



Communication manual

Access software from 4.0-1-04 to 4.4-1-01

EN

Document in original language | 153831 · A007



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Chapter 1 About this document

Introduction

This document describes all Access signals that are accessible via EXOline, Modbus and BACnet.

Software version

Access version	Available
V4.0-1-04	Modbus are available
V4.0-1-05 later	EXOline, BACnet and Modbus are available
NaviPad 1.1.0.184 later	With Ethernet menu, static IP setting

Release column in register tables further down in this document tells from which software release variables was introduced or changed.

Signal types

All signals accessible from a SCADA system are described further in this document.

EXOL type

The EXOL type of the signals:

R = Real (-3.3E38 - 3.3E38)

I = Integer (-32768 - 32767)

X = Index (0 - 255)

L = Logic (0/1)

Modbus type

The Modbus type of the signals:

0x = Coil Status Register (1bit)

1x = Input Status Register (1bit)

4x = Holding Register (signed, 16bit or 32bit word)

3x = Input Register (signed, 16bit word or 32bit float)



Supported Modbus functions:

- 1 = Read Coils
- 2 = Read Discrete Input
- 3 = Read Holding Register
- 4 = Read Input Register
- 5 = Write Single Coil
- 6 = Write Single Register
- 15 = Write Multiple Coils
- 16 = Write Multiple Registers

BACnet type

The BACnet type of signals:

- 10XXX = Read and write binary
- 20XXX = Read binary
- 30XXX = Read and write analogue
- 40XXX = Read analogue
- 30XXX = Read and write multistate
- 40XXX = Read multistate

(Where XXX = Modbus address)

NOTE: In the variable lists contained in this manual, the following abbreviations are used:

- AV** = Analogue Value
- BV** = Binary Value
- MSV** = Multistate Value

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Chapter 2 System integration

Modbus

Addresses

All addresses starts with 0, and due to that some Master devices starts address with 1 (equal to register) it's in that case necessary to add all addresses in this document with +1.

Communication limitations

The Modbus master must wait for a minimum of 3.5 character times (4 ms at 9600 bps) between two messages.

Baudrate

9600, 14 400, 19 200, 28 800, 38 400, 57 600, 76 800, 115 200 bps

Scale factor Modbus

Real signals could have scale factor according to Scale factor column in tables. In general 10 is used except for time setting signals which have scale factor 100, and air flow signals which have scale factor 1. Example, with a scale factor 10 of an temperature Integer value could then be interpreted as a value with one decimal. Integer, Index and Logic always have scale factor 1.

Unit

Real signal values could have an engineering unit according to Unit-column in tables, where T, Q and P represent temperature-, flow- and pressure unit according selected preference setting in the controller.

Modbus wiring, etc.

A protocol like Modbus consists of several layers (OSI-model). The bottom layer is always the physical layer; the number of wires and signal levels. The next layer describes the communication digits (number of data bits, stop-bits, parity etc). Next are the layers describing the Modbus-specific functions (number of digits per message, the meaning of different messages, etc.).

For Modbus, the bottom layer can be RS485, RS422, RS232 or Modbus TCP.

Max. 47 registers

A maximum of 47 registers can be read in one message.

Transmission mode

Access uses the RTU transmission mode for the communication ports. The transmission mode must be the same in the master unit and the slave units, since Modbus/RTU cannot understand Modbus/ASCII messages. The configuration parameter Word length is always 8 for Modbus/RTU.



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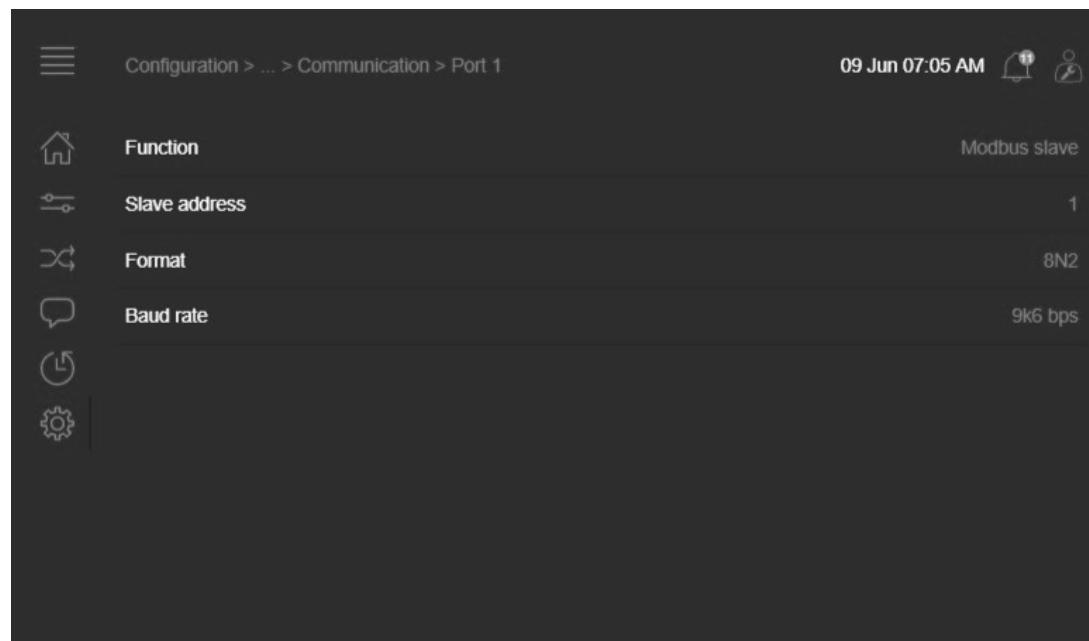
When using Modbus TCP the controller Ethernet port in combination with TCP port setting 502 should be used.

