIV		64	PrelErrDet	Preliminary error detail code
PIV		65	PrelErrSrc	Preliminary error source address
AI		66	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		67	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		68	SV3	SV3

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	TH1	Thermistor 1 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]

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

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

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV2b	LEV2b [pls]
PIV		11	LEV2d	LEV2d
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	LX	LX x 0.001
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		27	FAN-Ver	Fan1 SW version
PIV		28	Save	Capacity save signal [%]
PIV		29	OpeS	Operation Status
PIV		30	Attr	Attribute (OC/OS identification)
PIV		31	M-NetSupUn	M-NET supply unit
PIV		32	StrtUpUn	Start-up unit
AI		33	Tc	Condensing temperature x 0.1 [°C]
AI		34	Te	Evaporating temperature x 0.1 [°C]
AI		35	THHS	Thermistor 9 x 0.1 [°C]
BI		36	21S4a	21S4a

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		37	21S4b	21S4b
BI		38	SV1a	SV1(A)/SV1a
BI		39	Dmnd	Demand
BI		40	Dmnd2	Demand2
BI		41	Ngt	Night
BI		42	Ngt2	Night2
BI		43	Snow	Snow
BI		44	SV2	SV2
IV		45	AK	Heat exchanger capacity
AI		46	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		47	RotTm	Rotation timer
PIV		48	FAN-Fr	Fan1 run status
BI		49	WM	WM
BI		50	Rep	Repeater output
BI		51	72C	72C
BI		52	CompOn	Comp ON
BI		53	M-NetSup	M-NET supply
BI		54	IH	IH

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV2b	LEV2b [pls]
PIV		11	LEV2d	LEV2d
AI		12	Iu	U-Phase current effective value x 0.1 [A]
AI		13	Iw	W-Phase current effective value x 0.1 [A]
PIV		14	AL	AL
AI		15	LX	LX x 0.001
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		28	FAN-Ver	Fan1 SW version
AI		29	FAN2-Ver	Fan2 SW version
PIV		30	Save	Capacity save signal [%]
PIV		31	OpeS	Operation Status

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		32		Attr	Attribute (OC/OS identification)
PIV		33		M-NetSupUn	M-NET supply unit
PIV		34		StrtUpUn	Start-up unit
AI		35		Tc	Condensing temperature x 0.1 [°C]
AI		36		Te	Evaporating temperature x 0.1 [°C]
AI		37		THHS	Thermistor 9 x 0.1 [°C]
BI		38		SV1a	SV1(A)/SV1a
BI		39		Dmnd	Demand
BI		40		Dmnd2	Demand2
BI		41		Nqt	Night
BI		42		Nqt2	Night2
BI		43		Snow	Snow
BI		44		21S4a	21S4a
BI		45		21S4b	21S4b
BI		46		SV2	SV2
IV		47		AK	Heat exchanger capacity
AI		48		THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		49		THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
AI		50		RotTm	Rotation timer
BI		51		IH	IH
PIV		52		FAN-Fr	Fan1 run status
PIV		53		FAN2-Fr	Fan2 run status
BI		54		WM	WM
BI		55		Rep	Repeater output
BI		56		72C	72C
BI		57		CompON	Comp ON
BI		58		M-NetSup	M-NET supply
PIV		59		Err	Error code
PIV		60		ErrDet	Error detail code
PIV		61		ErrSrc	Error source address
PIV		62		MntErr	Maintenance error code
PIV		63		MntErrDet	Maintenance error detail code
PIV		64		MntErrSrc	Maintenance error source address
PIV		65		PrelErr	Preliminary error code
PIV		66		PrelErrDet	Preliminary error detail code
PIV		67		PrelErrSrc	Preliminary error source address
PIV		68		DtaColl	DtaColl

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		CtrlM	Control Mode
PIV		02		OpeM	Operation Mode
PIV		03		F1	Temporary frequency of No.1 COMP [Hz]
PIV		04		Fos	Temporary frequency [Hz]
PIV		05		FAN	Fan output [Hz]
IV		06		QjC	Total capacity Cool
IV		07		QjH	Total capacity Heat
PIV		08		LEV2	LEV2 Linear expansion valve [pls]
PIV		09		LEV2b	LEV2b [pls]
PIV		10		LEV2d	LEV2d
AI		11		Iu	U-Phase current effective value x 0.1 [A]
AI		12		Iw	W-Phase current effective value x 0.1 [A]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
PIV		13	AL	AL
PIV		14	FAN(rpm)	FAN(rpm) [rpm]
IV		15	Vdc	Bus voltage [V]
PIV		16	LEV9	LEV9 [pls]
AI		17	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		18	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH7	Thermistor 7 x 0.1 [°C]
AI		23	TH15	Thermistor 15 x 0.1 [°C]
AI		24	FAN-Ver	Fan1 SW version
PIV		25	Save	Capacity save signal [%]
PIV		26	OpeS	Operation Status
PIV		27	Attr	Attribute (OC/OS identification)
AI		28	Tc	Condensing temperature x 0.1 [°C]
AI		29	Te	Evaporating temperature x 0.1 [°C]
AI		30	THHS	Thermistor 9 x 0.1 [°C]
BI		31	Dmnd	Demand
BI		32	SV1a	SV1(A)/SV1a
BI		33	Dmnd2	Demand2
BI		34	Nqt	Night
BI		35	Nqt2	Night2
BI		36	Snow	Snow
BI		37	21S4a	21S4a
BI		38	21S4b	21S4b
BI		39	SV2	SV2
IV		40	AK	Heat exchanger capacity
AI		41	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
BI		42	IH	IH
PIV		43	FAN-Fr	Fan1 run status
BI		44	WM	WM
BI		45	Rep	Repeater output
BI		46	72C	72C
BI		47	CompON	Comp ON
BI		48	M-NetSup	M-NET supply
PIV		49	Err	Error code
PIV		50	ErrDet	Error detail code
PIV		51	ErrSrc	Error source address
PIV		52	MntErr	Maintenance error code
PIV		53	MntErrDet	Maintenance error detail code
PIV		54	MntErrSrc	Maintenance error source address
PIV		55	PrelErr	Preliminary error code
PIV		56	PrelErrDet	Preliminary error detail code
PIV		57	PrelErrSrc	Preliminary error source address

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

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV2	LEV2 Linear expansion valve [pls]
PIV		09	LEV2b	LEV2b [pls]
PIV		10	LEV2d	LEV2d
AI		11	Iu	U-Phase current effective value x 0.1 [A]
AI		12	Iw	W-Phase current effective value x 0.1 [A]
PIV		13	AL	AL
PIV		14	FAN(rpm)	FAN(rpm) [rpm]
PIV		15	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		16	FAN2	FAN2
IV		17	Vdc	Bus voltage [V]
PIV		18	LEV9	LEV9 [pls]
AI		19	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		20	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH7	Thermistor 7 x 0.1 [°C]
AI		25	TH15	Thermistor 15 x 0.1 [°C]
AI		26	FAN-Ver	Fan1 SW version
AI		27	FAN2-Ver	Fan2 SW version
PIV		28	Save	Capacity save signal [%]
PIV		29	OpeS	Operation Status
PIV		30	Attr	Attribute (OC/OS identification)
AI		31	Tc	Condensing temperature x 0.1 [°C]
AI		32	Te	Evaporating temperature x 0.1 [°C]
AI		33	THHS	Thermistor 9 x 0.1 [°C]
BI		34	Dmnd	Demand
BI		35	SV1a	SV1(A)/SV1a
BI		36	Dmnd2	Demand2
BI		37	Ngt	Night
BI		38	Ngt2	Night2
BI		39	Snow	Snow
BI		40	21S4a	21S4a
BI		41	21S4b	21S4b
BI		42	SV2	SV2
IV		43	AK	Heat exchanger capacity
AI		44	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		45	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		46	IH	IH
PIV		47	FAN-Fr	Fan1 run status
PIV		48	FAN2-Fr	Fan2 run status
BI		49	WM	WM
BI		50	Rep	Repeater output
BI		51	72C	72C
BI		52	CompOn	Comp ON
BI		53	M-NetSup	M-NET supply
PIV		54	Err	Error code
PIV		55	ErrDet	Error detail code
PIV		56	ErrSrc	Error source address
PIV		57	MntErr	Maintenance error code
PIV		58	MntErrDet	Maintenance error detail code
PIV		59	MntErrSrc	Maintenance error source address
PIV		60	PrelErr	Preliminary error code
PIV		61	PrelErrDet	Preliminary error detail code

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type		Instance					
		VA		Index			
PIV				62		PrelErrSrc	Preliminary error source address

- **PURY-P [capacity] YNW-A**

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type		Instance					
		VA		Index			
CSV				00		Type	Outdoor Unit Type Name
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]
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		Nqt	Night
BI				24		Nqt2	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	TH17
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
AI				46		FAN-Ver	Fan1 SW version
PIV				47		Save	Capacity save signal [%]
PIV				48		OpeS	Operation Status

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
PIV		49	Attr	Attribute (OC/OS identification)
PIV		50	StrtUpUn	Start-up unit
AI		51	RotTm	Rotation timer

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

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV2b	LEV2b [pls]
PIV		11	LEV2d	LEV2d
AI		12	Iu	U-Phase current effective value x 0.1 [A]
AI		13	Iw	W-Phase current effective value x 0.1 [A]
PIV		14	AL	AL
AI		15	LX	LX x 0.001
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		28	FAN-Ver	Fan1 SW version
AI		29	FAN2-Ver	Fan2 SW version
PIV		30	Save	Capacity save signal [%]
PIV		31	OpeS	Operation Status
PIV		32	Attr	Attribute (OC/OS identification)
PIV		33	M-NetSupUn	M-NET supply unit
PIV		34	StrtUpUn	Start-up unit
AI		35	Tc	Condensing temperature x 0.1 [°C]
AI		36	Te	Evaporating temperature x 0.1 [°C]
AI		37	THHS	Thermistor 9 x 0.1 [°C]
BI		38	21S4a	21S4a
BI		39	21S4b	21S4b
BI		40	SV1a	SV1(A)/SV1a
BI		41	Dmnd	Demand
BI		42	Dmnd2	Demand2
BI		43	Ngt	Night
BI		44	Ngt2	Night2
BI		45	Snow	Snow
BI		46	SV2	SV2

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
IV	47		AK	Heat exchanger capacity
AI	48		THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI	49		THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
AI	50		RotTm	Rotation timer
PIV	51		FAN-Fr	Fan1 run status
PIV	52		FAN2-Fr	Fan2 run status
BI	53		WM	WM
BI	54		Rep	Repeater output
BI	55		72C	72C
BI	56		CompOn	Comp ON
BI	57		M-NetSup	M-NET supply
BI	58		IH	IH
PIV	59		Err	Error code
PIV	60		ErrDet	Error detail code
PIV	61		ErrSrc	Error source address
PIV	62		MntErr	Maintenance error code
PIV	63		MntErrDet	Maintenance error detail code
PIV	64		MntErrSrc	Maintenance error source address
PIV	65		PrelErr	Preliminary error code
PIV	66		PrelErrDet	Preliminary error detail code
PIV	67		PrelErrSrc	Preliminary error source address

- **PURY-P [capacity]**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV	00		Type	Outdoor Unit Type Name
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/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		F(Hz)	All temporary frequencies [Hz]
PIV	17		FAN	Fan output [Hz]
PIV	18		QjC	Total capacity Cool
PIV	19		QjH	Total capacity Heat

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

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
IV		03		F(Hz)	All temporary frequencies [Hz]
PIV		04		F1	Temporary frequency of No.1 COMP [Hz]
PIV		05		Foc	Temporary frequency [Hz]
PIV		06		FAN	Fan output [Hz]
IV		07		QjC	Total capacity Cool
IV		08		QjH	Total capacity Heat
AI		09		Iu	U-Phase current effective value x 0.1 [A]
AI		10		Iw	W-Phase current effective value x 0.1 [A]
PIV		11		AL	AL
PIV		12		FAN(rpm)	FAN(rpm) [rpm]
PIV		13		FAN2(rpm)	FAN2(rpm) [rpm]
PIV		14		FAN2	FAN2
IV		15		Vdc	Bus voltage [V]
PIV		16		LEV2b	LEV2b [pls]
PIV		17		LEV2c	LEV2c [pls]
AI		18		63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		19		63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		TH7	Thermistor 7 x 0.1 [°C]
AI		24		TH15	Thermistor 15 x 0.1 [°C]
AI		25		FAN-Ver	Fan1 SW version
AI		26		FAN2-Ver	Fan2 SW version
PIV		27		Save	Capacity save signal [%]
PIV		28		OpeS	Operation Status
PIV		29		Attr	Attribute (OC/OS identification)
PIV		30		M-NetSupUn	M-NET supply unit
PIV		31		StrtUpUn	Start-up unit
AI		32		Tc	Condensing temperature x 0.1 [°C]
AI		33		Te	Evaporating temperature x 0.1 [°C]
AI		34		THHS	Thermistor 9 x 0.1 [°C]
AI		35		LX	LX x 0.001
IV		36		AK	Heat exchanger capacity
AI		37		THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		38		THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
AI		39		RotTm	Rotation timer
PIV		40		Err	Error code
PIV		41		ErrDet	Error detail code
PIV		42		ErrSrc	Error source address
PIV		43		MntErr	Maintenance error code
PIV		44		MntErrDet	Maintenance error detail code
PIV		45		MntErrSrc	Maintenance error source address
PIV		46		PrelErr	Preliminary error code
PIV		47		PrelErrDet	Preliminary error detail code
PIV		48		PrelErrSrc	Preliminary error source address
BI		49		Dmnd	Demand
BI		50		SV1a	SV1(A)/SV1a
BI		51		Dmnd2	Demand2
BI		52		Snow	Snow
BI		53		Ngt	Night
BI		54		Ngt2	Night2
BI		55		21S4a	21S4a
BI		56		21S4b	21S4b
BI		57		21S4c	21S4c
BI		58		IH	IH
PIV		59		FAN-Fr	Fan1 run status

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		60	FAN2-Fr	Fan2 run status
BI		61	WM	WM
BI		62	Rep	Repeater output
BI		63	72C	72C
BI		64	CompOn	Comp ON
BI		65	M-NetSup	M-NET supply
BI		66	SV2	SV2

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV2	LEV2 Linear expansion valve [pls]
PIV		09	LEV2b	LEV2b [pls]
PIV		10	LEV2c	LEV2c [pls]
PIV		11	LEV2d	LEV2d
PIV		12	LEV9	LEV9 [pls]
AI		13	Iu	U-Phase current effective value x 0.1 [A]
AI		14	Iw	W-Phase current effective value x 0.1 [A]
PIV		15	AL	AL
PIV		16	FAN(rpm)	FAN(rpm) [rpm]
PIV		17	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		18	FAN2	FAN2
IV		19	Vdc	Bus voltage [V]
AI		20	63HS1	63HS1 Pressure sensor 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		27	FAN-Ver	Fan1 SW version
AI		28	FAN2-Ver	Fan2 SW version
PIV		29	Save	Capacity save signal [%]
PIV		30	OpeS	Operation Status
PIV		31	Attr	Attribute (OC/OS identification)
AI		32	Tc	Condensing temperature x 0.1 [°C]
AI		33	Te	Evaporating temperature x 0.1 [°C]
AI		34	THHS	Thermistor 9 x 0.1 [°C]
IV		35	AK	Heat exchanger capacity
AI		36	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		37	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
PIV		38	Err	Error code
PIV		39	ErrDet	Error detail code
PIV		40	ErrSrc	Error source address
PIV		41	MntErr	Maintenance error code
PIV		42	MntErrDet	Maintenance error detail code

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
PIV		43	MntErrSrc	Maintenance error source address
PIV		44	PrelErr	Preliminary error code
PIV		45	PrelErrDet	Preliminary error detail code
PIV		46	PrelErrSrc	Preliminary error source address
BI		47	Dmnd	Demand
BI		48	SV1a	SV1(A)/SV1a
BI		49	Dmnd2	Demand2
BI		50	Snow	Snow
BI		51	Nqt	Night
BI		52	Nqt2	Night2
BI		53	21S4a	21S4a
BI		54	21S4b	21S4b
BI		55	21S4c	21S4c
BI		56	IH	IH
PIV		57	FAN-Fr	Fan1 run status
PIV		58	FAN2-Fr	Fan2 run status
BI		59	WM	WM
BI		60	Rep	Repeater output
BI		61	72C	72C
BI		62	CompOn	Comp ON
BI		63	M-NetSup	M-NET supply
BI		64	SV2	SV2

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

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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]
IV		17	QjC	Total capacity Cool
IV		18	QjH	Total capacity Heat
BI		19	Dmnd	Demand
BI		20	SV1a	SV1(A)/SV1a
BI		21	Dmnd2	Demand2
BI		22	Snow	Snow
BI		23	Nqt	Night
BI		24	Nqt2	Night2
BI		25	21S4a	21S4a
BI		26	SV5b	SV5b
BI		27	SV9	SV9

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
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	TH17
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], PURY-(W) [capacity]**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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]
IV		17	QjC	Total capacity Cool
IV		18	QjH	Total capacity Heat

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

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI		05	TH7	Thermistor 7 x 0.1 [°C]
AI		06	FAN-Ver	Fan1 SW version
PIV		07	Save	Capacity save signal [%]
PIV		08	OpeS	Operation Status
PIV		09	Attr	Attribute (OC/OS identification)
AI		10	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
AI		11	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		12	THHS	Thermistor 9 x 0.1 [°C]
IV		13	AK	Heat exchanger capacity
AI		14	Tc	Condensing temperature x 0.1 [°C]
AI		15	Te	Evaporating temperature x 0.1 [°C]
AI		16	Vdc	COMP bus voltage x 0.1 [V]
AI		17	Idc	Direct current x 0.1 [A]
AI		18	Iu	U-Phase current effective value x 0.1 [A]
AI		19	Iw	W-Phase current effective value x 0.1 [A]
PIV		20	AL	AL
PIV		21	FAN	Fan output [Hz]
IV		22	QjC	Total capacity Cool
IV		23	QjH	Total capacity Heat
BI		24	Dmnd	Demand
BI		25	SV1a	SV1(A)/SV1a
BI		26	Dmnd2	Demand2
BI		27	Snow	Snow
BI		28	Ngt	Night
BI		29	Ngt2	Night2
BI		30	21S4a	21S4a
BI		31	SV5b	SV5b
BI		32	IH	IH
PIV		33	FAN-Fr	Fan1 run status
BI		34	AF	Active Filter
BI		35	WM	WM
BI		36	Rep	Repeater output
BI		37	72C	72C
BI		38	CompOn	Comp ON
BI		39	M-NetSup	M-NET supply
BI		40	SV9	SV9
BI		41	SV4a	SV4a
BI		42	SV4b	SV4b
BI		43	SV4d	SV4d
PIV		44	Fos	Temporary frequency [Hz]
PIV		45	FAN(rpm)	FAN(rpm) [rpm]
PIV		46	OpeM	Operation Mode
PIV		47	CtrlM	Control Mode
PIV		48	F1	Temporary frequency of No.1 COMP [Hz]
PIV		49	LEV5a	LEV5a [pls]

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

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

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

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV5a	LEV5a [pls]
PIV		10	LEV5b	LEV5b
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
PIV		15	FAN(rpm)	FAN(rpm) [rpm]
PIV		16	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		17	FAN2	FAN2
IV		18	Vdc	Bus voltage [V]
AI		19	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		20	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH17
AI		29	TH18	Thermistor 18 x 0.1 [°C]
AI		30	FAN-Ver	Fan1 SW version
AI		31	FAN2-Ver	Fan2 SW version
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
PIV		35	M-NetSupUn	M-NET supply unit
PIV		36	StrtUpUn	Start-up unit
AI		37	Tc	Condensing temperature x 0.1 [°C]
AI		38	Te	Evaporating temperature x 0.1 [°C]
AI		39	THHS	Thermistor 9 x 0.1 [°C]
AI		40	LX	LX x 0.001
IV		41	AK	Heat exchanger capacity
AI		42	RotTm	Rotation timer
BI		43	Dmnd	Demand