Writing values

To override the output values, set the output to manual mode using a Modbus signal. Then set the corresponding ..._ManSet signal to the wanted level. These signals are listed in Chapter 5: Holding Registers. Remember that only values with a default value are adjustable, you will find these in the chapters Coil Status Register and Holding Register.

Configuration

Modbus TCP/IP enabled as default. Modbus RTU is enabled via configuration of the communication ports.



The communication parameters for the Modbus line is the most important thing to configure first. These parameters must be identical in both the master unit and slave units, since they define the structure of messages and the transmission speed.

The default configuration values of a Access controller are

Slave address:	1
Word length:	8 bit
Parity:	none
Stop bits:	2 bits
Baud rate:	9600 bps

Slave address

A new Modbus slave address can be set for each air handling unit using the NaviPad.

NOTE To change the Modbus slave address when using Modbus TCP/IP a communication port must be temporarily configured as Modbus slave to access the slave address setting.



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BACnet

Access from software version 4.0-1-05 is capable of communication via the BACnet-ASC (Application Specific Controller) protocol and from 4.3-1-00 with BACnet AAC (Advanced Application Controller).

In order to connect a Access application to a BMS (Building Management System) via BACnet/IP use the TCP/IP port.

BACnet/IP configuration (Activation status of BACnet/IP protocol)

Upon delivery, the BACnet/IP protocol is disabled as a default. To enable BACnet communication, simply change the setting “No” to “Yes”.

The screenshot shows a configuration interface for a BACnet device. At the top, it says "Configuration > ... > Communication > BACnet". On the right, there is a timestamp "02 Jul 13:42" and some icons. Below this, there are several configuration items:

Setting	Value
BACnet/IP	Yes
BACnet device name	Systemair controller
BACnet device ID	10207
BACnet/IP UDP port number	47808
BBMD address	

BACnet device name

This is the devices name that is shown on the BMS when a device is discovered.

BACnet device ID

The ID of a device, used to identify it on the BACnet network. This number **cannot** be duplicated **anywhere** on the BACnet network and must therefore be unique.

BBMD address and BACnet/IP port number

The BBMD address (BACnet/IP Broadcast Management Device) is used for discovering devices that are attached to different BACnet/IP subnets and separated by an IP router. The address is entered as **host:port**, where “host” can be the host’s name if DNS is configured. If DNS is not configured, the host address should be entered in the format “xxx.xxx.xxx.xxx”, followed by the port number (default setting 47808).

Example: mybbmd:47808 (with DNS configured) or 10.100.50.99:47808

Note! When BBMD address is configured in Access, will make the Access controller to a BACnet/IP Foreign Device, which then means that the Access will not answer any UDP broadcast in the net other than from that particular BBMD. When assigning BBMD, some BBMD vendors mentions that not only the Device ID must be unique but also the Device Name within the BACnet network. For further information, please consult the specific BBMD vendors and/or BACnet routers literature.



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DHCP

The Dynamic Host Configuration Protocol (DHCP) is a network protocol used on Internet Protocol (IP) networks for dynamic distribution of network configuration parameters, such as IP addresses, DNS servers and other services. The Access controller can be configured to either obtain an IP address from a DHCP server (dynamic) or the address can be set manually (static).

If static IP address needed for the Access controller, simply enter the IP address you wish to use along with the subnet mask, gateway address and DNS server address via the controller webinterface from version 4.0-1-04 [Ethernet setting].