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
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-HP [capacity] TKMU/YKMU**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV4	Linear expansion valve [pls]
PIV		10	LEV5a	LEV5a [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		15	LX	LX x 0.001
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/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		24	TH9	Thermistor 9 x 0.1 [°C]
AI		25	TH11	Thermistor 11 x 0.1 [°C]
AI		26	FAN-Ver	Fan1 SW version

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
PIV		27	Save	Capacity save signal [%]
PIV		28	OpeS	Operation Status
PIV		29	Attr	Attribute (OC/OS identification)
PIV		30	M-NetSupUn	M-NET supply unit
PIV		31	StrtUpUn	Start-up unit
AI		32	Tc	Condensing temperature x 0.1 [°C]
AI		33	Te	Evaporating temperature x 0.1 [°C]
AI		34	THHS	Thermistor 9 x 0.1 [°C]
BI		35	Dmnd	Demand
BI		36	SV1a	SV1(A)/SV1a
BI		37	Dmnd2	Demand2
BI		38	Ngt	Night
BI		39	Ngt2	Night2
BI		40	Snow	Snow
BI		41	21S4a	21S4a
BI		42	SV5b	SV5b
BI		43	SV9	SV9
BI		44	SV4a	SV4a
BI		45	SV4b	SV4b
BI		46	SV4d	SV4d
BI		47	SV10	SV10
BI		48	SV11	SV11
IV		49	AK	Heat exchanger capacity
AI		50	RotTm	Rotation timer
BI		51	IH	IH
BI		52	H-Def1	H-Def1
BI		53	H-Def2	H-Def2
PIV		54	FAN-Fr	Fan1 run status
BI		55	AF	Active Filter
BI		56	WM	WM
BI		57	Rep	Repeater output
BI		58	72C	72C
BI		59	CompOn	Comp ON
BI		60	M-NetSup	M-NET supply

- **PURY-M [capacity] YNW-A/A1**

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV2b	LEV2b [pls]
PIV		11	LEV2d	LEV2d
PIV		12	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		15	AL	AL

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
AI		16	LX	LX x 0.001
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		27	FAN-Ver	Fan1 SW version
PIV		28	Save	Capacity save signal [%]
PIV		29	OpeS	Operation Status
PIV		30	Attr	Attribute (OC/OS identification)
PIV		31	M-NetSupUn	M-NET supply unit
PIV		32	StrtUpUn	Start-up unit
AI		33	Tc	Condensing temperature 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
IV		45	AK	Heat exchanger capacity
AI		46	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		47	RotTm	Rotation timer
BI		48	IH	IH
PIV		49	FAN-Fr	Fan1 run status
BI		50	WM	WM
BI		51	Rep	Repeater output
BI		52	72C	72C
BI		53	CompOn	Comp ON
BI		54	M-NetSup	M-NET supply
PIV		55	Err	Error code
PIV		56	ErrDet	Error detail code
PIV		57	ErrSrc	Error source address
PIV		58	MntErr	Maintenance error code
PIV		59	MntErrDet	Maintenance error detail code
PIV		60	MntErrSrc	Maintenance error source address
PIV		61	PrelErr	Preliminary error code
PIV		62	PrelErrDet	Preliminary error detail code
PIV		63	PrelErrSrc	Preliminary error source address
PIV		64	DtaColl	DtaColl

- **PURY-P [capacity]**

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

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

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
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 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV5a	LEV5a [pls]
AI		10	Iu	U-Phase current effective value x 0.1 [A]
AI		11	Iw	W-Phase current effective value x 0.1 [A]
PIV		12	AL	AL
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]
AI		22	TH15	Thermistor 15 x 0.1 [°C]
AI		23	TH16	Thermistor 16 x 0.1 [°C]
AI		24	TH17	TH17
AI		25	TH18	Thermistor 18 x 0.1 [°C]
AI		26	FAN-Ver	Fan1 SW version
PIV		27	Save	Capacity save signal [%]
PIV		28	OpeS	Operation Status
PIV		29	Attr	Attribute (OC/OS identification)
PIV		30	M-NetSupUn	M-NET supply unit
PIV		31	StrtUpUn	Start-up unit
AI		32	Tc	Condensing temperature x 0.1 [°C]
AI		33	Te	Evaporating temperature x 0.1 [°C]
AI		34	THHS	Thermistor 9 x 0.1 [°C]
AI		35	LX	LX x 0.001
IV		36	AK	Heat exchanger capacity
AI		37	RotTm	Rotation timer

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
BI		38	SV1a	SV1(A)/SV1a
BI		39	Dmnd	Demand
BI		40	Dmnd2	Demand2
BI		41	Ngt	Night
BI		42	Ngt2	Night2
BI		43	Snow	Snow
BI		44	21S4a	21S4a
BI		45	SV5b	SV5b
PIV		46	FAN-Fr	Fan1 run status
BI		47	WM	WM
BI		48	Rep	Repeater output
BI		49	72C	72C
BI		50	CompOn	Comp ON
BI		51	M-NetSup	M-NET supply
BI		52	IH	IH
BI		53	SV9	SV9
BI		54	SV4a	SV4a
BI		55	SV4b	SV4b
BI		56	SV4d	SV4d
BI		57	CH21	CH21
PIV		58	ALh	ALh
BI		59	SV7	SV7

- **PURY-P [capacity] (T/Y)LMU**

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV5a	LEV5a [pls]
PIV		10	LEV5b	LEV5b
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
PIV		15	FAN(rpm)	FAN(rpm) [rpm]
PIV		16	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		17	FAN2	FAN2
IV		18	Vdc	Bus voltage [V]
AI		19	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		20	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
AI		28	TH17	TH17
AI		29	TH18	Thermistor 18 x 0.1 [°C]
AI		30	FAN-Ver	Fan1 SW version
AI		31	FAN2-Ver	Fan2 SW version
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
PIV		35	M-NetSupUn	M-NET supply unit
PIV		36	StrtUpUn	Start-up unit
AI		37	Tc	Condensing temperature x 0.1 [°C]
AI		38	Te	Evaporating temperature x 0.1 [°C]
AI		39	THHS	Thermistor 9 x 0.1 [°C]
AI		40	LX	LX x 0.001
IV		41	AK	Heat exchanger capacity
AI		42	RotTm	Rotation timer
BI		43	Dmnd	Demand
BI		44	SV1a	SV1(A)/SV1a
BI		45	Dmnd2	Demand2
BI		46	Snow	Snow
BI		47	Nqt	Night
BI		48	Nqt2	Night2
BI		49	21S4a	21S4a
BI		50	21S4b	21S4b
BI		51	SV5b	SV5b
BI		52	IH	IH
PIV		53	FAN-Fr	Fan1 run status
PIV		54	FAN2-Fr	Fan2 run status
BI		55	WM	WM
BI		56	Rep	Repeater output
BI		57	72C	72C
BI		58	CompOn	Comp ON
BI		59	M-NetSup	M-NET supply
BI		60	SV9	SV9
BI		61	SV4a	SV4a
BI		62	SV4b	SV4b
BI		63	SV4c	SV4c
BI		64	SV4d	SV4d
BI		65	CH21	CH21
PIV		66	ALh	ALh
BI		67	SV7	SV7

- **PURY-P [capacity] TLMU/YLMU**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV5a	LEV5a [pls]
AI		09	Iu	U-Phase current effective value x 0.1 [A]

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
AI		10	Iw	W-Phase current effective value x 0.1 [A]
PIV		11	AL	AL
PIV		12	FAN(rpm)	FAN(rpm) [rpm]
IV		13	Vdc	Bus voltage [V]
AI		14	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		15	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH17
AI		24	TH18	Thermistor 18 x 0.1 [°C]
AI		25	FAN-Ver	Fan1 SW version
PIV		26	Save	Capacity save signal [%]
PIV		27	OpeS	Operation Status
PIV		28	Attr	Attribute (OC/OS identification)
AI		29	Tc	Condensing temperature x 0.1 [°C]
AI		30	Te	Evaporating temperature x 0.1 [°C]
AI		31	THHS	Thermistor 9 x 0.1 [°C]
IV		32	AK	Heat exchanger capacity
BI		33	SV1a	SV1(A)/SV1a
BI		34	Dmnd	Demand
BI		35	Dmnd2	Demand2
BI		36	Ngt	Night
BI		37	Ngt2	Night2
BI		38	Snow	Snow
BI		39	21S4a	21S4a
BI		40	SV5b	SV5b
PIV		41	FAN-Fr	Fan1 run status
BI		42	WM	WM
BI		43	Rep	Repeater output
BI		44	72C	72C
BI		45	CompOn	Comp ON
BI		46	M-NetSup	M-NET supply
BI		47	IH	IH
BI		48	SV9	SV9
BI		49	SV4a	SV4a
BI		50	SV4b	SV4b
BI		51	SV4d	SV4d
BI		52	CH21	CH21
PIV		53	ALh	ALh
BI		54	SV7	SV7

- **PURY-P [capacity] TLMU/YLMU**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV5a	LEV5a [pls]
PIV		09	LEV5b	LEV5b
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
PIV		14	FAN(rpm)	FAN(rpm) [rpm]
PIV		15	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		16	FAN2	FAN2
IV		17	Vdc	Bus voltage [V]
AI		18	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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	TH15	Thermistor 15 x 0.1 [°C]
AI		26	TH16	Thermistor 16 x 0.1 [°C]
AI		27	TH17	TH17
AI		28	TH18	Thermistor 18 x 0.1 [°C]
AI		29	FAN-Ver	Fan1 SW version
AI		30	FAN2-Ver	Fan2 SW version
PIV		31	Save	Capacity save signal [%]
PIV		32	OpeS	Operation Status
PIV		33	Attr	Attribute (OC/OS identification)
AI		34	Tc	Condensing temperature x 0.1 [°C]
AI		35	Te	Evaporating temperature x 0.1 [°C]
AI		36	THHS	Thermistor 9 x 0.1 [°C]
IV		37	AK	Heat exchanger capacity
BI		38	Dmnd	Demand
BI		39	SV1a	SV1(A)/SV1a
BI		40	Dmnd2	Demand2
BI		41	Snow	Snow
BI		42	Ngt	Night
BI		43	Ngt2	Night2
BI		44	21S4a	21S4a
BI		45	21S4b	21S4b
BI		46	SV5b	SV5b
BI		47	IH	IH
PIV		48	FAN-Fr	Fan1 run status
PIV		49	FAN2-Fr	Fan2 run status
BI		50	WM	WM
BI		51	Rep	Repeater output
BI		52	72C	72C
BI		53	CompOn	Comp ON
BI		54	M-NetSup	M-NET supply
BI		55	SV9	SV9
BI		56	SV4a	SV4a
BI		57	SV4b	SV4b
BI		58	SV4c	SV4c
BI		59	SV4d	SV4d
BI		60	CH21	CH21
PIV		61	ALh	ALh

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type		Instance					
		VA		Index			
BI				62		SV7	SV7

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

Object Identifier bits						Short Name	Object Description
31	22	21	8	7	0		
Type		Instance					
		VA		Index			
CSV				00		Type	Outdoor Unit Type Name
PIV				01		CtrlM	Control Mode
PIV				02		OpeM	Operation Mode
IV				03		F(Hz)	All temporary frequencies [Hz]
PIV				04		F1	Temporary frequency of No.1 COMP [Hz]
PIV				05		Foc	Temporary frequency [Hz]
PIV				06		FAN	Fan output [Hz]
IV				07		QjC	Total capacity Cool
IV				08		QjH	Total capacity Heat
AI				09		Idc	Direct current x 0.1 [A]
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				12		AL	AL
AI				13		Vdc	COMP bus voltage x 0.1 [V]
AI				14		63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI				15		63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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				20		FAN-Ver	Fan1 SW version
PIV				21		Save	Capacity save signal [%]
PIV				22		OpeS	Operation Status
PIV				23		Attr	Attribute (OC/OS identification)
PIV				24		M-NetSupUn	M-NET supply unit
PIV				25		StrtUpUn	Start-up unit
AI				26		Tc	Condensing temperature 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]
AI				30		LX	LX x 0.001
IV				31		AK	Heat exchanger capacity
BI				32		SV1a	SV1(A)/SV1a
BI				33		Dmnd	Demand
BI				34		Dmnd2	Demand2
BI				35		Ngt	Night
BI				36		Ngt2	Night2
BI				37		Snow	Snow
BI				38		21S4a	21S4a
BI				39		SV5b	SV5b
BI				40		SV5c	SV5c
BI				41		Pwr	Power source frequency
BI				42		WM	WM
BI				43		Rep	Repeater output
BI				44		M-NetSup	M-NET supply
BI				45		SV9	SV9
BI				46		SV4a	SV4a
BI				47		SV4b	SV4b
BI				48		SV4d	SV4d

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
BI		49	SV2	SV2
BI		50	INV-FAN1	INV-FAN1

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
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	TH17
AI		16	TH18	Thermistor 18 x 0.1 [°C]
BI		17	Dmnd	Demand
BI		18	Snow	Snow
BI		19	Ngt	Night
BI		20	Ngt2	Night2
BI		21	Dmnd2	Demand2
BI		22	21S4a	21S4a
BI		23	SV1a	SV1(A)/SV1a
BI		24	SV5b	SV5b
BI		25	SV5c	SV5c
AI		26	Iu	U-Phase current effective value x 0.1 [A]
AI		27	Iw	W-Phase current effective value x 0.1 [A]
PIV		28	FAN	Fan output [Hz]
PIV		29	CtrlM	Control Mode
IV		30	QjC	Total capacity Cool
IV		31	QjH	Total capacity Heat
IV		32	F(Hz)	All temporary frequencies [Hz]
PIV		33	Foc	Temporary frequency [Hz]
BI		34	CH21	CH21
PIV		35	ALh	ALh
BI		36	SV2	SV2
BI		37	SV9	SV9
BI		38	SV4a	SV4a
BI		39	SV4b	SV4b
BI		40	SV4d	SV4d

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

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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	Iu	U-Phase current effective value x 0.1 [A]
AI		15	Iw	W-Phase current effective value x 0.1 [A]
AI		16	TH17	TH17
PIV		17	FAN	Fan output [Hz]
PIV		18	Fos	Temporary frequency [Hz]
IV		19	QjC	Total capacity Cool
IV		20	QjH	Total capacity Heat
AI		21	TH18	Thermistor 18 x 0.1 [°C]
PIV		22	OpeM	Operation Mode
BI		23	Dmnd	Demand
BI		24	Snow	Snow
BI		25	Ngt	Night
BI		26	Ngt2	Night2
BI		27	Dmnd2	Demand2
BI		28	21S4a	21S4a
BI		29	SV1a	SV1(A)/SV1a
BI		30	SV5b	SV5b
BI		31	SV5c	SV5c
BI		32	CH21	CH21
PIV		33	ALh	ALh
BI		34	SV2	SV2
BI		35	SV9	SV9
BI		36	SV4a	SV4a
BI		37	SV4b	SV4b
BI		38	SV4d	SV4d

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV4	Linear expansion valve [pls]
AI		11	Iu	U-Phase current effective value x 0.1 [A]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		12	Iw	W-Phase current effective value x 0.1 [A]
PIV		13	AL	AL
PIV		14	FAN(rpm)	FAN(rpm) [rpm]
PIV		15	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		16	FAN2	FAN2
IV		17	Vdc	Bus voltage [V]
PIV		18	LEV2b	LEV2b [pls]
PIV		19	LEV2d	LEV2d
PIV		20	LEV9	LEV9 [pls]
AI		21	63HS1	63HS1 Pressure sensor 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		28	FAN-Ver	Fan1 SW version
AI		29	FAN2-Ver	Fan2 SW version
PIV		30	Save	Capacity save signal [%]
PIV		31	OpeS	Operation Status
PIV		32	Attr	Attribute (OC/OS identification)
PIV		33	M-NetSupUn	M-NET supply unit
PIV		34	StrtUpUn	Start-up unit
AI		35	Tc	Condensing temperature x 0.1 [°C]
AI		36	Te	Evaporating temperature x 0.1 [°C]
AI		37	THHS	Thermistor 9 x 0.1 [°C]
AI		38	LX	LX x 0.001
IV		39	AK	Heat exchanger capacity
AI		40	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		41	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
AI		42	RotTm	Rotation timer
PIV		43	Err	Error code
PIV		44	ErrDet	Error detail code
PIV		45	ErrSrc	Error source address
PIV		46	MntErr	Maintenance error code
PIV		47	MntErrDet	Maintenance error detail code
PIV		48	MntErrSrc	Maintenance error source address
PIV		49	PrelErr	Preliminary error code
PIV		50	PrelErrDet	Preliminary error detail code
PIV		51	PrelErrSrc	Preliminary error source address
BI		52	Dmnd	Demand
BI		53	SV1a	SV1(A)/SV1a
BI		54	Dmnd2	Demand2
BI		55	Snow	Snow
BI		56	Ngt	Night
BI		57	Ngt2	Night2
BI		58	21S4a	21S4a
BI		59	21S4b	21S4b
BI		60	IH	IH
PIV		61	FAN-Fr	Fan1 run status
PIV		62	FAN2-Fr	Fan2 run status
BI		63	RefChrgAdj	Ref Charge Adj
BI		64	WM	WM
BI		65	Rep	Repeater output
BI		66	72C	72C
BI		67	CompON	Comp ON
BI		68	M-NetSup	M-NET supply

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
PIV		69	ALh	ALh
BI		70	SV2	SV2

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

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV2	LEV2 Linear expansion valve [pls]
PIV		09	LEV4	Linear expansion valve [pls]
AI		10	Iu	U-Phase current effective value x 0.1 [A]
AI		11	Iw	W-Phase current effective value x 0.1 [A]
PIV		12	AL	AL
PIV		13	FAN(rpm)	FAN(rpm) [rpm]
PIV		14	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		15	FAN2	FAN2
IV		16	Vdc	Bus voltage [V]
PIV		17	LEV2b	LEV2b [pls]
PIV		18	LEV2d	LEV2d
PIV		19	LEV9	LEV9 [pls]
AI		20	63HS1	63HS1 Pressure sensor 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		27	FAN-Ver	Fan1 SW version
AI		28	FAN2-Ver	Fan2 SW version
PIV		29	Save	Capacity save signal [%]
PIV		30	OpeS	Operation Status
PIV		31	Attr	Attribute (OC/OS identification)
AI		32	Tc	Condensing temperature x 0.1 [°C]
AI		33	Te	Evaporating temperature x 0.1 [°C]
AI		34	THHS	Thermistor 9 x 0.1 [°C]
IV		35	AK	Heat exchanger capacity
AI		36	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		37	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
PIV		38	Err	Error code
PIV		39	ErrDet	Error detail code
PIV		40	ErrSrc	Error source address
PIV		41	MntErr	Maintenance error code
PIV		42	MntErrDet	Maintenance error detail code
PIV		43	MntErrSrc	Maintenance error source address
PIV		44	PrelErr	Preliminary error code
PIV		45	PrelErrDet	Preliminary error detail code
PIV		46	PrelErrSrc	Preliminary error source address
BI		47	Dmnd	Demand

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
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-EP [capacity] YLM-A**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV5a	LEV5a [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
AI		14	LX	LX x 0.001
PIV		15	FAN(rpm)	FAN(rpm) [rpm]
IV		16	Vdc	Bus voltage [V]
AI		17	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		18	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		24	TH9	Thermistor 9 x 0.1 [°C]
AI		25	TH11	Thermistor 11 x 0.1 [°C]
AI		26	FAN-Ver	Fan1 SW version
PIV		27	Save	Capacity save signal [%]
PIV		28	OpeS	Operation Status
PIV		29	Attr	Attribute (OC/OS identification)
PIV		30	M-NetSupUn	M-NET supply unit
PIV		31	StrtUpUn	Start-up unit
AI		32	Tc	Condensing temperature x 0.1 [°C]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		33	Te	Evaporating temperature x 0.1 [°C]
AI		34	THHS	Thermistor 9 x 0.1 [°C]
BI		35	SV1a	SV1(A)/SV1a
BI		36	Dmnd	Demand
BI		37	Dmnd2	Demand2
BI		38	Ngt	Night
BI		39	Ngt2	Night2
BI		40	Snow	Snow
BI		41	21S4a	21S4a
BI		42	SV5b	SV5b
BI		43	SV9	SV9
BI		44	SV4a	SV4a
BI		45	SV4b	SV4b
BI		46	SV4d	SV4d
BI		47	SV10	SV10
BI		48	SV11	SV11
IV		49	AK	Heat exchanger capacity
AI		50	RotTm	Rotation timer
BI		51	IH	IH
PIV		52	FAN-Fr	Fan1 run status
BI		53	WM	WM
BI		54	Rep	Repeater output
BI		55	72C	72C
BI		56	CompOn	Comp ON
BI		57	M-NetSup	M-NET supply
BI		58	SV7	SV7