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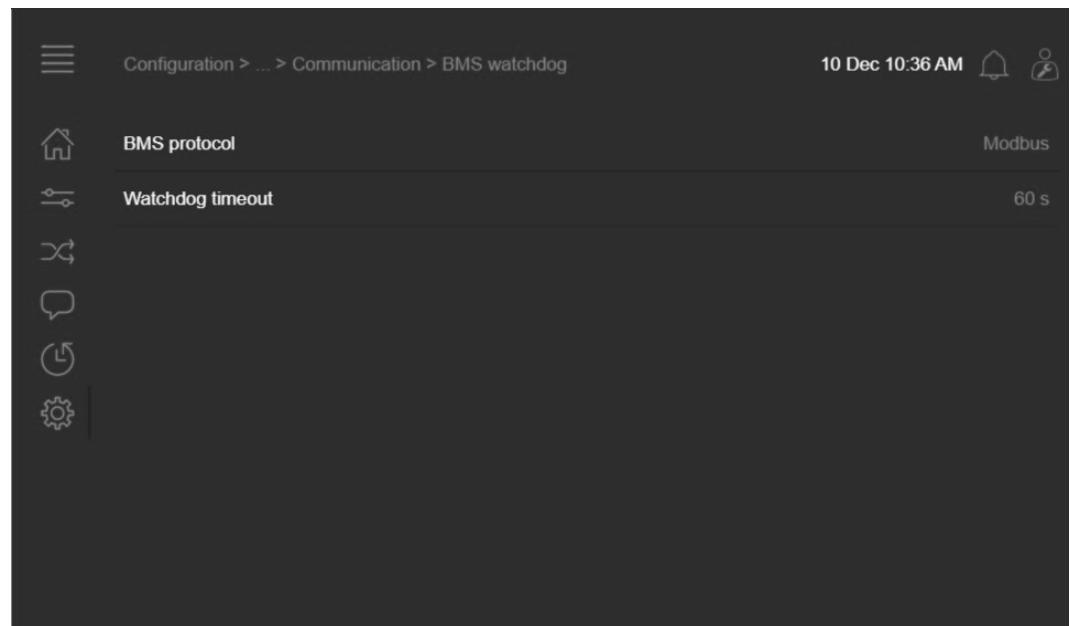


Watchdog

Access from software version 4.1-1-00 is capable of supervising communication received from a BMS master. One slave communication protocol can be monitored at a time. If no active communication from the BMS master is detected before the watchdog timeout elapses, an alarm message is generated.

BMS watchdog (Activation of protocol)

Upon delivery, the BMS watchdog is disabled as default. Activation and configuration of BMS watchdog is done via controller web menu Configuration / System settings / Communication / BMS watchdog



BMS protocol

To enable BMS watchdog, change the setting “None” to the protocol used for BMS communication. Supported BMS slave protocols are EXOline, Modbus and BACnet.

Watchdog timeout

Configure the watchdog timeout setting between 10 to 3600 seconds (1 hour), default 60 seconds. A byte counter of received bytes is supposed to change since the last cycle. If counter has not been changed during the watchdog timeout setting the communication is considered faulty and an alarm message is generated.

Communication fault BMS master

When a communication fault with BMS is detected, values from BMS should be considered invalid. The alarm is configured default as Class C with no action.





Ethernet setting

When NaviPad and Control unit are connected directly to each other via switch module without any DHCP server they assign themselves with Auto-IP (Link-local) addresses and then randomly pick from address range 169.254.x.y (255.255.0.0).

The possibility of using a static IP address as alternative to a dynamic IP address (DHCP) is available from Access software version 4.0-1-04 and NaviPad software version 1.1.0.184. The system of an air handling unit together with a NaviPad require two individual IP addresses, requested from Your department responsible for the IP plan of the network!

For manually setting a static IP address, please follow below steps.

1. From NaviPad log in to the AHU web page
2. Select Yes to enable settings AHU to static IP via AHU web interface
3. Edit AHU control unit IP address, subnet mask, gateway and DNS according your IP plan
4. Select Yes for Save IP settings
5. Press home button on NaviPad to log out from AHU web page
The NaviPad will then lose the connection to AHU since it's probably is assigned to a not valid IP address anymore
6. In NaviPad system select Advanced HMI setting and select Ethernet (default login password '1111')
7. Activate switch to enable Static IP setting
8. Edit NaviPad IP address, subnet mask and gateway according your IP plan
9. Use NaviPad to search for available devices and select AHU

NOTE When integrating and configure static IP addresses its very **IMPORTANT** to follow above steps. Both the control unit of air handling unit and the NaviPad itself need to be assigned to individual IP addresses.

NOTE The air handling unit and the NaviPad as well as any computer has to be connected on a local network within the same IP subnet.

NOTE If no gateway is available use either 0.0.0.0 or equal to the IP address set for the device.

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Access controller

The below picture illustrates the appearance of Ethernet settings for controller in controller web menu from Access software version 4.0-1-04:

The screenshot shows a dark-themed web interface for a controller. At the top, it says "Configuration > ... > Communication > Ethernet". On the right, it shows the date and time "05 Mar 11:44 AM" and a user icon with a notification count of "13". Below this, there is a table with the following data:

	Static	No
Running IP address	172.26.1.64	
Subnet mask	255.255.255.0	
Gateway	172.26.1.1	
DNS 1	194.132.114.84	
DNS 2	194.132.114.166	
Save IP settings		No

NaviPad

The below picture illustrates the appearance of Ethernet settings for the NaviPad from NaviPad software version 1.1.0.184:

The screenshot shows a dark-themed mobile application interface for a NaviPad. On the left, there is a sidebar with the following menu items:

- Home
- Language
- Time & Date Setting
- Advanced HMI Setting
- Available devices
- Change Password
- Ethernet** (highlighted)
- Restore Factory Settings
- Software Update
- Log Out

The main content area displays the text "LB01 Nordbygg Normal operation" above a diagram of a cabinet with four doors. In the top right corner, it shows the date and time "05 Nov 18:47" and a bell icon.