- **PURY-EP [capacity] YLM-A**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV5a	LEV5a [pls]
PIV		10	LEV5b	LEV5b
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		15	LX	LX x 0.001
PIV		16	FAN(rpm)	FAN(rpm) [rpm]
PIV		17	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		18	FAN2	FAN2
IV		19	Vdc	Bus voltage [V]
AI		20	63HS1	63HS1 Pressure sensor 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]

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
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		27	TH9	Thermistor 9 x 0.1 [°C]
AI		28	TH11	Thermistor 11 x 0.1 [°C]
AI		29	TH12	Thermistor 12 x 0.1 [°C]
AI		30	FAN-Ver	Fan1 SW version
AI		31	FAN2-Ver	Fan2 SW version
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
PIV		35	M-NetSupUn	M-NET supply unit
PIV		36	StrtUpUn	Start-up unit
AI		37	Tc	Condensing temperature x 0.1 [°C]
AI		38	Te	Evaporating temperature x 0.1 [°C]
AI		39	THHS	Thermistor 9 x 0.1 [°C]
BI		40	SV1a	SV1(A)/SV1a
BI		41	Dmnd	Demand
BI		42	Dmnd2	Demand2
BI		43	Nqt	Night
BI		44	Nqt2	Night2
BI		45	Snow	Snow
BI		46	21S4a	21S4a
BI		47	21S4b	21S4b
BI		48	SV5b	SV5b
BI		49	SV9	SV9
BI		50	SV4a	SV4a
BI		51	SV4b	SV4b
BI		52	SV4c	SV4c
BI		53	SV4d	SV4d
BI		54	SV10	SV10
BI		55	SV11	SV11
IV		56	AK	Heat exchanger capacity
AI		57	RotTm	Rotation timer
BI		58	IH	IH
PIV		59	FAN-Fr	Fan1 run status
PIV		60	FAN2-Fr	Fan2 run status
BI		61	WM	WM
BI		62	Rep	Repeater output
BI		63	72C	72C
BI		64	CompON	Comp ON
BI		65	M-NetSup	M-NET supply
BI		66	SV7	SV7

- **PURY-EP [capacity] YLM-A**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
IV		07	QjH	Total capacity Heat
PIV		08	LEV5a	LEV5a [pls]
AI		09	Idc	Direct current x 0.1 [A]
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		12	AL	AL
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]
AI		22	TH9	Thermistor 9 x 0.1 [°C]
AI		23	TH11	Thermistor 11 x 0.1 [°C]
AI		24	FAN-Ver	Fan1 SW version
PIV		25	Save	Capacity save signal [%]
PIV		26	OpeS	Operation Status
PIV		27	Attr	Attribute (OC/OS identification)
AI		28	Tc	Condensing temperature x 0.1 [°C]
AI		29	Te	Evaporating temperature x 0.1 [°C]
AI		30	THHS	Thermistor 9 x 0.1 [°C]
BI		31	SV1a	SV1(A)/SV1a
BI		32	Dmnd	Demand
BI		33	Dmnd2	Demand2
BI		34	Ngt	Night
BI		35	Ngt2	Night2
BI		36	Snow	Snow
BI		37	21S4a	21S4a
BI		38	SV5b	SV5b
BI		39	SV9	SV9
BI		40	SV4a	SV4a
BI		41	SV4b	SV4b
BI		42	SV4d	SV4d
BI		43	SV10	SV10
BI		44	SV11	SV11
IV		45	AK	Heat exchanger capacity
BI		46	IH	IH
PIV		47	FAN-Fr	Fan1 run status
BI		48	WM	WM
BI		49	Rep	Repeater output
BI		50	72C	72C
BI		51	CompOn	Comp ON
BI		52	M-NetSup	M-NET supply
BI		53	SV7	SV7

- **PURY-P [capacity] YLM-A**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	TH3	Thermistor 3 x 0.1 [°C]
AI		02	TH4	Thermistor 4 x 0.1 [°C]

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

- **PURY-P [capacity] YLM-A**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV5a	LEV5a [pls]
PIV		10	LEV5b	LEV5b
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		15	LX	LX x 0.001
PIV		16	FAN(rpm)	FAN(rpm) [rpm]
PIV		17	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		18	FAN2	FAN2
IV		19	Vdc	Bus voltage [V]
AI		20	63HS1	63HS1 Pressure sensor 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	TH6	Inlet pipe temperature of the heat exchanger x 0.1 [°C]
AI		26	TH7	Thermistor 7 x 0.1 [°C]
AI		27	TH9	Thermistor 9 x 0.1 [°C]
AI		28	TH11	Thermistor 11 x 0.1 [°C]
AI		29	TH12	Thermistor 12 x 0.1 [°C]
AI		30	FAN-Ver	Fan1 SW version
AI		31	FAN2-Ver	Fan2 SW version

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
PIV		35	M-NetSupUn	M-NET supply unit
PIV		36	StrtUpUn	Start-up unit
AI		37	Tc	Condensing temperature x 0.1 [°C]
AI		38	Te	Evaporating temperature x 0.1 [°C]
AI		39	THHS	Thermistor 9 x 0.1 [°C]
BI		40	SV1a	SV1(A)/SV1a
BI		41	Dmnd	Demand
BI		42	Dmnd2	Demand2
BI		43	Ngt	Night
BI		44	Ngt2	Night2
BI		45	Snow	Snow
BI		46	21S4a	21S4a
BI		47	21S4b	21S4b
BI		48	SV5b	SV5b
BI		49	SV9	SV9
BI		50	SV4a	SV4a
BI		51	SV4b	SV4b
BI		52	SV4c	SV4c
BI		53	SV4d	SV4d
BI		54	SV10	SV10
BI		55	SV11	SV11
IV		56	AK	Heat exchanger capacity
AI		57	RotTm	Rotation timer
BI		58	IH	IH
PIV		59	FAN-Fr	Fan1 run status
PIV		60	FAN2-Fr	Fan2 run status
BI		61	WM	WM
BI		62	Rep	Repeater output
BI		63	72C	72C
BI		64	CompOn	Comp ON
BI		65	M-NetSup	M-NET supply

- **PUHY-P [capacity]**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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]
IV		15	F(Hz)	All temporary frequencies [Hz]

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

- **PUHY-P [capacity]**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
AI		01	TH2	Thermistor 2 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]	
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	

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
BI		26	Snow	Snow
BI		27	Ngt	Night
BI		28	Ngt2	Night2
BI		29	21S4a	21S4a
BI		30	21S4b	21S4b
BI		31	21S4c	21S4c
BI		32	SV5b	SV5b
BI		33	SV5c	SV5c
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 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2	LEV2 Linear expansion valve [pls]
PIV		11	LEV4	Linear expansion valve [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	Vdc	COMP bus voltage x 0.1 [V]
AI		17	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		18	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		25	FAN-Ver	Fan1 SW version
PIV		26	Save	Capacity save signal [%]
PIV		27	OpeS	Operation Status
PIV		28	Attr	Attribute (OC/OS identification)
PIV		29	M-NetSupUn	M-NET supply unit
PIV		30	StrtUpUn	Start-up unit
AI		31	SCo	Heat exchanger outlet subcooling 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]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance VA	Index		
AI		37	THBOX	Thermistor in box x 0.1 [°C]
IV		38	AK	Heat exchanger capacity
AI		39	RotTm	Rotation timer
BI		40	Dmnd	Demand
BI		41	Dmnd2	Demand2
BI		42	Ngt	Night
BI		43	Ngt2	Night2
BI		44	Snow	Snow
BI		45	SV1a	SV1(A)/SV1a
BI		46	21S4a	21S4a
BI		47	21S4b	21S4b
BI		48	SV5b	SV5b
BI		49	SV9	SV9
BI		50	SV2	SV2
BI		51	SV6	SV6
BI		52	Pwr	Power source frequency
BI		53	WM	WM
BI		54	Rep	Repeater output
BI		55	72C	72C
BI		56	CompOn	Comp ON
BI		57	M-NetSup	M-NET supply
BI		58	CH11	CH11
BI		59	INV-FAN1	INV-FAN1

- **PUHY-HP [capacity] TJMU-A**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV4	Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
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		24	FAN-Ver	Fan1 SW version
PIV		25	Save	Capacity save signal [%]
PIV		26	OpeS	Operation Status

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
PIV		27	Attr	Attribute (OC/OS identification)
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]
IV		35	AK	Heat exchanger capacity
AI		36	RotTm	Rotation timer
BI		37	Dmnd	Demand
BI		38	Dmnd2	Demand2
BI		39	Ngt	Night
BI		40	Ngt2	Night2
BI		41	Snow	Snow
BI		42	SV1a	SV1(A)/SV1a
BI		43	21S4a	21S4a
BI		44	21S4b	21S4b
BI		45	SV5b	SV5b
BI		46	SV9	SV9
BI		47	SV2	SV2
BI		48	SV6	SV6
BI		49	Pwr	Power source frequency
BI		50	WM	WM
BI		51	Rep	Repeater output
BI		52	72C	72C
BI		53	CompOn	Comp ON
BI		54	M-NetSup	M-NET supply
BI		55	CH11	CH11
BI		56	INV-FAN1	INV-FAN1

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

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
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, PUHY-P [capacity] YKB**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
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]
AI		17	Iw	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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
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]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
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		Nqt	Night
BI		30		Nqt2	Night2
BI		31		21S4a	21S4a
BI		32		21S4b	21S4b
BI		33		21S4c	21S4c
BI		34		SV5b	SV5b
BI		35		SV9	SV9
BI		36		SV2	SV2
BI		37		IH	IH
PIV		38		FAN(rpm)	FAN(rpm) [rpm]
PIV		39		FAN2	FAN2
PIV		40		FAN2(rpm)	FAN2(rpm) [rpm]
PIV		41		LEV2a	LEV2a [pls]
PIV		42		LEV2b	LEV2b [pls]
PIV		43		OpeM	Operation Mode
PIV		44		CtrlM	Control Mode

- **PUHY-P [capacity]**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
AI		01		TH2	Thermistor 2 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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
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		22	FAN-Ver	Fan1 SW version
PIV		23	Save	Capacity save signal [%]
PIV		24	OpeS	Operation Status
PIV		25	Attr	Attribute (OC/OS identification)
PIV		26	M-NetSupUn	M-NET supply unit

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
PIV		27	StrtUpUn	Start-up unit
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]
IV		34	AK	Heat exchanger capacity
AI		35	RotTm	Rotation timer
BI		36	SV1a	SV1(A)/SV1a
BI		37	Dmnd	Demand
BI		38	Dmnd2	Demand2
BI		39	Ngt	Night
BI		40	Ngt2	Night2
BI		41	Snow	Snow
BI		42	21S4a	21S4a
BI		43	21S4b	21S4b
BI		44	SV5b	SV5b
BI		45	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 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
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		21	FAN-Ver	Fan1 SW version
PIV		22	Save	Capacity save signal [%]
PIV		23	OpeS	Operation Status
PIV		24	Attr	Attribute (OC/OS identification)

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		25	M-NetSupUn	M-NET supply unit
PIV		26	StrtUpUn	Start-up unit
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]
IV		33	AK	Heat exchanger capacity
AI		34	RotTm	Rotation timer
BI		35	SV1a	SV1(A)/SV1a
BI		36	Dmnd	Demand
BI		37	Dmnd2	Demand2
BI		38	Ngt	Night
BI		39	Ngt2	Night2
BI		40	Snow	Snow
BI		41	21S4a	21S4a
BI		42	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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
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]

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 7 0 Instance VA	Object Identifier bits 21 8 7 0 Instance Index	Short Name	Object Description
AI		23	FAN-Ver	Fan1 SW version
PIV		24	Save	Capacity save signal [%]
PIV		25	OpeS	Operation Status
PIV		26	Attr	Attribute (OC/OS identification)
AI		27	SCo	Heat exchanger outlet subcooling 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]
IV		33	AK	Heat exchanger capacity
AI		34	RotTm	Rotation timer
BI		35	SV1a	SV1(A)/SV1a
BI		36	Dmnd	Demand
BI		37	Dmnd2	Demand2
BI		38	Ngt	Night
BI		39	Ngt2	Night2
BI		40	Snow	Snow
BI		41	21S4a	21S4a
BI		42	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 31 22 Type	Object Identifier bits 21 8 7 0 Instance VA	Object Identifier bits 21 8 7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
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]

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
AI		22	FAN-Ver	Fan1 SW version
PIV		23	Save	Capacity save signal [%]
PIV		24	OpeS	Operation Status
PIV		25	Attr	Attribute (OC/OS identification)
AI		26	SCo	Heat exchanger outlet subcooling 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]
IV		32	AK	Heat exchanger capacity
AI		33	RotTm	Rotation timer
BI		34	SV1a	SV1(A)/SV1a
BI		35	Dmnd	Demand
BI		36	Dmnd2	Demand2
BI		37	Ngt	Night
BI		38	Ngt2	Night2
BI		39	Snow	Snow
BI		40	21S4a	21S4a
BI		41	21S4b	21S4b
BI		42	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 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2	LEV2 Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
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]

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
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		24	FAN-Ver	Fan1 SW version
PIV		25	Save	Capacity save signal [%]
PIV		26	OpeS	Operation Status
PIV		27	Attr	Attribute (OC/OS identification)
PIV		28	M-NetSupUn	M-NET supply unit
PIV		29	StrtUpUn	Start-up unit
AI		30	SCo	Heat exchanger outlet subcooling 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]
IV		36	AK	Heat exchanger capacity
AI		37	RotTm	Rotation timer
BI		38	SV1a	SV1(A)/SV1a
BI		39	Dmnd	Demand
BI		40	Dmnd2	Demand2
BI		41	Nqt	Night
BI		42	Nqt2	Night2
BI		43	Snow	Snow
BI		44	21S4a	21S4a
BI		45	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 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2a	LEV2a [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
PIV		14	FAN(rpm)	FAN(rpm) [rpm]
IV		15	Vdc	Bus voltage [V]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		16		LEV2b	LEV2b [pls]
AI		17		63HS1	63HS1 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		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		27		FAN-Ver	Fan1 SW version
PIV		28		Save	Capacity save signal [%]
PIV		29		OpeS	Operation Status
PIV		30		Attr	Attribute (OC/OS identification)
AI		31		SCo	Heat exchanger outlet subcooling 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]
IV		37		AK	Heat exchanger capacity
BI		38		Dmnd	Demand
BI		39		SV1a	SV1(A)/SV1a
BI		40		Dmnd2	Demand2
BI		41		Snow	Snow
BI		42		Ngt	Night
BI		43		Ngt2	Night2
BI		44		21S4a	21S4a
BI		45		21S4b	21S4b
BI		46		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]**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2	LEV2 Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		15	LA	LA x 0.1
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/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		26	FAN-Ver	Fan1 SW version
PIV		27	Save	Capacity save signal [%]
PIV		28	OpeS	Operation Status
PIV		29	Attr	Attribute (OC/OS identification)
PIV		30	M-NetSupUn	M-NET supply unit
PIV		31	StrtUpUn	Start-up unit
AI		32	SCo	Heat exchanger outlet subcooling 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]
IV		38	AK	Heat exchanger capacity
AI		39	RotTm	Rotation timer
BI		40	Dmnd	Demand
BI		41	SV1a	SV1(A)/SV1a
BI		42	Dmnd2	Demand2
BI		43	Snow	Snow
BI		44	Ngt	Night
BI		45	Ngt2	Night2
BI		46	21S4a	21S4a
BI		47	21S4b	21S4b
BI		48	SV5b	SV5b
PIV		49	FAN-Fr	Fan1 run status
BI		50	AF	Active Filter
BI		51	Pwr	Power source frequency
BI		52	WM	WM
BI		53	Rep	Repeater output
BI		54	72C	72C
BI		55	CompON	Comp ON
BI		56	M-NetSup	M-NET supply
BI		57	SV9	SV9
BI		58	SV2	SV2

- **PUHY-P [capacity]**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2	LEV2 Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		15	LA	LA x 0.1
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/cm2]
AI		20	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		27	FAN-Ver	Fan1 SW version
PIV		28	Save	Capacity save signal [%]
PIV		29	OpeS	Operation Status
PIV		30	Attr	Attribute (OC/OS identification)
PIV		31	M-NetSupUn	M-NET supply unit
PIV		32	StrtUpUn	Start-up unit
AI		33	FAN2-Ver	Fan2 SW version
AI		34	SCo	Heat exchanger outlet subcooling 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]
IV		40	AK	Heat exchanger capacity
AI		41	RotTm	Rotation timer
BI		42	Dmnd	Demand
BI		43	SV1a	SV1(A)/SV1a
BI		44	Dmnd2	Demand2
BI		45	Snow	Snow
BI		46	Ngt	Night
BI		47	Ngt2	Night2
BI		48	21S4a	21S4a
BI		49	21S4b	21S4b
BI		50	21S4c	21S4c
BI		51	SV5b	SV5b
BI		52	SV5c	SV5c
BI		53	SV9	SV9
BI		54	SV2	SV2
PIV		55	FAN-Fr	Fan1 run status
PIV		56	FAN2-Fr	Fan2 run status

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			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		CtrlM	Control Mode
PIV		02		OpeM	Operation Mode
PIV		03		F1	Temporary frequency of No.1 COMP [Hz]
PIV		04		Fos	Temporary frequency [Hz]
PIV		05		FAN	Fan output [Hz]
IV		06		QjC	Total capacity Cool
IV		07		QjH	Total capacity Heat
PIV		08		LEV1	LEV1 Linear expansion valve [pls]
PIV		09		LEV2	LEV2 Linear expansion valve [pls]
AI		10		Idc	Direct current x 0.1 [A]
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		13		AL	AL
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		24		FAN-Ver	Fan1 SW version
PIV		25		Save	Capacity save signal [%]
PIV		26		OpeS	Operation Status
PIV		27		Attr	Attribute (OC/OS identification)
AI		28		SCo	Heat exchanger outlet subcooling 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]
IV		34		AK	Heat exchanger capacity
AI		35		RotTm	Rotation timer
BI		36		Dmnd	Demand
BI		37		SV1a	SV1(A)/SV1a
BI		38		Dmnd2	Demand2
BI		39		Snow	Snow
BI		40		Ngt	Night
BI		41		Ngt2	Night2
BI		42		21S4a	21S4a

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
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 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
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	SV9	SV9
BI		34	SV2a	SV2a
BI		35	SV10	SV10
BI		36	SV14	SV14
BI		37	SV15	SV15

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
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			
CSV		00		Type	Outdoor Unit Type Name
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		Nqt	Night
BI		28		Nqt2	Night2
BI		29		21S4a	21S4a
BI		30		21S4b	21S4b
BI		31		SV9	SV9
BI		32		SV2a	SV2a
BI		33		SV10	SV10
BI		34		SV14	SV14
BI		35		SV15	SV15