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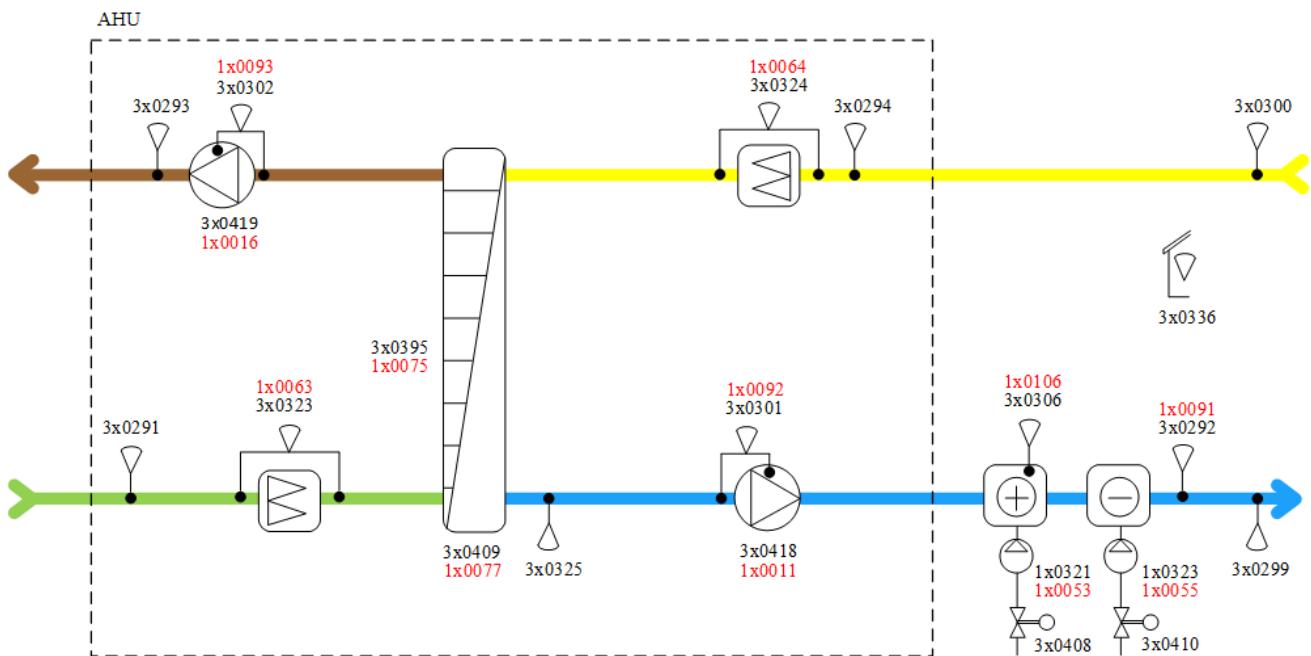
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Type example addresses

Example of useful register addresses in a flow chart for a AHU with rotary exchanger and a cooling unit.



Alarm points

1x0011	Malfunction supply air fan
1x0016	Malfunction extract air fan
1x0053	Malfunction pump sequence-A
1x0055	Malfunction pump sequence-C
1x0063	Filter alarm supply air
1x0064	Filter alarm extract air
1x0075	Low efficiency exchanger
1x0077	Rotary exchanger alarm
1x0091	Deviation alarm supply air temperature
1x0092	Deviation alarm supply air fan
1x0093	Deviation alarm extract air fan
1x0106	Freeze protection alarm

Status/values

1x0321	SE Q-A pump start
1x0323	SE Q-C pump start
3x0291	Actual value intake air temperature
3x0292	Actual value supply air temperature
3x0293	Actual value exhaust air temperature
3x0294	Actual value extract air temperature
3x0299	Actual value supply air pressure
3x0300	Actual value extract air pressure
3x0301	Actual value supply air flow
3x0302	Actual value extract air flow
3x0306	Actual value freeze protection temp
3x0323	Actual value supply air filter pressure
3x0324	Actual value extract air filter pressure
3x0325	Actual value efficiency temperature
3x0336	Calculated average room temperature
3x0395	Calculated temperature efficiency exchanger
3x0408	Control signal sequence-A
3x0409	Control signal sequence-B
3x0410	Control signal sequence-C
3x0418	Control signal supply air fan
3x0419	Control signal extract air fan

Commands/setpoints

4x0573	External control
0=	None
1=	Extended run low
2=	Extended run normal
3=	Extended run high
4=	External stop
5=	External stop with support control
6=	Free cooling start
7=	Recirculation
Temperature setpoint according control type:	
4x0588	Setpoint supply air temperature
4x0589	Setpoint extract air temperature
4x0765	Setpoint room temperature