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2a	LEV2a [pls]
PIV		11	LEV4	Linear expansion valve [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	LA	LA x 0.1
PIV		17	FAN(rpm)	FAN(rpm) [rpm]
PIV		18	FAN-Fr	Fan1 run status
IV		19	Vdc	Bus voltage [V]
PIV		20	LEV2b	LEV2b [pls]
PIV		21	LEV9	LEV9 [pls]
AI		22	63HS1	63HS1 Pressure sensor 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		31	FAN-Ver	Fan1 SW version
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
PIV		35	M-NetSupUn	M-NET supply unit
PIV		36	StrtUpUn	Start-up unit
BI		37	AF	Active Filter
AI		38	SCo	Heat exchanger outlet subcooling 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]
BI		44	21S4a	21S4a
BI		45	21S4b	21S4b
BI		46	SV1a	SV1(A)/SV1a
BI		47	SV2	SV2
BI		48	SV9	SV9
BI		49	SV10	SV10
IV		50	AK	Heat exchanger capacity
PIV		51	Err	Error code
PIV		52	ErrDet	Error detail code
PIV		53	ErrSrc	Error source address
PIV		54	MntErr	Maintenance error code
PIV		55	MntErrDet	Maintenance error detail code
PIV		56	MntErrSrc	Maintenance error source address
PIV		57	PrelErr	Preliminary error code

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
PIV		58	PrelErrDet	Preliminary error detail code
PIV		59	PrelErrSrc	Preliminary error source address
AI		60	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
BI		61	Dmnd	Demand
BI		62	Dmnd2	Demand2
BI		63	Ngt	Night
BI		64	Ngt2	Night2
BI		65	Snow	Snow
BI		66	Pwr	Power source frequency
BI		67	WM	WM
AI		68	RotTm	Rotation timer
BI		69	Rep	Repeater output
BI		70	72C	72C
BI		71	CompOn	Comp ON
BI		72	M-NetSup	M-NET supply
BI		73	IH	IH
BI		74	H-Def1	H-Def1
BI		75	H-Def2	H-Def2

- **PUHY-P [capacity] YNW-A**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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]
AI		18	Iw	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] YNW-A/A1(-**)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2a	LEV2a [pls]
AI		10	Iu	U-Phase current effective value x 0.1 [A]
AI		11	Iw	W-Phase current effective value x 0.1 [A]
PIV		12	AL	AL
PIV		13	FAN(rpm)	FAN(rpm) [rpm]
PIV		14	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		15	FAN-Fr	Fan1 run status
PIV		16	FAN2-Fr	Fan2 run status
PIV		17	FAN2	FAN2
IV		18	Vdc	Bus voltage [V]
PIV		19	LEV2b	LEV2b [pls]
PIV		20	LEV9	LEV9 [pls]
AI		21	63HS1	63HS1 Pressure sensor 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		30	FAN-Ver	Fan1 SW version
AI		31	FAN2-Ver	Fan2 SW version
PIV		32	Save	Capacity save signal [%]
PIV		33	OpeS	Operation Status
PIV		34	Attr	Attribute (OC/OS identification)
AI		35	SCo	Heat exchanger outlet subcooling 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]
IV		41	AK	Heat exchanger capacity
AI		42	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		43	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
PIV		44	Err	Error code
PIV		45	ErrDet	Error detail code
PIV		46	ErrSrc	Error source address
PIV		47	MntErr	Maintenance error code
PIV		48	MntErrDet	Maintenance error detail code
PIV		49	MntErrSrc	Maintenance error source address
PIV		50	PrelErr	Preliminary error code
PIV		51	PrelErrDet	Preliminary error detail code
PIV		52	PrelErrSrc	Preliminary error source address
BI		53	Dmnd	Demand
BI		54	SV1a	SV1(A)/SV1a
BI		55	Dmnd2	Demand2
BI		56	Snow	Snow

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

- **PUHY-P [capacity] TGMU-A**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	FAN	Fan output [Hz]
PIV		05	QjC	Total capacity Cool
PIV		06	QjH	Total capacity Heat
PIV		07	LEV1	LEV1 Linear expansion valve [pls]
AI		08	Idc	Direct current x 0.1 [A]
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/cm2]
AI		13	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		14	TH5	Thermistor 5 x 0.1 [°C]
AI		15	TH6	Thermistor 6 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		19	TH12	Thermistor 12 x 0.1 [°C]
AI		20	FAN-Ver	Fan1 SW version
PIV		21	Save	Capacity save signal [%]
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]
AI		25	Tc	Condensing temperature x 0.1 [°C]
AI		26	Te	Evaporating temperature x 0.1 [°C]
AI		27	THHS1	THHS1 x 0.1 [°C]
AI		28	THHS5	THHS5 x 0.1 [°C]
PIV		29	F1	Temporary frequency of No.1 COMP [Hz]
PIV		30	F2	F2
IV		31	AK	Heat exchanger capacity
BI		32	Dmnd	Demand

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

- **PUHY-P [capacity]**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	FAN	Fan output [Hz]
PIV		05	QjC	Total capacity Cool
PIV		06	QjH	Total capacity Heat
PIV		07	LEV1	LEV1 Linear expansion valve [pls]
AI		08	Idc	Direct current x 0.1 [A]
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/cm2]
AI		13	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		19	FAN-Ver	Fan1 SW version
PIV		20	Save	Capacity save signal [%]
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	Nqt	Night
BI		33	21S4a	21S4a

- **PUHY-P [capacity]**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	FAN	Fan output [Hz]
PIV		05	QjC	Total capacity Cool
PIV		06	QjH	Total capacity Heat
PIV		07	LEV1	LEV1 Linear expansion valve [pls]
AI		08	Idc	Direct current x 0.1 [A]
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/cm2]
AI		13	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		19	FAN-Ver	Fan1 SW version
PIV		20	Save	Capacity save signal [%]
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 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2a	LEV2a [pls]
AI		11	Idc	Direct current x 0.1 [A]
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		
PIV		14	AL	AL
AI		15	LA	LA x 0.1
PIV		16	FAN(rpm)	FAN(rpm) [rpm]
PIV		17	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		18	FAN-Fr	Fan1 run status
PIV		19	FAN2-Fr	Fan2 run status
PIV		20	FAN2	FAN2
IV		21	Vdc	Bus voltage [V]
PIV		22	LEV2b	LEV2b [pls]
PIV		23	LEV9	LEV9 [pls]
AI		24	63HS1	63HS1 Pressure sensor 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]
AI		33	FAN-Ver	Fan1 SW version
PIV		34	Save	Capacity save signal [%]
PIV		35	OpeS	Operation Status
PIV		36	Attr	Attribute (OC/OS identification)
PIV		37	M-NetSupUn	M-NET supply unit
PIV		38	StrtUpUn	Start-up unit
AI		39	FAN2-Ver	Fan2 SW version
BI		40	AF	Active Filter
BI		41	RefChrgAdj	Ref Charge Adj
AI		42	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI		43	SCc	Coil outlet subcooling x 0.1 [°C]
AI		44	SHb	Coil bypass outlet superheat 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	21S4a	21S4a
BI		49	21S4b	21S4b
BI		50	SV1a	SV1(A)/SV1a
BI		51	SV2	SV2
BI		52	SV9	SV9
BI		53	SV10	SV10
IV		54	AK	Heat exchanger capacity
PIV		55	Err	Error code
PIV		56	ErrDet	Error detail code
PIV		57	ErrSrc	Error source address
PIV		58	MntErr	Maintenance error code
PIV		59	MntErrDet	Maintenance error detail code
PIV		60	MntErrSrc	Maintenance error source address
PIV		61	PrelErr	Preliminary error code
PIV		62	PrelErrDet	Preliminary error detail code
PIV		63	PrelErrSrc	Preliminary error source address
AI		64	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		65	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		66	Dmnd	Demand
BI		67	Dmnd2	Demand2
BI		68	Ngt	Night
BI		69	Ngt2	Night2
BI		70	Snow	Snow

Object Identifier bits 31 22 21 8 7 0		Short Name	Object Description
Type	Instance		
	VA Index		
BI	71	Pwr	Power source frequency
BI	72	WM	WM
AI	73	RotTm	Rotation timer
BI	74	Rep	Repeater output
BI	75	72C	72C
BI	76	CompOn	Comp ON
BI	77	M-NetSup	M-NET supply
BI	78	IH	IH
BI	79	H-Def1	H-Def1
BI	80	H-Def2	H-Def2

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

Object Identifier bits 31 22 21 8 7 0		Short Name	Object Description
Type	Instance		
	VA Index		
CSV	00	Type	Outdoor Unit Type Name
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]
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 31 22 21 8 7 0		Short Name	Object Description
Type	Instance		
	VA Index		
CSV	00	Type	Outdoor Unit Type Name
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	THBOX	Thermistor in box x 0.1 [°C]

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
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 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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]
AI		20	SHb	Coil bypass outlet superheat x 0.1 [°C]

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

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
IV		08		QjH	Total capacity Heat
PIV		09		LEV1	LEV1 Linear expansion valve [pls]
PIV		10		LEV2a	LEV2a [pls]
PIV		11		LEV4	Linear expansion valve [pls]
PIV		12		LEV9	LEV9 [pls]
AI		13		Iu	U-Phase current effective value x 0.1 [A]
AI		14		Iw	W-Phase current effective value x 0.1 [A]
PIV		15		AL	AL
AI		16		LA	LA x 0.1
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		31		FAN-Ver	Fan1 SW version
AI		32		FAN2-Ver	Fan2 SW version
PIV		33		Save	Capacity save signal [%]
PIV		34		OpeS	Operation Status
PIV		35		Attr	Attribute (OC/OS identification)
PIV		36		M-NetSupUn	M-NET supply unit
PIV		37		StrtUpUn	Start-up unit
AI		38		SCo	Heat exchanger outlet subcooling 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]
IV		44		AK	Heat exchanger capacity
AI		45		THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		46		THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
AI		47		RotTm	Rotation timer
PIV		48		Err	Error code
PIV		49		ErrDet	Error detail code
PIV		50		ErrSrc	Error source address
PIV		51		MntErr	Maintenance error code
PIV		52		MntErrDet	Maintenance error detail code
PIV		53		MntErrSrc	Maintenance error source address
PIV		54		PrelErr	Preliminary error code
PIV		55		PrelErrDet	Preliminary error detail code
PIV		56		PrelErrSrc	Preliminary error source address
BI		57		Dmnd	Demand
BI		58		SV1a	SV1(A)/SV1a
BI		59		Dmnd2	Demand2
BI		60		Snow	Snow
BI		61		Ngt	Night
BI		62		Ngt2	Night2
BI		63		21S4a	21S4a
BI		64		21S4b	21S4b

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

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

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
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	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]
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]
PIV		23	LEV2	LEV2 Linear expansion valve [pls]

- **PUHY-HP [capacity] THMU/YHMC**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2	LEV2 Linear expansion valve [pls]
PIV		11	LEV4	Linear expansion valve [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	Vdc	COMP bus voltage x 0.1 [V]
AI		17	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		18	63HS2	63HS2 Pressure sensor x 0.1 [kg/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		25	FAN-Ver	Fan1 SW version
PIV		26	Save	Capacity save signal [%]
PIV		27	OpeS	Operation Status
PIV		28	Attr	Attribute (OC/OS identification)
PIV		29	M-NetSupUn	M-NET supply unit
PIV		30	StrtUpUn	Start-up unit
AI		31	SCo	Heat exchanger outlet subcooling 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]
IV		38	AK	Heat exchanger capacity
AI		39	RotTm	Rotation timer
BI		40	Dmnd	Demand
BI		41	Dmnd2	Demand2
BI		42	Ngt	Night
BI		43	Ngt2	Night2
BI		44	Snow	Snow
BI		45	SV1a	SV1(A)/SV1a
BI		46	21S4a	21S4a
BI		47	SV9	SV9
BI		48	SV2	SV2
BI		49	SV6	SV6
BI		50	Pwr	Power source frequency
BI		51	WM	WM
BI		52	Rep	Repeater output
BI		53	72C	72C
BI		54	CompOn	Comp ON
BI		55	M-NetSup	M-NET supply
BI		56	CH11	CH11
BI		57	INV-FAN1	INV-FAN1

- **PUHY-HP [capacity] THMU/YHMC**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
PIV		10	LEV4	Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
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		24	FAN-Ver	Fan1 SW version
PIV		25	Save	Capacity save signal [%]
PIV		26	OpeS	Operation Status
PIV		27	Attr	Attribute (OC/OS identification)
AI		28	SCo	Heat exchanger outlet subcooling 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]
IV		35	AK	Heat exchanger capacity
AI		36	RotTm	Rotation timer
BI		37	Dmnd	Demand
BI		38	SV1a	SV1(A)/SV1a
BI		39	Dmnd2	Demand2
BI		40	Snow	Snow
BI		41	Ngt	Night
BI		42	Ngt2	Night2
BI		43	21S4a	21S4a
BI		44	SV9	SV9
BI		45	SV2	SV2
BI		46	SV6	SV6
BI		47	Pwr	Power source frequency
BI		48	WM	WM
BI		49	Rep	Repeater output
BI		50	72C	72C
BI		51	CompOn	Comp ON
BI		52	M-NetSup	M-NET supply
BI		53	CH11	CH11
BI		54	INV-FAN1	INV-FAN1

- **PUHY-EP [capacity] (T/Y)NU-A.TH**

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2a	LEV2a [pls]
PIV		11	LEV4	Linear expansion valve [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	LA	LA x 0.1
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		30	FAN-Ver	Fan1 SW version
PIV		31	Save	Capacity save signal [%]
PIV		32	OpeS	Operation Status
PIV		33	Attr	Attribute (OC/OS identification)
PIV		34	M-NetSupUn	M-NET supply unit
PIV		35	StrtUpUn	Start-up unit
AI		36	SCo	Heat exchanger outlet subcooling 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]
AI		39	Tc	Condensing temperature x 0.1 [°C]
AI		40	Te	Evaporating temperature x 0.1 [°C]
AI		41	THHS	Thermistor 9 x 0.1 [°C]
BI		42	21S4a	21S4a
BI		43	21S4b	21S4b
BI		44	SV1a	SV1(A)/SV1a
BI		45	Dmnd	Demand
BI		46	Dmnd2	Demand2
BI		47	Ngt	Night
BI		48	Ngt2	Night2
BI		49	Snow	Snow
BI		50	SV2	SV2
BI		51	SV9	SV9
BI		52	SV10	SV10
BI		53	SV14	SV14
BI		54	SV15	SV15

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
IV		55	AK	Heat exchanger capacity
AI		56	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		57	RotTm	Rotation timer
PIV		58	FAN-Fr	Fan1 run status
BI		59	AF	Active Filter
BI		60	RefChrgAdj	Ref Charge Adj
BI		61	Pwr	Power source frequency
BI		62	WM	WM
BI		63	Rep	Repeater output
BI		64	72C	72C
BI		65	CompOn	Comp ON
BI		66	M-NetSup	M-NET supply
BI		67	IH	IH
BI		68	H-Def1	H-Def1
BI		69	H-Def2	H-Def2

- **PUHY-EP [capacity] (T/Y)NU-A.TH**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2a	LEV2a [pls]
PIV		11	LEV4	Linear expansion valve [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	LA	LA x 0.1
PIV		17	FAN(rpm)	FAN(rpm) [rpm]
PIV		18	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		19	FAN-Fr	Fan1 run status
PIV		20	FAN2-Fr	Fan2 run status
PIV		21	FAN2	FAN2
IV		22	Vdc	Bus voltage [V]
PIV		23	LEV2b	LEV2b [pls]
PIV		24	LEV9	LEV9 [pls]
AI		25	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		26	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
AI		27	TH2	Thermistor 2 x 0.1 [°C]
AI		28	TH3	Thermistor 3 x 0.1 [°C]
AI		29	TH4	Thermistor 4 x 0.1 [°C]
AI		30	TH5	Thermistor 5 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		33	TH15	Thermistor 15 x 0.1 [°C]
AI		34	FAN-Ver	Fan1 SW version

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
PIV		35	Save	Capacity save signal [%]
PIV		36	OpeS	Operation Status
PIV		37	Attr	Attribute (OC/OS identification)
PIV		38	M-NetSupUn	M-NET supply unit
PIV		39	StrtUpUn	Start-up unit
AI		40	FAN2-Ver	Fan2 SW version
BI		41	AF	Active Filter
BI		42	RefChrgAdj	Ref Charge Adj
AI		43	SCo	Heat exchanger outlet subcooling x 0.1 [°C]
AI		44	SCc	Coil outlet subcooling x 0.1 [°C]
AI		45	SHb	Coil bypass outlet superheat 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	21S4a	21S4a
BI		50	21S4b	21S4b
BI		51	SV1a	SV1(A)/SV1a
BI		52	SV2	SV2
BI		53	SV9	SV9
BI		54	SV14	SV14
BI		55	SV15	SV15
BI		56	SV10	SV10
IV		57	AK	Heat exchanger capacity
AI		58	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		59	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
BI		60	Dmnd	Demand
BI		61	Dmnd2	Demand2
BI		62	Ngt	Night
BI		63	Ngt2	Night2
BI		64	Snow	Snow
BI		65	Pwr	Power source frequency
BI		66	WM	WM
AI		67	RotTm	Rotation timer
BI		68	Rep	Repeater output
BI		69	72C	72C
BI		70	CompOn	Comp ON
BI		71	M-NetSup	M-NET supply
BI		72	IH	IH
BI		73	H-Def1	H-Def1
BI		74	H-Def2	H-Def2

- **PUHY-EP [capacity] (T/Y)NU-A.TH**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		10	LEV2a	LEV2a [pls]
PIV		11	LEV4	Linear expansion valve [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	LA	LA x 0.1
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]
AI		33	FAN-Ver	Fan1 SW version
AI		34	FAN2-Ver	Fan2 SW version
PIV		35	Save	Capacity save signal [%]
PIV		36	OpeS	Operation Status
PIV		37	Attr	Attribute (OC/OS identification)
PIV		38	M-NetSupUn	M-NET supply unit
PIV		39	StrtUpUn	Start-up unit
PIV		40	FAN-Fr	Fan1 run status
PIV		41	FAN2-Fr	Fan2 run status
BI		42	AF	Active Filter
BI		43	RefChrgAdj	Ref Charge Adj
BI		44	Pwr	Power source frequency
BI		45	WM	WM
BI		46	Rep	Repeater output
BI		47	72C	72C
BI		48	CompOn	Comp ON
BI		49	M-NetSup	M-NET supply
BI		50	IH	IH
BI		51	H-Def1	H-Def1
BI		52	H-Def2	H-Def2
AI		53	SCo	Heat exchanger outlet subcooling 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	21S4a	21S4a
BI		60	21S4b	21S4b
BI		61	21S4c	21S4c
BI		62	SV1a	SV1(A)/SV1a
BI		63	Dmnd	Demand
BI		64	Dmnd2	Demand2
BI		65	Ngt	Night
BI		66	Ngt2	Night2

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
BI		67	Snow	Snow
BI		68	SV2	SV2
BI		69	SV9	SV9
BI		70	SV10	SV10
BI		71	SV11	SV11
IV		72	AK	Heat exchanger capacity
AI		73	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]
AI		74	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]
AI		75	RotTm	Rotation timer
PIV		76	Err	Error code
PIV		77	ErrDet	Error detail code
PIV		78	ErrSrc	Error source address
PIV		79	MntErr	Maintenance error code
PIV		80	MntErrDet	Maintenance error detail code
PIV		81	MntErrSrc	Maintenance error source address
PIV		82	PrelErr	Preliminary error code
PIV		83	PrelErrDet	Preliminary error detail code
PIV		84	PrelErrSrc	Preliminary error source address

- **PUHY-EP [capacity] (T/Y)NU-A.TH**

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2a	LEV2a [pls]
PIV		10	LEV4	Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
PIV		15	FAN(rpm)	FAN(rpm) [rpm]
PIV		16	FAN2(rpm)	FAN2(rpm) [rpm]
PIV		17	FAN2	FAN2
IV		18	Vdc	Bus voltage [V]
PIV		19	LEV2b	LEV2b [pls]
PIV		20	LEV9	LEV9 [pls]
AI		21	63HS1	63HS1 Pressure sensor 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		30	FAN-Ver	Fan1 SW version
AI		31	FAN2-Ver	Fan2 SW version

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		32	Save	Capacity save signal [%]	
PIV		33	OpeS	Operation Status	
PIV		34	Attr	Attribute (OC/OS identification)	
AI		35	SCo	Heat exchanger outlet subcooling 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	21S4a	21S4a	
BI		42	21S4b	21S4b	
BI		43	SV1a	SV1(A)/SV1a	
BI		44	Dmnd	Demand	
BI		45	Dmnd2	Demand2	
BI		46	Ngt	Night	
BI		47	Ngt2	Night2	
BI		48	Snow	Snow	
BI		49	SV2	SV2	
BI		50	SV9	SV9	
BI		51	SV14	SV14	
BI		52	SV15	SV15	
BI		53	SV10	SV10	
IV		54	AK	Heat exchanger capacity	
AI		55	THHS(FAN1)	THHS(FAN1) x 0.1 [°C]	
AI		56	THHS(FAN2)	THHS(FAN2) x 0.1 [°C]	
PIV		57	FAN-Fr	Fan1 run status	
PIV		58	FAN2-Fr	Fan2 run status	
BI		59	AF	Active Filter	
BI		60	Pwr	Power source frequency	
BI		61	WM	WM	
BI		62	Rep	Repeater output	
BI		63	72C	72C	
BI		64	CompOn	Comp ON	
BI		65	M-NetSup	M-NET supply	
BI		66	IH	IH	
BI		67	H-Def1	H-Def1	
BI		68	H-Def2	H-Def2	
PIV		69	Err	Error code	
PIV		70	ErrDet	Error detail code	
PIV		71	ErrSrc	Error source address	
PIV		72	MntErr	Maintenance error code	
PIV		73	MntErrDet	Maintenance error detail code	
PIV		74	MntErrSrc	Maintenance error source address	
PIV		75	PrelErr	Preliminary error code	
PIV		76	PrelErrDet	Preliminary error detail code	
PIV		77	PrelErrSrc	Preliminary error source address	

- **PUCY-P [capacity] YKA/YKD**

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance			
	VA	Index		
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
AI		14	LA	LA x 0.1
PIV		15	FAN(rpm)	FAN(rpm) [rpm]
PIV		16	FAN-Fr	Fan1 run status
AI		17	Vdc	COMP bus voltage x 0.1 [V]
AI		18	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		25	FAN-Ver	Fan1 SW version
PIV		26	Save	Capacity save signal [%]
PIV		27	OpeS	Operation Status
PIV		28	Attr	Attribute (OC/OS identification)
PIV		29	M-NetSupUn	M-NET supply unit
PIV		30	StrtUpUn	Start-up unit
BI		31	AF	Active Filter
AI		32	SCo	Heat exchanger outlet subcooling 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		38	SV1a	SV1(A)/SV1a
IV		39	AK	Heat exchanger capacity
BI		40	Dmnd	Demand
BI		41	Dmnd2	Demand2
BI		42	Ngt	Night
BI		43	Ngt2	Night2
BI		44	Snow	Snow
BI		45	Pwr	Power source frequency
BI		46	WM	WM
AI		47	RotTm	Rotation timer
BI		48	Rep	Repeater output
BI		49	72C	72C
BI		50	CompOn	Comp ON
BI		51	M-NetSup	M-NET supply
BI		52	IH	IH

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

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEVINV	LEVINV [pls]
PIV		09	LEV6	LEV6 [pls]
PIV		10	LEV7	LEV7 [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
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		22	FAN-Ver	Fan1 SW version
PIV		23	Save	Capacity save signal [%]
PIV		24	OpeS	Operation Status
PIV		25	Attr	Attribute (OC/OS identification)
PIV		26	M-NetSupUn	M-NET supply unit
PIV		27	StrtUpUn	Start-up unit
AI		28	Tc	Condensing temperature x 0.1 [°C]
AI		29	Te	Evaporating temperature x 0.1 [°C]
AI		30	THHS	Thermistor 9 x 0.1 [°C]
AI		31	THINV	THINV x 0.1 [°C]
AI		32	LX	LX x 0.001
IV		33	AK	Heat exchanger capacity
AI		34	RotTm	Rotation timer
BI		35	SV1a	SV1(A)/SV1a
BI		36	Dmnd	Demand
BI		37	Dmnd2	Demand2
BI		38	Nqt	Night
BI		39	Nqt2	Night2
BI		40	Snow	Snow
BI		41	21S4a	21S4a
BI		42	WM	WM
BI		43	Rep	Repeater output
BI		44	72C	72C
BI		45	CompOn	Comp ON
BI		46	M-NetSup	M-NET supply
BI		47	IH	IH
BI		48	SV9	SV9
BI		49	SV4a	SV4a
BI		50	SV4b	SV4b
BI		51	SV4d	SV4d
BI		52	SV7a	SV7a
BI		53	SV7b	SV7b
BI		54	UnOnOff	Unit On/Off

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEVINV	LEVINV [pls]
PIV		09	LEV6	LEV6 [pls]
PIV		10	LEV7	LEV7 [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
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]
PIV		22	Save	Capacity save signal [%]
PIV		23	OpeS	Operation Status
PIV		24	Attr	Attribute (OC/OS identification)
PIV		25	M-NetSupUn	M-NET supply unit
PIV		26	StrtUpUn	Start-up unit
AI		27	Tc	Condensing temperature x 0.1 [°C]
AI		28	Te	Evaporating temperature x 0.1 [°C]
AI		29	THHS	Thermistor 9 x 0.1 [°C]
AI		30	THINV	THINV x 0.1 [°C]
AI		31	LX	LX x 0.001
IV		32	AK	Heat exchanger capacity
AI		33	RotTm	Rotation timer
BI		34	SV1a	SV1(A)/SV1a
BI		35	Dmnd	Demand
BI		36	Dmnd2	Demand2
BI		37	Ngt	Night
BI		38	Ngt2	Night2
BI		39	Snow	Snow
BI		40	21S4a	21S4a
BI		41	21S4b	21S4b
BI		42	WM	WM
BI		43	Rep	Repeater output
BI		44	72C	72C
BI		45	CompOn	Comp ON
BI		46	M-NetSup	M-NET supply
BI		47	IH	IH
BI		48	SV9	SV9
BI		49	SV4a	SV4a
BI		50	SV4b	SV4b
BI		51	SV4d	SV4d
BI		52	SV7a	SV7a
BI		53	SV7b	SV7b
BI		54	UnOnOff	Unit On/Off
BI		55	SV7c	SV7c

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEVINV	LEVINV [pls]
PIV		09	LEV6	LEV6 [pls]
PIV		10	LEV7	LEV7 [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
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]
PIV		22	Save	Capacity save signal [%]
PIV		23	OpeS	Operation Status
PIV		24	Attr	Attribute (OC/OS identification)
PIV		25	M-NetSupUn	M-NET supply unit
PIV		26	StrtUpUn	Start-up unit
AI		27	Tc	Condensing temperature x 0.1 [°C]
AI		28	Te	Evaporating temperature x 0.1 [°C]
AI		29	THHS	Thermistor 9 x 0.1 [°C]
AI		30	THINV	THINV x 0.1 [°C]
AI		31	LX	LX x 0.001
IV		32	AK	Heat exchanger capacity
AI		33	RotTm	Rotation timer
BI		34	SV1a	SV1(A)/SV1a
BI		35	Dmnd	Demand
BI		36	Dmnd2	Demand2
BI		37	Nqt	Night
BI		38	Nqt2	Night2
BI		39	Snow	Snow
BI		40	21S4a	21S4a
BI		41	WM	WM
BI		42	Rep	Repeater output
BI		43	72C	72C
BI		44	CompOn	Comp ON
BI		45	M-NetSup	M-NET supply
BI		46	IH	IH
BI		47	SV9	SV9
BI		48	SV4a	SV4a
BI		49	SV4b	SV4b
BI		50	SV4d	SV4d
BI		51	SV7a	SV7a
BI		52	SV7b	SV7b
BI		53	UnOnOff	Unit On/Off

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
PIV		01	CtrlM	Control Mode	
PIV		02	OpeM	Operation Mode	
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]	
PIV		04	Fos	Temporary frequency [Hz]	
IV		05	QjC	Total capacity Cool	
IV		06	QjH	Total capacity Heat	
PIV		07	LEVINV	LEVINV [pls]	
PIV		08	LEV6	LEV6 [pls]	
PIV		09	LEV7	LEV7 [pls]	
AI		10	Idc	Direct current x 0.1 [A]	
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		13	AL	AL	
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	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]	
PIV		21	Save	Capacity save signal [%]	
PIV		22	OpeS	Operation Status	
PIV		23	Attr	Attribute (OC/OS identification)	
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]	
AI		27	THINV	THINV x 0.1 [°C]	
IV		28	AK	Heat exchanger capacity	
BI		29	SV1a	SV1(A)/SV1a	
BI		30	Dmnd	Demand	
BI		31	Dmnd2	Demand2	
BI		32	Nqt	Night	
BI		33	Nqt2	Night2	
BI		34	Snow	Snow	
BI		35	21S4a	21S4a	
BI		36	WM	WM	
BI		37	Rep	Repeater output	
BI		38	72C	72C	
BI		39	CompOn	Comp ON	
BI		40	M-NetSup	M-NET supply	
BI		41	IH	IH	
BI		42	SV9	SV9	
BI		43	SV4a	SV4a	
BI		44	SV4b	SV4b	
BI		45	SV4d	SV4d	
BI		46	SV7a	SV7a	
BI		47	SV7b	SV7b	
BI		48	UnOnOff	Unit On/Off	

- **PQRY-P [capacity]**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
PIV		01	CtrlM	Control Mode	
PIV		02	OpeM	Operation Mode	
IV		03	F(Hz)	All temporary frequencies [Hz]	
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]	
PIV		05	Foc	Temporary frequency [Hz]	
IV		06	QjC	Total capacity Cool	
IV		07	QjH	Total capacity Heat	
PIV		08	LEVINV	LEVINV [pls]	
AI		09	Idc	Direct current x 0.1 [A]	
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		12	AL	AL	
AI		13	Vdc	COMP bus voltage x 0.1 [V]	
AI		14	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]	
AI		15	63LS	63LS Pressure sensor x 0.1 [kg/cm2]	
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		20	FAN-Ver	Fan1 SW version	
PIV		21	Save	Capacity save signal [%]	
PIV		22	OpeS	Operation Status	
PIV		23	Attr	Attribute (OC/OS identification)	
PIV		24	M-NetSupUn	M-NET supply unit	
PIV		25	StrtUpUn	Start-up unit	
AI		26	Tc	Condensing temperature x 0.1 [°C]	
AI		27	Te	Evaporating temperature x 0.1 [°C]	
AI		28	THHS	Thermistor 9 x 0.1 [°C]	
AI		29	THINV	THINV x 0.1 [°C]	
AI		30	LX	LX x 0.001	
IV		31	AK	Heat exchanger capacity	
AI		32	RotTm	Rotation timer	
BI		33	SV1a	SV1(A)/SV1a	
BI		34	Dmnd	Demand	
BI		35	Dmnd2	Demand2	
BI		36	Ngt	Night	
BI		37	Ngt2	Night2	
BI		38	21S4a	21S4a	
BI		39	Pwr	Power source frequency	
BI		40	WM	WM	
BI		41	Rep	Repeater output	
BI		42	M-NetSup	M-NET supply	
BI		43	SV9	SV9	
BI		44	SV4a	SV4a	
BI		45	SV4b	SV4b	
BI		46	SV4d	SV4d	
BI		47	INV-FAN1	INV-FAN1	
BI		48	SV7a	SV7a	
BI		49	SV7b	SV7b	
BI		50	UnOnOff	Unit On/Off	

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEVINV	LEVINV [pls]
PIV		10	LEV6	LEV6 [pls]
PIV		11	LEV7	LEV7 [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	LA	LA x 0.1
IV		17	Vdc	Bus voltage [V]
AI		18	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		26	TH8	Thermistor 8 x 0.1 [°C]
PIV		27	Save	Capacity save signal [%]
PIV		28	OpeS	Operation Status
PIV		29	Attr	Attribute (OC/OS identification)
PIV		30	M-NetSupUn	M-NET supply unit
PIV		31	StrtUpUn	Start-up unit
AI		32	SCo	Heat exchanger outlet subcooling 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]
AI		38	THINV	THINV x 0.1 [°C]
IV		39	AK	Heat exchanger capacity
AI		40	RotTm	Rotation timer
BI		41	Dmnd	Demand
BI		42	SV1a	SV1(A)/SV1a
BI		43	Dmnd2	Demand2
BI		44	Snow	Snow
BI		45	Ngt	Night
BI		46	Ngt2	Night2
BI		47	21S4a	21S4a
BI		48	IH	IH
BI		49	Pwr	Power source frequency
BI		50	WM	WM
BI		51	Rep	Repeater output
BI		52	72C	72C
BI		53	CompON	Comp ON
BI		54	M-NetSup	M-NET supply
BI		55	SV4a	SV4a
BI		56	SV4b	SV4b

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

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEVINV	LEVINV [pls]
PIV		10	LEV6	LEV6 [pls]
PIV		11	LEV7	LEV7 [pls]
AI		12	Idc	Direct current x 0.1 [A]
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	AL	AL
AI		16	LA	LA x 0.1
IV		17	Vdc	Bus voltage [V]
AI		18	63HS1	63HS1 Pressure sensor x 0.1 [kg/cm2]
AI		19	63LS	63LS Pressure sensor x 0.1 [kg/cm2]
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		26	TH8	Thermistor 8 x 0.1 [°C]
PIV		27	Save	Capacity save signal [%]
PIV		28	OpeS	Operation Status
PIV		29	Attr	Attribute (OC/OS identification)
PIV		30	M-NetSupUn	M-NET supply unit
PIV		31	StrtUpUn	Start-up unit
AI		32	SCo	Heat exchanger outlet subcooling 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]
AI		38	THINV	THINV x 0.1 [°C]
IV		39	AK	Heat exchanger capacity
AI		40	RotTm	Rotation timer
BI		41	Dmnd	Demand
BI		42	SV1a	SV1(A)/SV1a
BI		43	Dmnd2	Demand2
BI		44	Snow	Snow

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
BI		45	Ngt	Night	
BI		46	Ngt2	Night2	
BI		47	21S4a	21S4a	
BI		48	21S4b	21S4b	
BI		49	IH	IH	
BI		50	Pwr	Power source frequency	
BI		51	WM	WM	
BI		52	Rep	Repeater output	
BI		53	72C	72C	
BI		54	CompOn	Comp ON	
BI		55	M-NetSup	M-NET supply	
BI		56	SV4a	SV4a	
BI		57	SV4b	SV4b	
BI		58	SV4d	SV4d	
BI		59	INV-FAN1	INV-FAN1	
BI		60	SV7a	SV7a	
BI		61	SV7b	SV7b	
BI		62	UnOnOff	Unit On/Off	
BI		63	SV7c	SV7c	

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Outdoor Unit Type Name	
PIV		01	CtrlM	Control Mode	
PIV		02	OpeM	Operation Mode	
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]	
PIV		04	Fos	Temporary frequency [Hz]	
IV		05	QjC	Total capacity Cool	
IV		06	QjH	Total capacity Heat	
PIV		07	LEV1	LEV1 Linear expansion valve [pls]	
PIV		08	LEVINV	LEVINV [pls]	
PIV		09	LEV6	LEV6 [pls]	
PIV		10	LEV7	LEV7 [pls]	
AI		11	Idc	Direct current x 0.1 [A]	
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	AL	AL	
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	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		24	TH8	Thermistor 8 x 0.1 [°C]	
PIV		25	Save	Capacity save signal [%]	
PIV		26	OpeS	Operation Status	
PIV		27	Attr	Attribute (OC/OS identification)	
AI		28	SCo	Heat exchanger outlet subcooling 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				
	VA	Index			
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		THINV	THINV x 0.1 [°C]
IV		35		AK	Heat exchanger capacity
BI		36		Dmnd	Demand
BI		37		SV1a	SV1(A)/SV1a
BI		38		Dmnd2	Demand2
BI		39		Snow	Snow
BI		40		Nqt	Night
BI		41		Nqt2	Night2
BI		42		21S4a	21S4a
BI		43		21S4b	21S4b
BI		44		IH	IH
BI		45		Pwr	Power source frequency
BI		46		WM	WM
BI		47		Rep	Repeater output
BI		48		72C	72C
BI		49		CompOn	Comp ON
BI		50		M-NetSup	M-NET supply
BI		51		SV4a	SV4a
BI		52		SV4b	SV4b
BI		53		SV4d	SV4d
BI		54		INV-FAN1	INV-FAN1
BI		55		SV7a	SV7a
BI		56		SV7b	SV7b
BI		57		UnOnOff	Unit On/Off
BI		58		SV7c	SV7c

- **PQHY-P [capacity]**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
PIV		01		CtrlM	Control Mode
PIV		02		OpeM	Operation Mode
PIV		03		F1	Temporary frequency of No.1 COMP [Hz]
PIV		04		Fos	Temporary frequency [Hz]
IV		05		QjC	Total capacity Cool
IV		06		QjH	Total capacity Heat
PIV		07		LEV1	LEV1 Linear expansion valve [pls]
PIV		08		LEV2a.b	LEV2a.b
PIV		09		LEVINV	LEVINV [pls]
AI		10		Idc	Direct current x 0.1 [A]
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		13		AL	AL
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]

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
AI		22	TH7	Thermistor 7 x 0.1 [°C]
AI		23	TH8	Thermistor 8 x 0.1 [°C]
PIV		24	Save	Capacity save signal [%]
PIV		25	OpeS	Operation Status
PIV		26	Attr	Attribute (OC/OS identification)
AI		27	SCo	Heat exchanger outlet subcooling 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	THINV	THINV x 0.1 [°C]
IV		34	AK	Heat exchanger capacity
AI		35	RotTm	Rotation timer
BI		36	Dmnd	Demand
BI		37	SV1a	SV1(A)/SV1a
BI		38	Dmnd2	Demand2
BI		39	Ngt	Night
BI		40	Ngt2	Night2
BI		41	21S4a	21S4a
BI		42	Pwr	Power source frequency
BI		43	WM	WM
BI		44	Rep	Repeater output
BI		45	72C	72C
BI		46	CompOn	Comp ON
BI		47	M-NetSup	M-NET supply
BI		48	CH11	CH11
BI		49	SV9	SV9
BI		50	SV4a	SV4a
BI		51	SV4b	SV4b
BI		52	SV4d	SV4d
BI		53	INV-FAN1	INV-FAN1
BI		54	SV7a	SV7a
BI		55	SV7b	SV7b
BI		56	UnOnOff	Unit On/Off

- **PQHY-P [capacity]**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2a.b	LEV2a.b
PIV		10	LEVINV	LEVINV [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
AI		15	LA	LA x 0.1
AI		16	Vdc	COMP bus voltage x 0.1 [V]
AI		17	63HS1	63HS1 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	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]
PIV		26	Save	Capacity save signal [%]
PIV		27	OpeS	Operation Status
PIV		28	Attr	Attribute (OC/OS identification)
PIV		29	M-NetSupUn	M-NET supply unit
PIV		30	StrtUpUn	Start-up unit
AI		31	SCo	Heat exchanger outlet subcooling 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	THINV	THINV x 0.1 [°C]
IV		38	AK	Heat exchanger capacity
AI		39	RotTm	Rotation timer
BI		40	SV1a	SV1(A)/SV1a
BI		41	Dmnd	Demand
BI		42	Dmnd2	Demand2
BI		43	Ngt	Night
BI		44	Ngt2	Night2
BI		45	21S4a	21S4a
BI		46	Pwr	Power source frequency
BI		47	WM	WM
BI		48	Rep	Repeater output
BI		49	72C	72C
BI		50	CompOn	Comp ON
BI		51	M-NetSup	M-NET supply
BI		52	CH11	CH11
BI		53	SV9	SV9
BI		54	SV4a	SV4a
BI		55	SV4b	SV4b
BI		56	SV4d	SV4d
BI		57	INV-FAN1	INV-FAN1
BI		58	SV7a	SV7a
BI		59	SV7b	SV7b
BI		60	UnOnOff	Unit On/Off