Chapter 3 Coil Status Register (0x)

Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description
VentSettings.S_AlaAcknowAll	L	0000	RW	BV, 1000	Alarm setting	Command to acknowledge all alarms
VentSettings.S_FilterAlarmReset	L	0001	RW	BV, 1001	Alarm setting	Command to reset the alarm service interval counter



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Chapter 4 Input Register (3x)

Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_MalfunctionSAF1_Status	X	0000	R		1		Alarm Status	Malfunction supply air fan 1 <u>Modbus</u> 1=no alarm 2=alarm blocked 3=alarm acknowledged 5=alarm returned 7=alarm active	
AlaData.Ala_MalfunctionSAF2_Status	X	0001	R		1		Alarm Status	Malfunction supply air fan 2	
AlaData.Ala_MalfunctionSAF3_Status	X	0002	R		1		Alarm Status	Malfunction supply air fan 3	
AlaData.Ala_MalfunctionSAF4_Status	X	0003	R		1		Alarm Status	Malfunction supply air fan 4	
AlaData.Ala_MalfunctionSAF5_Status	X	0004	R		1		Alarm Status	Malfunction supply air fan 5	
AlaData.Ala_MalfunctionEAF1_Status	X	0005	R		1		Alarm Status	Malfunction extract air fan 1	
AlaData.Ala_MalfunctionEAF2_Status	X	0006	R		1		Alarm Status	Malfunction extract air fan 2	
AlaData.Ala_MalfunctionEAF3_Status	X	0007	R		1		Alarm Status	Malfunction extract air fan 3	
AlaData.Ala_MalfunctionEAF4_Status	X	0008	R		1		Alarm Status	Malfunction extract air fan 4	
AlaData.Ala_MalfunctionEAF5_Status	X	0009	R		1		Alarm Status	Malfunction extract air fan 5	
AlaData.Ala_AlarmSAF1_Status	X	0010	R		1		Alarm Status	Alarm supply air fan 1	
AlaData.Ala_AlarmSAF2_Status	X	0011	R		1		Alarm Status	Alarm supply air fan 2	
AlaData.Ala_AlarmSAF3_Status	X	0012	R		1		Alarm Status	Alarm supply air fan 3	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_AlarmSAF4_Status	X	0013	R		1		Alarm Status	Alarm supply air fan 4	
AlaData.Ala_AlarmSAF5_Status	X	0014	R		1		Alarm Status	Alarm supply air fan 5	
AlaData.Ala_AlarmEAF1_Status	X	0015	R		1		Alarm Status	Alarm extract air fan 1	
AlaData.Ala_AlarmEAF2_Status	X	0016	R		1		Alarm Status	Alarm extract air fan 2	
AlaData.Ala_AlarmEAF3_Status	X	0017	R		1		Alarm Status	Alarm extract air fan 3	
AlaData.Ala_AlarmEAF4_Status	X	0018	R		1		Alarm Status	Alarm extract air fan 4	
AlaData.Ala_AlarmEAF5_Status	X	0019	R		1		Alarm Status	Alarm extract air fan 5	
AlaData.Ala_WarningSAF1_Status	X	0020	R		1		Alarm Status	Warning supply air fan 1	
AlaData.Ala_WarningSAF2_Status	X	0021	R		1		Alarm Status	Warning supply air fan 2	
AlaData.Ala_WarningSAF3_Status	X	0022	R		1		Alarm Status	Warning supply air fan 3	
AlaData.Ala_WarningSAF4_Status	X	0023	R		1		Alarm Status	Warning supply air fan 4	
AlaData.Ala_WarningSAF5_Status	X	0024	R		1		Alarm Status	Warning supply air fan 5	
AlaData.Ala_WarningEAF1_Status	X	0025	R		1		Alarm Status	Warning extract air fan 1	
AlaData.Ala_WarningEAF2_Status	X	0026	R		1		Alarm Status	Warning extract air fan 2	
AlaData.Ala_WarningEAF3_Status	X	0027	R		1		Alarm Status	Warning extract air fan 3	
AlaData.Ala_WarningEAF4_Status	X	0028	R		1		Alarm Status	Warning extract air fan 4	
AlaData.Ala_WarningEAF5_Status	X	0029	R		1		Alarm Status	Warning extract air fan 5	
AlaData.Ala_ExternalRunSAF_Status	X	0030	R		1		Alarm Status	External operation supply air fan	
AlaData.Ala_ExternalRunEAF_Status	X	0031	R		1		Alarm Status	External operation extract air fan	
AlaData.Ala_ExternalRunMotor1_Status	X	0032	R		1		Alarm Status	Extra fan motor 1 running	
AlaData.Ala_ExternalRunMotor2_Status	X	0033	R		1		Alarm Status	Extra fan motor 2 running	
AlaData.Ala_MalfunctionPumpHeater_Status	X	0034	R		1		Alarm Status	Malfunction pump heater	



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AlaData.Ala_MalfunctionPumpCooler_Status	X	0035	R		1		Alarm Status	Malfunction pump cooler	
AlaData.Ala_MalfunctionPumpExchanger_Status	X	0036	R		1		Alarm Status	Malfunction pump exchanger	
AlaData.Ala_MalfunctionFireDamper_Status	X	0037	R		1		Alarm Status	Malfunction fire damper	
AlaData.Ala_MalfunctionDamper_Status	X	0038	R		1		Alarm Status	Malfunction damper	
AlaData.Ala_MalfunctionMotor1_Status	X	0039	R		1		Alarm Status	Malfunction extra fan motor 1	
AlaData.Ala_MalfunctionMotor2_Status	X	0040	R		1		Alarm Status	Malfunction extra fan motor 2	
AlaData.Ala_FireDamperExerciseStop_Status	X	0041	R		1		Alarm Status	Malfunction fire damper exercise	
AlaData.Ala_MalfunctionPumpSequence1_Status	X	0042	R		1		Alarm Status	Malfunction pump sequence-A	
AlaData.Ala_MalfunctionPumpSequence2_Status	X	0043	R		1		Alarm Status	Malfunction pump sequence-B	
AlaData.Ala_MalfunctionPumpSequence3_Status	X	0044	R		1		Alarm Status	Malfunction pump sequence-C	
AlaData.Ala_MalfunctionPumpSequence4_Status	X	0045	R		1		Alarm Status	Malfunction pump sequence-D	
AlaData.Ala_MalfunctionPumpSequence5_Status	X	0046	R		1		Alarm Status	Malfunction pump sequence-E	
AlaData.Ala_MalfunctionPumpSequence6_Status	X	0047	R		1		Alarm Status	Malfunction pump sequence-F	
AlaData.Ala_MalfunctionPumpSequence7_Status	X	0048	R		1		Alarm Status	Malfunction pump sequence-G	
AlaData.Ala_MalfunctionPumpSequence8_Status	X	0049	R		1		Alarm Status	Malfunction pump sequence-H	
AlaData.Ala_MalfunctionPumpSequence9_Status	X	0050	R		1		Alarm Status	Malfunction pump sequence-I	
AlaData.Ala_MalfunctionPumpSequence10_Status	X	0051	R		1		Alarm Status	Malfunction pump sequence-J	
AlaData.Ala_FilterGuard1_Status	X	0052	R		1		Alarm Status	Filter alarm supply air	
AlaData.Ala_FilterGuard2_Status	X	0053	R		1		Alarm Status	Filter alarm extract air	
AlaData.Ala_FlowGuard_Status	X	0054	R		1		Alarm Status	Alarm low air flow	
AlaData.Ala_ExternalFrostGuard_Status	X	0055	R		1		Alarm Status	Freeze protection guard	
AlaData.Ala_DeicingGuard_Status	X	0056	R		1		Alarm Status	Defrosting guard exchanger	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_FireAlarm_Status	X	0057	R		1		Alarm Status	Fire alarm	
AlaData.Ala_SmokeAlarm_Status	X	0058	R		1		Alarm Status	Smoke alarm	
AlaData.Ala_ExternalSwitch_Status	X	0059	R		1		Alarm Status	External stop	
AlaData.Ala_ExternalAlarm_Status	X	0060	R		1		Alarm Status	External alarm	
AlaData.Ala_ServiceStop_Status	X	0061	R		1		Alarm Status	Service stop	
AlaData.Ala_ElectricOverheat_Status	X	0062	R		1		Alarm Status	Electric heater is overheated	
AlaData.Ala_FrostRisk_Status	X	0063	R		1		Alarm Status	Warning freeze protection	
AlaData.Ala_LowEfficiency_Status	X	0064	R		1		Alarm Status	Low efficiency exchanger	
AlaData.Ala_AnalogueDeicing_Status	X	0065	R		1		Alarm Status	Defrosting alarm	
AlaData.Ala_RotationguardExchanger_Status	X	0066	R		1		Alarm Status	Rotary exchanger alarm	
AlaData.Ala_ExtraAlarm1_Status	X	0067	R		1		Alarm Status	Extra alarm 1	
AlaData.Ala_ExtraAlarm2_Status	X	0068	R		1		Alarm Status	Extra alarm 2	
AlaData.Ala_ExtraAlarm3_Status	X	0069	R		1		Alarm Status	Extra alarm 3	
AlaData.Ala_ExtraAlarm4_Status	X	0070	R		1		Alarm Status	Extra alarm 4	
AlaData.Ala_ExtraAlarm5_Status	X	0071	R		1		Alarm Status	Extra alarm 5	
AlaData.Ala_ExtraAlarm6_Status	X	0072	R		1		Alarm Status	Extra alarm 6	
AlaData.Ala_ExtraAlarm7_Status	X	0073	R		1		Alarm Status	Extra alarm 7	
AlaData.Ala_ExtraAlarm8_Status	X	0074	R		1		Alarm Status	Extra alarm 8	
AlaData.Ala_ExtraAlarm9_Status	X	0075	R		1		Alarm Status	Extra alarm 9	
AlaData.Ala_ExtraAlarm10_Status	X	0076	R		1		Alarm Status	Extra alarm 10	
AlaData.Ala_BatteryFail_Status	X	0077	R		1		Alarm Status	Internal battery error	
AlaData.Ala_Service_Status	X	0078	R		1		Alarm Status	Alarm service interval	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_RestartBlocked_Status	X	0079	R		1		Alarm Status	Restart blocked after power on	
AlaData.Ala_ControlErrorSupplyTemp_Status	X	0080	R		1		Alarm Status	Deviation alarm supply air temperature	
AlaData.Ala_ControlErrorSAF_Status	X	0081	R		1		Alarm Status	Deviation alarm supply air fan	
AlaData.Ala_ControlErrorEAF_Status	X	0082	R		1		Alarm Status	Deviation alarm extract air fan	
AlaData.Ala_ControlErrorHumidity_Status	X	0083	R		1		Alarm Status	Deviation alarm humidity control	
AlaData.Ala_ControlErrorExtraController_Status	X	0084	R		1		Alarm Status	Deviation alarm extra controller	
AlaData.Ala_HighTempSupply_Status	X	0085	R		1		Alarm Status	High supply air temperature	
AlaData.Ala_LowTempSupply_Status	X	0086	R		1		Alarm Status	Low supply air temperature	
AlaData.Ala_MaxLimitTempSupply_Status	X	0087	R		1		Alarm Status	Supply air temperature max limit	
AlaData.Ala_MinLimitTempSupply_Status	X	0088	R		1		Alarm Status	Supply air temperature min limit	
AlaData.Ala_HighTempRoom_Status	X	0089	R		1		Alarm Status	High room temperature	
AlaData.Ala_LowTempRoom_Status	X	0090	R		1		Alarm Status	Low room temperature	
AlaData.Ala_HighTempExtract_Status	X	0091	R		1		Alarm Status	High extract air temperature	
AlaData.Ala_LowTempExtract_Status	X	0092	R		1		Alarm Status	Low extract air temperature	
AlaData.Ala_HighTempOutdoor_Status	X	0093	R		1		Alarm Status	High outdoor air temperature	
AlaData.Ala_LowTempOutdoor_Status	X	0094	R		1		Alarm Status	Low outdoor air temperature	
AlaData.Ala_LowTempFrostGuard1_Status	X	0095	R		1		Alarm Status	Freeze protection alarm 1	
AlaData.Ala_LowTempFrostGuard2_Status	X	0096	R		1		Alarm Status	Freeze protection alarm 2	
AlaData.Ala_LowTempFrostGuard3_Status	X	0097	R		1		Alarm Status	Freeze protection alarm 3	
AlaData.Ala_HighTempExtraSensor1_Status	X	0098	R		1		Alarm Status	High temperature extra sensor 1	
AlaData.Ala_LowTempExtraSensor1_Status	X	0099	R		1		Alarm Status	Low temperature extra sensor 1	
AlaData.Ala_HighTempExtraSensor2_Status	X	0100	R		1		Alarm Status	High temperature extra sensor 2	