- **PUHV-P [capacity] CM-E/...**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
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		22	FAN-Ver	Fan1 SW version
PIV		23	Save	Capacity save signal [%]
PIV		24	OpeS	Operation Status
PIV		25	Attr	Attribute (OC/OS identification)
PIV		26	M-NetSupUn	M-NET supply unit
PIV		27	StrtUpUn	Start-up unit
AI		28	SCo	Heat exchanger outlet subcooling 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]
IV		35	AK	Heat exchanger capacity
AI		36	RotTm	Rotation timer
BI		37	SV1a	SV1(A)/SV1a
BI		38	Dmnd	Demand
BI		39	Dmnd2	Demand2
BI		40	Ngt	Night
BI		41	Ngt2	Night2
BI		42	Snow	Snow
BI		43	21S4a	21S4a
BI		44	21S4b	21S4b
BI		45	SV5b	SV5b
BI		46	Pwr	Power source frequency
BI		47	WM	WM
BI		48	Rep	Repeater output
BI		49	72C	72C
BI		50	CompOn	Comp ON
BI		51	M-NetSup	M-NET supply
BI		52	CH11	CH11
BI		53	INV-FAN1	INV-FAN1

- **PUHV-P [capacity] SCM-E/...**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
IV		03	F(Hz)	All temporary frequencies [Hz]
PIV		04	F1	Temporary frequency of No.1 COMP [Hz]
PIV		05	Foc	Temporary frequency [Hz]
PIV		06	FAN	Fan output [Hz]
IV		07	QjC	Total capacity Cool
IV		08	QjH	Total capacity Heat
PIV		09	LEV1	LEV1 Linear expansion valve [pls]
PIV		10	LEV2	LEV2 Linear expansion valve [pls]
AI		11	Idc	Direct current x 0.1 [A]
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	AL	AL
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		24	FAN-Ver	Fan1 SW version
PIV		25	Save	Capacity save signal [%]
PIV		26	OpeS	Operation Status
PIV		27	Attr	Attribute (OC/OS identification)
PIV		28	M-NetSupUn	M-NET supply unit
PIV		29	StrtUpUn	Start-up unit
AI		30	SCo	Heat exchanger outlet subcooling 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]
IV		37	AK	Heat exchanger capacity
AI		38	RotTm	Rotation timer
BI		39	SV1a	SV1(A)/SV1a
BI		40	Dmnd	Demand
BI		41	Dmnd2	Demand2
BI		42	Ngt	Night
BI		43	Ngt2	Night2
BI		44	Snow	Snow
BI		45	21S4a	21S4a
BI		46	Pwr	Power source frequency
BI		47	WM	WM
BI		48	Rep	Repeater output
BI		49	72C	72C
BI		50	CompOn	Comp ON
BI		51	M-NetSup	M-NET supply
BI		52	CH11	CH11
BI		53	INV-FAN1	INV-FAN1

- **PUHV-P [capacity] SCM-E/...**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
PIV		01	CtrlM	Control Mode
PIV		02	OpeM	Operation Mode
PIV		03	F1	Temporary frequency of No.1 COMP [Hz]
PIV		04	Fos	Temporary frequency [Hz]
PIV		05	FAN	Fan output [Hz]
IV		06	QjC	Total capacity Cool
IV		07	QjH	Total capacity Heat
PIV		08	LEV1	LEV1 Linear expansion valve [pls]
PIV		09	LEV2	LEV2 Linear expansion valve [pls]
AI		10	Idc	Direct current x 0.1 [A]
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		13	AL	AL
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		23	FAN-Ver	Fan1 SW version
PIV		24	Save	Capacity save signal [%]
PIV		25	OpeS	Operation Status
PIV		26	Attr	Attribute (OC/OS identification)
AI		27	SCo	Heat exchanger outlet subcooling 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]
IV		34	AK	Heat exchanger capacity
AI		35	RotTm	Rotation timer
BI		36	SV1a	SV1(A)/SV1a
BI		37	Dmnd	Demand
BI		38	Dmnd2	Demand2
BI		39	Ngt	Night
BI		40	Ngt2	Night2
BI		41	Snow	Snow
BI		42	21S4a	21S4a
BI		43	Pwr	Power source frequency
BI		44	WM	WM
BI		45	Rep	Repeater output
BI		46	72C	72C
BI		47	CompOn	Comp ON
BI		48	M-NetSup	M-NET supply
BI		49	CH11	CH11
BI		50	INV-FAN1	INV-FAN1

- **CAHV-P [capacity] YA/YB-HPB**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
VA	Index				
CSV		00		Type	Outdoor Unit Type Name
AI		01		TH1	TH1
AI		02		TH2	TH2
AI		03		TH3	TH3
AI		04		TH4	TH4
AI		05		TH5	TH5
AI		06		TH6	TH6
AI		07		TH7	TH7
AI		08		TH8	TH8
AI		09		TH9	TH9
AI		10		TH10	TH10
AI		11		TH11	TH11
AI		12		TH12	TH12
AI		13		TH13	TH13
AI		14		TH14	TH14
AI		15		TH15	TH15
AI		16		TH16	TH16
AI		17		THc10	THc10
AI		18		THc11	THc11
AI		19		THc12	THc12
AI		20		THc13	THc13
AI		21		THc14	THc14
AI		22		THc15	THc15

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
AI		01		TH11	Liquid-side refrigerant temp. of Heating-main heat exchanger
AI		02		TH12	Liquid-side refrigerant temp. of Cooling-main heat exchanger
AI		03		TH13	TH13 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

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

- **BC**

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
AI		07		P1	BC P1 High pressure x 0.1 [kg/cm2]
AI		08		P2	BC P2 High pressure x 0.1 [kg/cm2]
AI		09		P3	BC P3 Intermediate pressure x 0.1 [kg/cm2]
PIV		10		L1	BC L1 Liquid level control
PIV		11		L2	BC L2 Liquid level control
PIV		12		L3	BC L3 Liquid level control
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			
CSV		00		Type	Outdoor Unit Type Name
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

- **BC**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00		Type	Outdoor Unit Type Name
AI		01		T1	BC T1 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
BI		21		9a	9a
BI		22		Aa	Aa
BI		23		Ba	Ba
BI		24		Ca	Ca
BI		25		Da	Da
BI		26		Ea	Ea
BI		27		Fa	Fa

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		28	0a	0a
BI		29	1b	1b
BI		30	2b	2b
BI		31	3b	3b
BI		32	4b	4b
BI		33	5b	5b
BI		34	6b	6b
BI		35	7b	7b
BI		36	8b	8b
BI		37	9b	9b
BI		38	Ab	Ab
BI		39	Bb	Bb
BI		40	Cb	Cb
BI		41	Db	Db
BI		42	Eb	Eb
BI		43	Fb	Fb
BI		44	0b	0b
BI		45	1c	1c
BI		46	2c	2c
BI		47	3c	3c
BI		48	4c	4c
BI		49	5c	5c
BI		50	6c	6c
BI		51	7c	7c
BI		52	8c	8c
BI		53	9c	9c
BI		54	Ac	Ac
BI		55	Bc	Bc
BI		56	Cc	Cc
BI		57	Dc	Dc
BI		58	Ec	Ec
BI		59	Fc	Fc
BI		60	0c	0c
BI		61	SVM	SVM

- **BC(main)**

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	T1	BC T1 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
BI		21	9a	9a
BI		22	Aa	Aa
BI		23	Ba	Ba
BI		24	Ca	Ca
BI		25	Da	Da
BI		26	Ea	Ea
BI		27	Fa	Fa
BI		28	0a	0a
BI		29	1b	1b
BI		30	2b	2b
BI		31	3b	3b
BI		32	4b	4b
BI		33	5b	5b
BI		34	6b	6b
BI		35	7b	7b
BI		36	8b	8b
BI		37	9b	9b
BI		38	Ab	Ab
BI		39	Bb	Bb
BI		40	Cb	Cb
BI		41	Db	Db
BI		42	Eb	Eb
BI		43	Fb	Fb
BI		44	0b	0b
BI		45	1c	1c

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

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

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		33	4b	4b
BI		34	5b	5b
BI		35	6b	6b
BI		36	7b	7b
BI		37	8b	8b
BI		38	9b	9b
BI		39	Ab	Ab
BI		40	Bb	Bb
BI		41	Cb	Cb
BI		42	Db	Db
BI		43	Eb	Eb
BI		44	Fb	Fb
BI		45	0b	0b
BI		46	1c	1c
BI		47	2c	2c
BI		48	3c	3c
BI		49	4c	4c
BI		50	5c	5c
BI		51	6c	6c
BI		52	7c	7c
BI		53	8c	8c
BI		54	9c	9c
BI		55	Ac	Ac
BI		56	Bc	Bc
BI		57	Cc	Cc
BI		58	Dc	Dc
BI		59	Ec	Ec
BI		60	Fc	Fc
BI		61	0c	0c
PIV		62	BCSig	BC controller operation control signal
PIV		63	OCSig	Indoor unit operation control signal from OC

- **BS(KB)**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
CSV		00	Type	Outdoor Unit Type Name
AI		01	T2	BC T2 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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI	19		4b	4b
BI	20		5b	5b
BI	21		6b	6b
BI	22		7b	7b
BI	23		8b	8b
BI	24		1c	1c
BI	25		2c	2c
BI	26		3c	3c
BI	27		4c	4c
BI	28		5c	5c
BI	29		6c	6c
BI	30		7c	7c
BI	31		8c	8c

3.2.6.3 ME PRO Enumerated Parameters

- **Operation Mode (OpeM)**

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

- **Control Mode (CtrlM)**

Value	Description
0	Stop

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

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

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

- **Running mode (Mode)**

Value	Description
0	Stop
2	Setback
7	Heating
8	Cooling
9	Thermo stand-by
12	Defrost
13	Fan
14	Dry
15	Ventilation
18	Flame
32	Auto
44	Auto (Heating)
45	Auto (Cooling)
51	Force Stop
52	Defrost stand-by
53	Night P
96	Setback (Cooling)
97	Setback (Heating)
98	Auto
105	Pump stand-by
106	Retry
107	Error Stop

Value	Description
108	Emergency stop
109	Liquid flood back
144	Heating
145	Heating ECO
146	Hot Water
147	Anti-freeze
148	Cooling

- **Operating condition (State)**

Value	Description
0	Stop
1	Run
5	Stand by
6	Prohibit
10	ON
12	Defrost
19	Frost
41	Pre.H.
42	Heater
43	Raising
53	Interlocked operation
54	Delayed operation
131	Error

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

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

- **Fan speed (Fan)**

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

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

Value	Description
0	Close
1	Open

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

Value	Description
0	Close
1	Open

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

Value	Description
0	Close
1	Open

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

Value	Description
0	Stopping
1	Low
2	Extra Low
7	Hi

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

Value	Description
0	Stopping
1	Low
2	Extra Low
7	Hi

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

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

- **Ventilation Mode 2 (VentMd2)**

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

- **Supply fan status (SA_Op)**

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

- **Exhaust fan status (EA_Op)**

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

- **Damper (Dmp)**

Value	Description
0	Lossnay
1	Bypass
2	Lossnay

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

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

- **EA fan speed ordered from RC (EA_SetRC)**

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

- **Ventilation Mode 1 (VentMd1)**

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

Value	Description
114	Delayed operation/24hr Operation
128	Humidifying preparation
129	Humidifying preparation/Night purge
130	Humidifying preparation/24hr Operation
144	All device OFF
145	All device OFF/Night purge
146	All device OFF/24hr Operation

- **Ventilation Mode 2 (VentMd2)**

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

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

Value	Description
0	OFF
1	ON
32	Auto
131	OFF

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

Value	Description
0	Lossnay
1	Bypass
2	Auto

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

Value	Description
0	Stopping
1	Low

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

Value	Description
0	Stopping
1	Low

- **Control Mode (CtrlM)**

Value	Description
0	Stop
1	Error
2	Ordinary
3	Oj Change
4	Defrost
5	Warm up

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

- **Operation Mode (OpeM)**

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

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

Value	Description
0	Stop
12	Defrost
13	Fan

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

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

Value	Description
0	OUT
1	IN

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

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

- **OPERATION MODE (OpeM)**

Value	Description
0	Stop
2	Setback
7	Heating
8	Cooling
9	Thermo stand-by
12	Defrost
13	Fan
14	Dry
15	Ventilation
18	Flame
32	Auto
44	Auto (Heating)

Value	Description
45	Auto (Cooling)
51	Force Stop
52	Defrost stand-by
53	Night P
96	Setback (Cooling)
97	Setback (Heating)
98	Auto
105	Pump stand-by
106	Retry
107	Error Stop
108	Emergency stop
109	Liquid flood back
144	Heating
145	Heating ECO
146	Hot Water
147	Anti-freeze
148	Cooling

- **State (State)**

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

- **ALh (ALh)**

Value	Description
0	-
1	Low
2	Middle
3	High

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

Value	Description
0	Normal
1	Forward

Value	Description
2	Reverse

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

Value	Description
0	Normal
1	Forward
2	Reverse

- **Operation Status (OpeS)**

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

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

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

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

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

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

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

- **Power source frequency (Pwr)**

Value	Description
0	50 Hz
1	60 Hz

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

Value	Description
0	Stop
12	Defrost
13	Fan

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

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

Value	Description
1	Enable
3	Test Run
5	Stand by
6	Prohibit
12	Defrost
20	H. Only
21	H. Main
22	C. Only
23	C. Main
28	Ref. Conversion H.O
29	Ref. Conversion H.M
30	Ref. Conversion C.O
31	Ref. Conversion C.M
53	Oil Rec. H.F.H.O
54	Oil Rec. H.F.C.O
56	Oil Rec. L.F.H.O
57	Oil Rec. L.F.C.O

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

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

- **OnOffCtrl (OnOffCtrl)**

Value	Description
1	Run
2	Stop

- **WtrTCtrl (WtrTCtrl)**

Value	Description
0	IN
1	OUT

- **FnMdSt (FnMdSt)**

Value	Description
1	On
2	Off

- **Md (Md)**

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

- **DfrMd (DfrMd)**

Value	Description
0	Other
1	Wait
2	Limit
3	On

- **63H1 (63H1)**

Value	Description
0	Normal
1	Error

3.2.7 Samsung

3.2.7.1 Samsung PRO Indoor Units

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		00	Type	Indoor type string	
AI		01	Capacity	Capacity [HP]	
AI		02	EvaIn	Evaporation temperature IN1 [°C]	
AI		03	EvaOut	Eva temperature OUT1 [°C]	
PIV		04	EEV	EEV1	
BI		05	MTFC	MTFC Status	
PIV		06	ESP	Auto ESP	
AI		07	DisT	Discharge(Duct) temperature [°C]	
AI		08	DisCool	Discharge Set temp.(Cool) [°C]	
AI		09	DisHeat	Discharge Set temp.(Heat) [°C]	
PIV		10	BstrFan1	Booster Fan1 [RPM]	
PIV		11	BstrFan2	Booster Fan2 [RPM]	
PIV		12	BstrFan3	Booster Fan3 [RPM]	

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

3.2.7.2 Samsung PRO Outdoor Units

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

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
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]
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	EEVVlv	EEV Valve
BI		44	EviSol1	EVI Solenoid Valve1
BI		45	EviSol2	EVI Solenoid Valve2

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		46	EviBps	EVI Bypass
BI		47	CCH1	Comp Coil Heater1
BI		48	CCH2	Comp Coil Heater2
BI		49	BsHt	Base Heater
CSV		50	SN	Serial Number

- **DVM-S Eco 4/5/6HP**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	OpMode	Operation Mode
PIV		02	OpStat	Operation Status
PIV		03	ErrCode	Error Code
PIV		04	Cap	Capacity [hp]
PIV		05	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
CSV		28	SN	Serial Number

- **DVM-S Water HR**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	OpMode	Operation Mode
PIV		02	OpStat	Operation Status
PIV		03	ErrCode	Error Code
PIV		04	Cap	Capacity [hp]
PIV		05	TrgFreq1	Target Frequency1 [Hz]
PIV		06	OrdFreq1	Order Frequency1 [Hz]
PIV		07	CurFreq1	Current Frequency1 [Hz]
PIV		08	TrgFreq2	Target Frequency2 [Hz]
PIV		09	OrdFreq2	Order Frequency2 [Hz]
PIV		10	CurFreq2	Current Frequency2 [Hz]
AI		11	HiPrs	High Pressure x 0.1 [kg/cm2]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
IV		12	SatTPd	Saturated T Pd [°C]
AI		13	LoPrs	Low Pressure 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	EEVVlv	EEV Valve
BI		42	EviSol1	EVI Solenoid Valve1
BI		43	EviSol2	EVI Solenoid Valve2
BI		44	EviBps	EVI Bypass
BI		45	CCH1	Comp Coil Heater1
BI		46	CCH2	Comp Coil Heater2
BI		47	LiqTub	Liquid tube
BI		48	HotGasChrg	Hot Gas Charging
BI		49	FlwSw	Flow Switch
BI		50	2Way	2Way
BI		51	PumpOut	Pump Out
BI		52	DcFan	DC Fan
CSV		53	SN	Serial Number

- **DVM-S Eco 7/8/9HP**

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
IV		09		SatTPd	Saturated T Pd [°C]
AI		10		LoPrs	Low Pressure 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
CSV		32		SN	Serial Number

- **FJM**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		01		OpMode	Operation Mode
PIV		02		OpStat	Operation Status
PIV		03		ErrCode	Error Code
PIV		04		Cap	Capacity [hp]
PIV		05		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)
AI		10		CompTop1	Comp Top1 x 0.1 [°C]
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]

Object Identifier bits 31 22 Type	Instance 21 8 VA	Instance 7 0 Index	Short Name	Object Description
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
CSV		34	SN	Serial Number

- **CAC Inverter**

Object Identifier bits 31 22 Type	Instance 21 8 VA	Instance 7 0 Index	Short Name	Object Description
PIV		01	OpMode	Operation Mode
PIV		02	ErrCode	Error Code
PIV		03	TrgFreq1	Target Frequency1 [Hz]
PIV		04	OrdFreq1	Order Frequency1 [Hz]
PIV		05	CurFreq1	Current Frequency1 [Hz]
AI		06	DisT1	Discharge1 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]
CSV		18	SN	Serial Number

- **MCU**

Object Identifier bits 31 22 Type	Instance 21 8 VA	Instance 7 0 Index	Short Name	Object Description
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
PIV		08	A-EEV	A-EEV
PIV		09	A-Addr	A-Address
BI		10	B-Cool	B-Cool
BI		11	B-Heat	B-Heat
PIV		12	B-EEV	B-EEV
PIV		13	B-Addr	B-Address
BI		14	C-Cool	C-Cool
BI		15	C-Heat	C-Heat
PIV		16	C-EEV	C-EEV
PIV		17	C-Addr	C-Address
BI		18	D-Cool	D-Cool

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		19	D-Heat	D-Heat
PIV		20	D-EEV	D-EEV
PIV		21	D-Addr	D-Address
BI		22	E-Cool	E-Cool
BI		23	E-Heat	E-Heat
PIV		24	E-EEV	E-EEV
PIV		25	E-Addr	E-Address
BI		26	F-Cool	F-Cool
BI		27	F-Heat	F-Heat
PIV		28	F-EEV	F-EEV
PIV		29	F-Addr	F-Address

3.2.7.3 Samsung PRO Enumerated Parameters

- **Operation Mode (OpMode)**

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

- **Operation Status (OpStat)**

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

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

Value	Description
0	Not Completed
1	Completed

3.2.8 Fujitsu

3.2.8.1 Fujitsu PRO Outdoor Units

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

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 [Pls]

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		05	OiRcvr	Oil Recovery
BI		06	Cmp1	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]

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

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

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

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

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	Cap	Capacity [HP]
BI		02	Op	Operation
PIV		03	Md	Mode
BI		04	Dfrst	Defrost
BI		05	OilRcvr	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]