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AlaData.Ala_LowTempExtraSensor2_Status	X	0101	R		1		Alarm Status	Low temperature extra sensor 2	
AlaData.Ala_HighTempExtraSensor3_Status	X	0102	R		1		Alarm Status	High temperature extra sensor 3	
AlaData.Ala_LowTempExtraSensor3_Status	X	0103	R		1		Alarm Status	Low temperature extra sensor 3	
AlaData.Ala_HighTempExtraSensor4_Status	X	0104	R		1		Alarm Status	High temperature extra sensor 4	
AlaData.Ala_LowTempExtraSensor4_Status	X	0105	R		1		Alarm Status	Low temperature extra sensor 4	
AlaData.Ala_HighTempExtraSensor5_Status	X	0106	R		1		Alarm Status	High temperature extra sensor 5	
AlaData.Ala_LowTempExtraSensor5_Status	X	0107	R		1		Alarm Status	Low temperature extra sensor 5	
AlaData.Ala_HighTempSelectedSensor1_Status	X	0108	R		1		Alarm Status	High temperature selected sensor 1	
AlaData.Ala_LowTempSelectedSensor1_Status	X	0109	R		1		Alarm Status	Low temperature selected sensor 1	
AlaData.Ala_HighTempSelectedSensor2_Status	X	0110	R		1		Alarm Status	High temperature selected sensor 2	
AlaData.Ala_LowTempSelectedSensor2_Status	X	0111	R		1		Alarm Status	Low temperature selected sensor 2	
AlaData.Ala_ManualControlUnit_Status	X	0112	R		1		Alarm Status	Manual operation air handling unit	
AlaData.Ala_ManualControlSupply_Status	X	0113	R		1		Alarm Status	Manual operation supply air	
AlaData.Ala_ManualControlSAF_Status	X	0114	R		1		Alarm Status	Manual operation supply air fan	
AlaData.Ala_ManualControlEAF_Status	X	0115	R		1		Alarm Status	Manual operation extract air fan	
AlaData.Ala_ManualControlHeater_Status	X	0116	R		1		Alarm Status	Manual operation heater	
AlaData.Ala_ManualControlExchanger_Status	X	0117	R		1		Alarm Status	Manual operation exchanger	
AlaData.Ala_ManualControlCooler_Status	X	0118	R		1		Alarm Status	Manual operation cooler	
AlaData.Ala_ManualControlDamper_Status	X	0119	R		1		Alarm Status	Manual operation damper	
AlaData.Ala_ManualControlPumpHeater_Status	X	0120	R		1		Alarm Status	Manual operation pump heater	
AlaData.Ala_ManualControlPumpExchanger_Status	X	0121	R		1		Alarm Status	Manual operation pump exchanger	
AlaData.Ala_ManualControlPumpCooler_Status	X	0122	R		1		Alarm Status	Manual operation pump cooler	