Object Identifier bits 31 22 21 8 7 0 Type	Instance VA	Instance Index	Short Name	Object Description
PIV		31	EEV1	EEV1 [Pls]
PIV		32	EEV2	EEV2 [Pls]

- **AJY[72/90/108]LELAH, AJYLELDH, AJHLELAH**

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

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

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

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

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

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

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

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

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

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 7 0 Instance VA	Object Identifier bits 21 8 7 0 Instance Index	Short Name	Object Description
PIV		01	Cap	Capacity [HP]
BI		02	Op	Operation
PIV		03	Md	Mode
BI		04	Dfrst	Defrost
BI		05	OilRcvr	Oil Recovery
BI		06	Cmp1	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

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

3.2.8.2 Fujitsu PRO Enumerated Parameters

- **Mode (Md)**

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

3.2.9 Midea

3.2.9.1 Midea PRO Indoor Units

- **V5**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
BI		01	Mdl	Model
AI		02	HP	Capacity x 0.1 [hp]
AI		03	T2B	T2B (Evaporator middle pipe temperature) x 0.1 [°C]
AI		04	T2A	T2A (Evaporator pipe temperature) x 0.1 [°C]
AI		05	T1	T1 (Ambient temperature) x 0.1 [°C]
AI		06	T3	T3 (Condenser pipe temperature) x 0.1 [°C]
PIV		07	Cur	Compressor current [A]
PIV		08	Hum	Humidity [%]
PIV		09	Dmnd	Capacity demand
PIV		10	Freq	Compressor frequency [Hz]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		11		EEV1	EEV1
PIV		12		EEV2	EEV2

- **V6**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		01		Mdl	Model
AI		02		HP	Capacity x 0.1 [hp]
AI		03		T2B	T2B x 0.1 [°C]
AI		04		T2	T2 x 0.1 [°C]
AI		05		T1	T1 (Ambient temperature) x 0.1 [°C]
PIV		06		EXV	EXV (Electronic expansion valve)

3.2.9.2 Midea PRO Outdoor Units

- **V6 Master**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		01		Md	Mode
PIV		02		PreHt	Preheat
PIV		03		OilRet	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]
PIV		20		EXVA	EXVA (electronic expansion valve A)
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		01		HP	HP [hp]
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		01		Md	Mode
BI		02		PreHt	Preheat
PIV		03		OilRet	Oil Return
PIV		04		Dfrst	Defrosting
PIV		05		MdOpPri	Mode operation priority
PIV		06		ShtRefSig	ShtRefSig
PIV		07		OvrCon	OvrCon
AI		08		SysT4	SysT4
AI		09		SysHP	SysHP
AI		10		SysLP	SysLP
PIV		11		MinDSH	MinDSH
PIV		12		PrtChk	PrtChk
PIV		13		FanStc	FanStc
PIV		14		SlntSt	SlntSt
PIV		15		Ton	Ton
PIV		16		Fan1	Fan1
PIV		17		Fan2	Fan2
AI		18		HiPrs	H pressure x 0.1
AI		19		LoPrs	LoPrs
AI		20		T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI		21		T3	T3 (condenser temperature) x 0.1 [°C]
IV		22		Tf	Tf
IV		23		Tc	Tc
AI		24		Te	Te
IV		25		T71	T71

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
IV		26	T72	T72
AI		27	T5	T5
AI		28	T7	T7
PIV		29	INV1	INV1 (compressor 1 frequency) [rps]
PIV		30	INV2	INV2
PIV		31	CUR1	CUR1 (current 1) [A]
PIV		32	CUR2	CUR2
PIV		33	EXVA/B	EXVA/B
PIV		34	EXVC	EXVB (electronic expansion valve C)
PIV		35	CRANK1	CRANK1
PIV		36	CRANK2	CRANK2
PIV		37	SV4	SV4
PIV		38	SV7	SV7
PIV		39	ST1	ST1
PIV		40	OnOff	OnOff
PIV		41	NqtSInt	NqtSInt
CSV		42	Err	Error Code
PIV		43	Dmnd	Demand
PIV		44	InvQty	InvQty

- **CR-HP Slave**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		01	Ton	Ton
PIV		02	Fan1	Fan1
PIV		03	Fan2	Fan2
AI		04	HiPrs	H pressure x 0.1
AI		05	LoPrs	LoPrs
AI		06	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI		07	T3	T3 (condenser temperature) x 0.1 [°C]
IV		08	Tf	Tf
IV		09	Tc	Tc
AI		10	Te	Te
IV		11	T71	T71
IV		12	T72	T72
AI		13	T5	T5
AI		14	T7	T7
PIV		15	INV1	INV1 (compressor 1 frequency) [rps]
PIV		16	INV2	INV2
PIV		17	CUR1	CUR1 (current 1) [A]
PIV		18	CUR2	CUR2
PIV		19	EXVA/B	EXVA/B
PIV		20	EXVC	EXVB (electronic expansion valve C)
PIV		21	CRANK1	CRANK1
PIV		22	CRANK2	CRANK2
PIV		23	SV4	SV4
PIV		24	SV7	SV7
PIV		25	ST1	ST1
PIV		26	OnOff	OnOff
PIV		27	NqtSInt	NqtSInt
CSV		28	Err	Error Code
PIV		29	Dmnd	Demand
PIV		30	InvQty	InvQty

- **CR-HR Master**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		01		Md	Mode
BI		02		PreHt	Preheat
PIV		03		OilRet	Oil Return
PIV		04		Dfrst	Defrosting
PIV		05		ShtRefSig	ShtRefSig
PIV		06		OvrCon	OvrCon
AI		07		SysT4	SysT4
PIV		08		MinDSH	MinDSH
PIV		09		PrtChk	PrtChk
PIV		10		FanStc	FanStc
PIV		11		SlntSt	SlntSt
PIV		12		MdChngSig	MdChngSig
PIV		13		PI	PI
PIV		14		FF	FF
IV		15		Tcs	Tcs
AI		16		Tes	Tes
PIV		17		Ton	Ton
PIV		18		Fan1	Fan1
PIV		19		Fan2	Fan2
AI		20		HiPrs	H pressure x 0.1
AI		21		LoPrs	LoPrs
AI		22		T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI		23		T3A	T3A
AI		24		T3C	T3C
IV		25		Tf	Tf
IV		26		Tc	Tc
AI		27		Te	Te
IV		28		T71	T71
IV		29		T72	T72
AI		30		T5	T5
AI		31		T6	T6
AI		32		T7	T7
PIV		33		INV1	INV1 (compressor 1 frequency) [rps]
PIV		34		INV2	INV2
PIV		35		CUR1	CUR1 (current 1) [A]
PIV		36		CUR2	CUR2
PIV		37		CRANK1	CRANK1
PIV		38		CRANK2	CRANK2
PIV		39		SV4	SV4
PIV		40		SV5	SV5
PIV		41		SV6	SV6
PIV		42		SV7	SV7
PIV		43		ST1	ST1
PIV		44		OnOff	OnOff
PIV		45		NqtSlnt	NqtSlnt
CSV		46		Err	Error Code
PIV		47		Dmnd	Demand
PIV		48		InvQty	InvQty
PIV		49		HexStp	HexStp

- **CR-HR Slave**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		01	Ton	Ton
PIV		02	Fan1	Fan1
PIV		03	Fan2	Fan2
AI		04	HiPrs	H pressure x 0.1
AI		05	LoPrs	LoPrs
AI		06	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI		07	T3A	T3A
AI		08	T3C	T3C
IV		09	Tf	Tf
IV		10	Tc	Tc
AI		11	Te	Te
IV		12	T71	T71
IV		13	T72	T72
AI		14	T5	T5
AI		15	T6	T6
AI		16	T7	T7
PIV		17	INV1	INV1 (compressor 1 frequency) [rps]
PIV		18	INV2	INV2
PIV		19	CUR1	CUR1 (current 1) [A]
PIV		20	CUR2	CUR2
PIV		21	CRANK1	CRANK1
PIV		22	CRANK2	CRANK2
PIV		23	SV4	SV4
PIV		24	SV5	SV5
PIV		25	SV6	SV6
PIV		26	SV7	SV7
PIV		27	ST1	ST1
PIV		28	OnOff	OnOff
PIV		29	NgtSlnt	NgtSlnt
CSV		30	Err	Error Code
PIV		31	Dmnd	Demand
PIV		32	InvQty	InvQty
PIV		33	HexStp	HexStp

- **CR-Mini Master**

Object Identifier bits 31 22	21 8	7 0	Short Name	Object Description
Type	Instance VA	Index		
PIV		01	Md	Mode
PIV		02	OiRet	Oil Return
PIV		03	Dfrst	Defrosting
AI		04	SysT4	SysT4
AI		05	SysHP	SysHP
PIV		06	MinDSH	MinDSH
PIV		07	PrtChk	PrtChk
PIV		08	Ton	Ton
PIV		09	Fan1	Fan1
PIV		10	Fan2	Fan2
AI		11	HiPrs	H pressure x 0.1
AI		12	T4	T4 (outdoor ambient temperature) x 0.1 [°C]
AI		13	T3	T3 (condenser temperature) x 0.1 [°C]
IV		14	Tf	Tf
IV		15	Tc	Tc
IV		16	T5	T5
PIV		17	INV1	INV1 (compressor 1 frequency) [rps]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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	OnOff
CSV		26	Err	Error Code
PIV		27	Dmnd	Demand
PIV		28	InvQty	InvQty

- **CR-Mini Slave**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	Ton	Ton
PIV		02	Fan1	Fan1
PIV		03	Fan2	Fan2
AI		04	HiPrs	H pressure 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	Tf
IV		08	Tc	Tc
IV		09	T5	T5
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	OnOff
CSV		19	Err	Error Code
PIV		20	Dmnd	Demand
PIV		21	InvQty	InvQty

3.2.9.3 Midea PRO Enumerated Parameters

- **Mode (Md)**

Value	Description
0	OFF
1	FAN
2	COOL
3	HEAT
4	F_COOL
5	M_COOL
6	M_HEAT
7	F_HEAT

- **Mode operation priority (MdOpPri)**

Value	Description
0	AUTO
1	COOL
2	VIP
3	HEAT ONLY
4	COOL ONLY
5	COOL ONLY
6	COOL ONLY
7	COOL ONLY
8	COOL ONLY
9	COOL ONLY
10	COOL ONLY
11	COOL ONLY
12	COOL ONLY
13	COOL ONLY
14	COOL ONLY
15	COOL ONLY

- **Model (Mdl)**

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

- **Model (Mdl)**

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

Value	Description
29	1st Gen.IDU
30	1st Gen.IDU
31	1st Gen.IDU

3.2.10 Toshiba

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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			
PIV		01		No.NET	NO.NET
BI		02		Kind	Kind
PIV		03		Type	Type
AI		04		HP	HP x 0.1 [hp]
BI		05		Mode	Operation Mode
PIV		06		Capacity	Requirement Capacity [%]
BI		07		Fan	Fan Mode
PIV		08		PMV	PMV
AI		09		TC1	TC1 x 0.1 [°C]
AI		10		TC2	TC2 x 0.1 [°C]
AI		11		TJ	TJ x 0.1 [°C]
AI		12		TA	RoomTemp(TA) x 0.1 [°C]
AI		13		TF	Discharge Air Temperature sensor for VN Units x 0.1 [°C]
PIV		14		Error	Error Code
BI		15		W_Pump	W_Pump
BI		16		Heater	Heater
BI		17		Valve	Valve
AI		18		TSA	Supply Air Temperature Sensor for A2A Heat Exchanger Unit 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 SMMSu PRO Indoor Units

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		01		Mdl	Model Name
CSV		02		SN	Serial No.
PIV		03		Kind	Kind
PIV		04		Type	Type
AI		05		HP	HP [hp]
PIV		06		CA	Central Address
BI		07		Mode	Operation Mode
PIV		08		ReqCap	Requirement Capacity [%]
BI		09		Fan	Fan Mode
PIV		10		PMV	PMV
AI		11		TC1	TC1 x 0.1 [°C]
AI		12		TC2	TC2 x 0.1 [°C]
AI		13		TCj	TCj x 0.1 [°C]
AI		14		TA	RoomTemp(TA) x 0.1 [°C]
AI		15		TF	Discharge Air Temperature sensor for VN Units x 0.1 [°C]
PIV		16		NtcCd	Notice Code
AI		17		TSA	Supply Air Temperature Sensor for A2A Heat Exchanger Unit x 0.1 [°C]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
AI		18		TOA	Outdoor Air Temperature Sensor for A2A Heat Exchanger Unit x 0.1 [°C]
AI		19		CtrlT	Room Temp Control x 0.1 [°C]
BI		20		FrzPrCtrl	Freeze prevention Control

3.2.10.3 Toshiba PRO Outdoor Units

- **SMMS Header**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 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
AI		07		Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		08		Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		09		TD1	TD1 Discharge Temp x 0.1 [°C]
AI		10		TD2	TD2 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]
AI		17		TK1	TK1:Oil Temp1 x 0.1 [°C]
AI		18		TK2	TK2:Oil Temp2 x 0.1 [°C]
AI		19		TK3	TK3:Oil Temp3 x 0.1 [°C]
AI		20		TK4	TK4:Oil Temp4 x 0.1 [°C]
PIV		21		CheckCd1	Check Code1
PIV		22		CheckCd2	Check Code2
PIV		23		OilLvCk1	Oil Level Check1
PIV		24		OilLvCk2	Oil Level Check2
BI		25		CompBUp1	Comp BackUp1
BI		26		CompBUp2	Comp BackUp2
AI		27		I1	I1 [A]
AI		28		I2	I2 [A]
IV		29		PMV1+2	PMV1+2
BI		30		SV2	SV2:Hot Gas Bypass
BI		31		SV5	SV5 ON/OFF
BI		32		SV3A	SV3A:Oil Supply ON/OFF
BI		33		SV3B	SV3B:Oil Return ON/OFF
BI		34		SV3C	SV3C:Gas Pressure ON/OFF
BI		35		SV3D	SV3D:Separator Open
BI		36		SV3E	SV3E:Oil Balance ON/OFF
BI		37		SV41	SV41:Comp Start Assist
BI		38		SV42	SV42:Comp Start Assist

- **SMMS Follower**

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
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
AI		07	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		08	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		09	TD1	TD1 Discharge Temp x 0.1 [°C]
AI		10	TD2	TD2 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	TS	TS Suction Temp x 0.1 [°C]
AI		14	TU	TU Low Pressure Temp x 0.1 [°C]
AI		15	TK1	TK1:Oil Temp1 x 0.1 [°C]
AI		16	TK2	TK2:Oil Temp2 x 0.1 [°C]
AI		17	TK3	TK3:Oil Temp3 x 0.1 [°C]
AI		18	TK4	TK4:Oil Temp4 x 0.1 [°C]
BI		19	OilLvCk1	Oil Level Check1
BI		20	OilLvCk2	Oil Level Check2
PIV		21	I1	Follower I1 [A]
PIV		22	I2	Follower I2 [A]
IV		23	PMV1+2	PMV1+2
BI		24	SV2	SV2:Hot Gas Bypass
BI		25	SV5	SV5 ON/OFF
BI		26	SV3A	SV3A:Oil Supply ON/OFF
BI		27	SV3B	SV3B:Oil Return ON/OFF
BI		28	SV3C	SV3C:Gas Pressure ON/OFF
BI		29	SV3D	SV3D:Separator Open
BI		30	SV3E	SV3E:Oil Balance ON/OFF
BI		31	SV41	SV41:Comp Start Assist
BI		32	SV42	SV42:Comp Start Assist

- **SMMSe Header**

Object Identifier bits 31 22 Type	Object Identifier bits 21 8 Instance VA	Object Identifier bits 7 0 Instance Index	Short Name	Object Description
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
AI		07	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		08	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		09	TD1	TD1 Discharge Temp x 0.1 [°C]
AI		10	TD2	TD2 Discharge Temp x 0.1 [°C]
AI		11	TE1	TE1:Heat Exchanger Temp x 0.1 [°C]
AI		12	TE2	TE2:Heat Exchanger Temp x 0.1 [°C]
AI		13	TL1	TL1:Liquid Pipe Temp x 0.1 [°C]
AI		14	TL2	TL2:Liquid Pipe Temp x 0.1 [°C]
AI		15	TL3	TL3:Liquid Pipe Temp x 0.1 [°C]
AI		16	TS1	TS1:Suction Temp x 0.1 [°C]
AI		17	TS3	TS3:Suction Temp x 0.1 [°C]
AI		18	TG1	TG1:Gas.Temp x 0.1 [°C]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		19	TG2	TG2:Gas.Temp x 0.1 [°C]
AI		20	TG	TG:High Pressure Temp x 0.1 [°C]
AI		21	TU	TU Low Pressure Temp x 0.1 [°C]
AI		22	TO	TO Outdoor Air Temp x 0.1 [°C]
AI		23	TK1	TK1:Oil Temp1 x 0.1 [°C]
AI		24	TK2	TK2:Oil Temp2 x 0.1 [°C]
AI		25	TK4	TK4:Oil Temp4 x 0.1 [°C]
AI		26	TK5	TK5:Oil Temp5 x 0.1 [°C]
AI		27	TH1	TH1:Comp1 IGBT Temp x 0.1 [°C]
AI		28	TH2	TH2:Comp2 IGBT Temp x 0.1 [°C]
AI		29	THF1	THF1:Fan Motor1 IGBT Temp x 0.1 [°C]
AI		30	THF2	THF2:Fan Motor1 IGBT Temp x 0.1 [°C]
PIV		31	CheckCd1	Check Code1
PIV		32	CheckCd2	Check Code2
PIV		33	OilLvCk1	Oil Level Check1
PIV		34	OilLvCk2	Oil Level Check2
BI		35	CompBUp1	Comp BackUp1
BI		36	CompBUp2	Comp BackUp2
AI		37	I1	I1 [A]
AI		38	I2	I2 [A]
IV		39	PMV1	PMV1 [pls]
IV		40	PMV3	PMV3 [pls]
IV		41	PMV4	PMV4 [pls]
BI		42	SV2	SV2:Hot Gas Bypass
BI		43	SV3A	SV3A:Oil Supply ON/OFF
BI		44	SV3B	SV3B:Oil Return ON/OFF
BI		45	SV3C	SV3C:Gas Pressure ON/OFF
BI		46	SV3D	SV3D:Separator Open
BI		47	SV3E	SV3E:Oil Balance ON/OFF
BI		48	SV41	SV41:Comp Start Assist
BI		49	SV42	SV42:Comp Start Assist
BI		50	AccHeat	Accumulator Heater
BI		51	Co1Heat	Comp1 Heater
BI		52	Co2Heat	Comp2 Heater
BI		53	SV51	SV51
BI		54	SV52	SV52
BI		55	CFoStop1	Comp Forced Stop1
BI		56	CFoStop2	Comp Forced Stop2

- **SMMSe Follower**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
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
AI		07	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		08	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		09	TD1	TD1 Discharge Temp x 0.1 [°C]
AI		10	TD2	TD2 Discharge Temp x 0.1 [°C]
AI		11	TE1	TE1:Heat Exchanger Temp x 0.1 [°C]
AI		12	TE2	TE2:Heat Exchanger Temp x 0.1 [°C]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
AI		13		TL1	TL1:Liquid Pipe Temp x 0.1 [°C]
AI		14		TL2	TL2:Liquid Pipe Temp x 0.1 [°C]
AI		15		TL3	TL3:Liquid Pipe Temp x 0.1 [°C]
AI		16		TS1	TS1:Suction Temp x 0.1 [°C]
AI		17		TS3	TS3:Suction Temp x 0.1 [°C]
AI		18		TG1	TG1:Gas.Temp x 0.1 [°C]
AI		19		TG2	TG2:Gas.Temp x 0.1 [°C]
AI		20		TU	TU Low Pressure Temp x 0.1 [°C]
AI		21		TO	TO Outdoor Air Temp x 0.1 [°C]
AI		22		TK1	TK1:Oil Temp1 x 0.1 [°C]
AI		23		TK2	TK2:Oil Temp2 x 0.1 [°C]
AI		24		TK4	TK4:Oil Temp4 x 0.1 [°C]
AI		25		TK5	TK5:Oil Temp5 x 0.1 [°C]
BI		26		OilLvCk1	Oil Level Check1
BI		27		OilLvCk2	Oil Level Check2
AI		28		I1	I1 [A]
AI		29		I2	I2 [A]
IV		30		PMV1	PMV1 [pls]
IV		31		PMV3	PMV3 [pls]
IV		32		PMV4	PMV4 [pls]
BI		33		SV2	SV2:Hot Gas Bypass
BI		34		SV3A	SV3A:Oil Supply ON/OFF
BI		35		SV3B	SV3B:Oil Return ON/OFF
BI		36		SV3C	SV3C:Gas Pressure ON/OFF
BI		37		SV3D	SV3D:Separator Open
BI		38		SV3E	SV3E:Oil Balance ON/OFF
BI		39		SV41	SV41:Comp Start Assist
BI		40		SV42	SV42:Comp Start Assist
BI		41		AccHeat	Accumulator Heater
BI		42		Co1Heat	Comp1 Heater
BI		43		Co2Heat	Comp2 Heater
BI		44		SV51	SV51
BI		45		SV52	SV52
BI		46		CFoStop1	Comp Forced Stop1
BI		47		CFoStop2	Comp Forced Stop2
BI		48		CompBUp1	Comp BackUp1
BI		49		CompBUp2	Comp BackUp2

- **SMMS-Mini**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		01		HP	Outdoor Unit HP
AI		02		Comp(1)	Comp(1) Hz x 0.1 [Hz]
IV		03		FanMode	Outdoor Unit FanMode
BI		04		4wayVlv	4way Valve
AI		05		Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		06		Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		07		TD1	TD1 Discharge Temp x 0.1 [°C]
AI		08		TE	TE:Heat Exchanger Temp x 0.1 [°C]
AI		09		TL	TL:Liquid Pipe Temp x 0.1 [°C]
AI		10		TG	TG:High Pressure Temp x 0.1 [°C]
AI		11		TS	TS Suction Temp x 0.1 [°C]
AI		12		TU	TU Low Pressure Temp x 0.1 [°C]
AI		13		TO	TO Outdoor Air Temp x 0.1 [°C]

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
PIV		14		CheckCd1	Check Code1
PIV		15		CheckCd2	Check Code2
AI		16		MCUver	MCU Version
AI		17		I1	I1 [A]
IV		18		PMV1	PMV1 [pls]
BI		19		SV2	SV2:Hot Gas Bypass
BI		20		SV3A	SV3A:Oil Supply ON/OFF
BI		21		SV5	SV5 ON/OFF
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				
	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
AI		07		Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		08		Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		09		TD1	TD1 Discharge Temp x 0.1 [°C]
AI		10		TD2	TD2 Discharge Temp x 0.1 [°C]
AI		11		TE1	TE1:Heat Exchanger Temp x 0.1 [°C]
AI		12		TE2	TE2:Heat Exchanger Temp x 0.1 [°C]
AI		13		TL1	TL1:Liquid Pipe Temp x 0.1 [°C]
AI		14		TS1	TS1:Suction Temp x 0.1 [°C]
AI		15		TS2	TS2:Suction Temp x 0.1 [°C]
AI		16		TG	TG:High Pressure Temp x 0.1 [°C]
AI		17		TU	TU Low Pressure Temp x 0.1 [°C]
AI		18		TO	TO Outdoor Air Temp x 0.1 [°C]
AI		19		InvCurRl	INV Current Release * [A]
AI		20		TK1	TK1:Oil Temp1 x 0.1 [°C]
AI		21		TK2	TK2:Oil Temp2 x 0.1 [°C]
AI		22		TK4	TK4:Oil Temp4 x 0.1 [°C]
AI		23		TK5	TK5:Oil Temp5 x 0.1 [°C]
AI		24		TH1	TH1:Comp1 IGBT Temp x 0.1 [°C]
AI		25		TH2	TH2:Comp2 IGBT Temp x 0.1 [°C]
AI		26		TH3	TH3 x 0.1 [°C]
PIV		27		CheckCd1	Check Code1
PIV		28		CheckCd2	Check Code2
PIV		29		OilLvCk1	Oil Level Check1
PIV		30		OilLvCk2	Oil Level Check2
BI		31		CompBUp1	Comp BackUp1
BI		32		CompBUp2	Comp BackUp2
AI		33		I1	I1 [A]
AI		34		I2	I2 [A]
AI		35		I3	I3 [A]
IV		36		PMV1	PMV1 [pls]

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
IV		37	PMV3	PMV3 [pls]
IV		38	PMV4	PMV4 [pls]
BI		39	SV2	SV2:Hot Gas Bypass
BI		40	SV3A	SV3A:Oil Supply ON/OFF
BI		41	SV3B	SV3B:Oil Return ON/OFF
BI		42	SV3C	SV3C:Gas Pressure ON/OFF
BI		43	SV3D	SV3D:Separator Open
BI		44	SV3E	SV3E:Oil Balance ON/OFF
BI		45	SV41	SV41:Comp Start Assist
BI		46	SV42	SV42:Comp Start Assist
BI		47	SV51	SV51
BI		48	SV52	SV52
BI		49	CFoStop1	Comp Forced Stop1
BI		50	CFoStop2	Comp Forced Stop2
BI		51	SV61	SV61
BI		52	SV11	SV11
BI		53	SV12	SV12

- **SHRMe**

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
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
AI		07	Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		08	Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		09	TD1	TD1 Discharge Temp x 0.1 [°C]
AI		10	TD2	TD2 Discharge Temp x 0.1 [°C]
AI		11	TE1	TE1:Heat Exchanger Temp x 0.1 [°C]
AI		12	TE2	TE2:Heat Exchanger Temp x 0.1 [°C]
AI		13	TL1	TL1:Liquid Pipe Temp x 0.1 [°C]
AI		14	TS1	TS1:Suction Temp x 0.1 [°C]
AI		15	TS2	TS2:Suction Temp x 0.1 [°C]
AI		16	TU	TU Low Pressure Temp x 0.1 [°C]
AI		17	TO	TO Outdoor Air Temp x 0.1 [°C]
AI		18	TK1	TK1:Oil Temp1 x 0.1 [°C]
AI		19	TK2	TK2:Oil Temp2 x 0.1 [°C]
AI		20	TK4	TK4:Oil Temp4 x 0.1 [°C]
AI		21	TK5	TK5:Oil Temp5 x 0.1 [°C]
BI		22	OilLvCk1	Oil Level Check1
BI		23	OilLvCk2	Oil Level Check2
AI		24	I1	I1 [A]
AI		25	I2	I2 [A]
IV		26	PMV1	PMV1 [pls]
IV		27	PMV3	PMV3 [pls]
IV		28	PMV3	PMV3 [pls]
BI		29	SV2	SV2:Hot Gas Bypass
BI		30	SV3A	SV3A:Oil Supply ON/OFF
BI		31	SV3B	SV3B:Oil Return ON/OFF
BI		32	SV3C	SV3C:Gas Pressure ON/OFF
BI		33	SV3D	SV3D:Separator Open

Object Identifier bits 31 22 Type	21 8 Instance VA	7 0 Instance Index	Short Name	Object Description
BI	34		SV3E	SV3E:Oil Balance ON/OFF
BI	35		SV41	SV41:Comp Start Assist
BI	36		SV42	SV42:Comp Start Assist
BI	37		SV51	SV51
BI	38		SV52	SV52
BI	39		SV61	SV61
BI	40		SV11	SV11
BI	41		SV12	SV12
BI	42		SV14	SV14
BI	43		SV15	SV15
BI	44		CFoStop1	Comp Forced Stop1
BI	45		CFoStop2	Comp Forced Stop2
BI	46		CompBUp1	Comp BackUp1
BI	47		CompBUp2	Comp BackUp2

3.2.10.4 Toshiba PRO Outdoor Systems

- **SMMS**

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

- **SMMSe, SHRMe**

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

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

- **SMMS-Mini**

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

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
BI		27		LoFanOp	Low Fan Operation
BI		28		HtSinkRl	Heat sink overheat release
IV		29		TotCtStp	Odu Capacity Tot.Ctrl(step)

3.2.10.5 Toshiba SMMSu PRO Outdoor Units

- **SMMSu**

Object Identifier bits				Short Name	Object Description
31 22	21 8	7 0			
Type	Instance				
	VA	Index			
CSV		01		Mdl	Model Name
CSV		02		SN	Serial No.
PIV		03		HP	Outdoor Unit HP
PIV		04		StPri	Starting Priority
PIV		05		DfrstGr	Defrost Gr
BI		06		OilLvCk1	Oil Level Check1
BI		07		OilLvCk2	Oil Level Check2
BI		08		CFoStop1	Comp Forced Stop1
BI		09		CFoStop2	Comp Forced Stop2
BI		10		CompBUp1	Comp BackUp1
BI		11		CompBUp2	Comp BackUp2
CSV		12		ChkCd	Check code
PIV		13		ChkCd	ChkCd
CSV		14		PreChkCd	Pre-Check code
PIV		15		PreChkCd	PreChkCd
PIV		16		NtcCd1	Notice Code1
PIV		17		NtcCd2	Notice Code2
PIV		18		NtcCd3	Notice Code3
PIV		19		NtcCd4	Notice Code4
PIV		20		NtcCd5	Notice Code5
AI		21		Comp1	Comp(1) Hz x 0.1 [Hz]
AI		22		Comp2	Comp(2) Hz x 0.1 [Hz]
PIV		23		FanMode	Outdoor Unit FanMode
AI		24		Pd[psi]	Pd:High Pressure x 0.1 [PSI]
AI		25		Ps[psi]	Ps:Low Pressure x 0.1 [PSI]
AI		26		TG	TG:High Pressure Temp x 0.1 [°C]
AI		27		TU	TU Low Pressure Temp x 0.1 [°C]
AI		28		TD1	TD1 Discharge Temp x 0.1 [°C]
AI		29		TD2	TD2 Discharge Temp x 0.1 [°C]
AI		30		TK1	TK1:Oil Temp1 x 0.1 [°C]
AI		31		TK2	TK2:Oil Temp2 x 0.1 [°C]
AI		32		TS1	TS1:Suction Temp x 0.1 [°C]
AI		33		TS3	TS3:Suction Temp x 0.1 [°C]
AI		34		TE1	TE1:Heat Exchanger Temp x 0.1 [°C]
AI		35		TE2	TE2:Heat Exchanger Temp x 0.1 [°C]
AI		36		TE3	TE3 x 0.1 [°C]
AI		37		TG1	TG1:Gas.Temp x 0.1 [°C]
AI		38		TG2	TG2:Gas.Temp x 0.1 [°C]
AI		39		TG3	TG3 x 0.1 [°C]
AI		40		TL1	TL1:Liquid Pipe Temp x 0.1 [°C]
AI		41		TL2	TL2:Liquid Pipe Temp x 0.1 [°C]
AI		42		TL3	TL3:Liquid Pipe Temp x 0.1 [°C]
AI		43		TO	TO Outdoor Air Temp x 0.1 [°C]
AI		44		TH1	TH1:Comp1 IGBT Temp x 0.1 [°C]

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
AI		45	TH2	TH2:Comp2 IGBT Temp x 0.1 [°C]
AI		46	THF1	THF1:Fan Motor1 IGBT Temp x 0.1 [°C]
AI		47	THF2	THF2:Fan Motor1 IGBT Temp x 0.1 [°C]
AI		48	I1	I1 [A]
AI		49	I2	I2 [A]
PIV		50	PwrOnTm	Power ON Time [hr]
PIV		51	PMV1	PMV1 [pls]
PIV		52	PMV2	PMV2 [pls]
PIV		53	PMV3	PMV3 [pls]
PIV		54	PMV4	PMV4 [pls]
BI		55	4wayVlv	4way Valve
BI		56	SV41	SV41:Comp Start Assist
BI		57	SV42	SV42:Comp Start Assist
BI		58	SV3D	SV3D:Separator Open
BI		59	SV3F	SV3F
BI		60	SV5B	SV5B
BI		61	Co1Heat	Comp1 Heater
BI		62	Co2Heat	Comp2 Heater
BI		63	AccHeat	Accumulator Heater

3.2.10.6 Toshiba SMMSu PRO Outdoor Systems

- **SMMSu**

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
PIV		01	TotHP	Total HP [hp]
BI		02	HiPrsRel	High Pressure Release
BI		03	DschTRel	Discharge Temp Release
BI		04	DfrstPrepHt	Defrost preparation (Heating)
BI		05	DfrstCtrlCl	During Defrost control (Cooling)
BI		06	DfrstFinCl	Defrost finish action (Cooling)
BI		07	CStart	Cooling Start
BI		08	HStart	Heating Start
BI		09	OilRecC	Oil Recovery(Cool)
BI		10	OilRecH	Oil Recovery(Heat)
BI		11	OilEqCt	Oil Equalizing Control
BI		12	StatOv	Status Over (outdoor capacity correction)
BI		13	StatSh	Status Short (outdoor capacity correction)
BI		14	DmndRel	Demand release
BI		15	SndRedCt	Sound Reduction Control
BI		16	SnowFnCt	Snowfall Fan Control
AI		17	Inv1CurCtrl	Control current INV1 [A]
PIV		18	IndCapCorrFc	Indoor Unit capacity correction factor [%]
PIV		19	DmndRelRto	Demand release ratio [%]
PIV		20	TotalCon	Indoor Total Connect
PIV		21	TotReqCapStep	TotReqCapStep
AI		22	TotReqCap	Total required capacity x 0.1 [%]
PIV		23	OnStrtHH	On Time From Start [hh] [hr]
PIV		24	OnStrtMM	On Time From Start [mm] [min]
PIV		25	StopKeep	Unit Stop keep timer
PIV		26	SysStopKeep	System Stop keep timer
PIV		27	IndAddrWTer	Indoor address with terminator
BI		28	CommProt	Communication protocol

Object Identifier bits			Short Name	Object Description
31 22	21 8	7 0		
Type	Instance			
	VA	Index		
BI		29	CommSpeed	Communication speed at Uv line
PIV		30	RSW1	RSW1
PIV		31	RSW2	RSW2
PIV		32	RSW3	RSW3
PIV		33	SW101	SW101
PIV		34	SW102	SW102
PIV		35	SW103	SW103
PIV		36	SW104	SW104
PIV		37	SW105	SW105
CSV		38	7Seg	7 segment display

3.2.10.7 Toshiba PRO Enumerated Parameters

- **Kind (Kind)**

Value	Description
0	Normal
1	Fresh
2	Fresh
3	Fresh

- **Type (Type)**

Value	Description
0	1-way
1	4-way
2	2-way
3	1-way
4	C-Duct
5	S-Duct
6	H-Duct
7	U-Ceiling
8	High wall
9	Kitchen
10	F-Cabinet
11	F-Concealed
12	F-8/10
13	F-Standing
14	Compact
15	SSD
16	Fresh-D
17	Fresh-F
18	Console
19	Ice
26	H-Duct
27	PAC-F
28	PAC-D
29	V-AHU
30	V-AHU
31	RoofTop
32	RoofTop
50	A2A
51	A2A
52	A2A
53	A2A
55	RA
56	RA

Value	Description
60	M-HWM
61	M-HWM
62	H-HWM
63	M-HWM
65	Large-PAC
66	Large-PAC
67	Large-PAC

- **Operation Mode (Mode)**

Value	Description
1	Heat
2	Cool
3	Fan
4	Dry
5	Auto (heat)
6	Auto (cool)

- **Fan Mode (Fan)**

Value	Description
2	Stop
3	Stop
4	Auto
5	Auto
6	High
7	High
8	Med
9	Med
10	Low
11	Low
12	Ultra Low
13	Ultra Low

3.2.10.8 Toshiba SMMSu PRO Enumerated Parameters

- **Kind (Kind)**

Value	Description
0	Normal
1	Normal
2	Normal
3	Normal
4	Normal
5	Normal
6	Normal
7	Normal
8	Normal
9	Normal
10	Normal
11	Normal
12	Normal
13	Normal
14	Normal
15	Normal
16	Fresh
17	Fresh
18	Normal
19	Normal
21	Normal

Value	Description
26	Normal
27	Normal
28	Normal
29	Normal
30	Normal
31	Normal
32	Normal
50	DX-Coil Unit
51	DX-Coil Unit
52	DX-Coil Unit
53	DX-Coil Unit
55	Dx-I/F
56	Dx-I/F
60	Hot Water
61	Hot Water
62	Hot Water
63	Hot Water
65	Normal
66	Fresh
67	Fresh
68	Normal
69	Fresh

- **Type (Type)**

Value	Description
0	1-way
1	4-way
2	2-way
3	1-way
4	C-Duct
5	S-Duct
6	H-Duct
7	U-Ceiling
8	High wall
9	Kitchen
10	F-Cabinet
11	F-Concealed
12	F-8/10
13	F-Standing
14	Compact
15	SSD
16	Fresh-D
17	Fresh-F
18	Console
19	Ice
21	SSD
26	H-Duct
27	PAC-F
28	PAC-D
29	V-AHU
30	V-AHU
31	Rooftop
32	Rooftop
50	A2A
51	A2A
52	A2A
53	A2A
55	0-10V/RA
56	0-10V/RA

Value	Description
60	M-HWM
61	M-HWM
62	H-HWM
63	H-HWM
65	L-Duct
66	L-Direct
67	L-Fresh
68	FLEXAIR
69	FLEXAIR-F

- **Fan Mode (Fan)**

Value	Description
1	Off
2	Auto
3	HH
4	HH
5	L
6	LL
9	Off
10	Auto
11	HH
12	H+
13	L+
14	LL

4 Commands Reference

line
bacnet
va

4.1 bacnet

SYNOPSIS

```
bacnet
bacnet IP enable
bacnet IP disable
bacnet port <PORT>
bacnet instance <DEV_INST>
```

DESCRIPTION

- Without parameters **bacnet** command displays current bacnet configuration.
- **bacnet IP** command is used to enable or disable BACnet IP module**.**
- **bacnet port** command is used to configure UDP port used by BACnet IP module.
- **bacnet instance** command is used to configure Device Instance of the Device Object Identifier. **DEV_INST** is a decimal number. After changing Device Instance device must be restarted.

EXAMPLE

See examples in Configuration chapter.

4.2 line

SYNOPSIS

```
line
line type <Ln> BAC
line myid <Ln> <TS>
line baud <Ln> <FRAME>
```

DESCRIPTION

<Ln> parameter denotes communication line number like for example: **L3** or **L4**.

- Without parameters **line** command prints status of all communication lines available in specific device.
- **line type** command is used to activate BACnet MS/TP module on line **<Ln>.**
- **line myid** command is used to change TS address. <TS> parameter should be provided as hexadecimal number without leading 0x.
- **line baud** command is used to change BACnet MS/TP frame format for line **<Ln>**. **<FRAME>** parameter format is **<BAUD>_<8|9><N|E|O><1|2>**. Supported baud rates for **<BAUD>** parameter are: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200. Frame format change is effective only after power reset.

EXAMPLE

See examples in BACnet MS/TP Configuration chapter.

4.3 va

SYNOPSIS

```
va
va auto
va + <UID> <VA>
va delall
va - <UID>|<VA>
va ram <N>
```

DESCRIPTION

<UID> parameter denotes Indoor Unit identifier/number like for example: **L1.100** or **L2.003**. **<VA>** parameter denotes VA number in decimal format.

- Without parameters **va** command prints status of all allocated VA's.
- **va auto** command is used to automatically distribute VA's for all detected UID's one to one. Previously allocated VA's will be deleted
- **va + <UID> <VA>** command will allocate VA for given UID. Number of VA's allocated for UID is not limited.
- **va delall** command will delete all allocated VA's.
- **va - <UID>** will delete all allocated VA's for given UID.
- **va - <VA>** will delete specific VA.
- **va ram <N>** resizes RAM memory used for VA's. Parameter **<N>** denotes a desired total number of VA's that can be allocated. By default N=170. VA's memory resize is effective only after power reset.

EXAMPLE

See examples in VA's Configuration chapter.