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AlaData.Ala_ManualControlDamperRecirculation_Status	X	0123	R		1		Alarm Status	Manual operation damper recirculation	
AlaData.Ala_ManualControlDamperOutdoor_Status	X	0124	R		1		Alarm Status	Manual operation damper outdoor air	
AlaData.Ala_ManualControlDamperExhaust_Status	X	0125	R		1		Alarm Status	Manual operation damper exhaust air	
AlaData.Ala_ManualControlDamperFire_Status	X	0126	R		1		Alarm Status	Manual operation fire damper	
AlaData.Ala_ManualControlSequence1_Status	X	0127	R		1		Alarm Status	Manual control sequence-A	
AlaData.Ala_ManualControlSequence2_Status	X	0128	R		1		Alarm Status	Manual control sequence-B	
AlaData.Ala_ManualControlSequence3_Status	X	0129	R		1		Alarm Status	Manual control sequence-C	
AlaData.Ala_ManualControlSequence4_Status	X	0130	R		1		Alarm Status	Manual control sequence-D	
AlaData.Ala_ManualControlSequence5_Status	X	0131	R		1		Alarm Status	Manual control sequence-E	
AlaData.Ala_ManualControlSequence6_Status	X	0132	R		1		Alarm Status	Manual control sequence-F	
AlaData.Ala_ManualControlSequence7_Status	X	0133	R		1		Alarm Status	Manual control sequence-G	
AlaData.Ala_ManualControlSequence8_Status	X	0134	R		1		Alarm Status	Manual control sequence-H	
AlaData.Ala_ManualControlSequence9_Status	X	0135	R		1		Alarm Status	Manual control sequence-I	
AlaData.Ala_ManualControlSequence10_Status	X	0136	R		1		Alarm Status	Manual control sequence-J	
AlaData.Ala_ManualControlOutput_Status	X	0137	R		1		Alarm Status	Output in manual operation	
AlaData.Ala_ManualControlInput_Status	X	0138	R		1		Alarm Status	Input in manual operation	
AlaData.Ala_ManualControlExtraController_Status	X	0139	R		1		Alarm Status	Manual operation extra controller	
AlaData.Ala_ManualControlMotor1_Status	X	0140	R		1		Alarm Status	Manual operation external fan motor 1	
AlaData.Ala_ManualControlMotor2_Status	X	0141	R		1		Alarm Status	Manual operation external fan motor 2	
AlaData.Ala_ManualControlPretreatment_Status	X	0142	R		1		Alarm Status	Manual operation pretreatment	
AlaData.Ala_SensorErrorTempOutdoor_Status	X	0143	R		1		Alarm Status	Sensor error outdoor air temperature	
AlaData.Ala_SensorErrorTempIntake_Status	X	0144	R		1		Alarm Status	Sensor error intake air temperature	



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AlaData.Ala_SensorErrorTempSupply_Status	X	0145	R		1		Alarm Status	Sensor error supply air temperature	
AlaData.Ala_SensorErrorTempExhaust_Status	X	0146	R		1		Alarm Status	Sensor error exhaust air temperature	
AlaData.Ala_SensorErrorTempExtract_Status	X	0147	R		1		Alarm Status	Sensor error extract air temperature	
AlaData.Ala_SensorErrorTempRoom1_Status	X	0148	R		1		Alarm Status	Sensor error room temperature 1	
AlaData.Ala_SensorErrorTempRoom2_Status	X	0149	R		1		Alarm Status	Sensor error room temperature 2	
AlaData.Ala_SensorErrorTempRoom3_Status	X	0150	R		1		Alarm Status	Sensor error room temperature 3	
AlaData.Ala_SensorErrorTempRoom4_Status	X	0151	R		1		Alarm Status	Sensor error room temperature 4	
AlaData.Ala_SensorErrorPressureSAF_Status	X	0152	R		1		Alarm Status	Sensor error pressure supply air	
AlaData.Ala_SensorErrorPressureEAF_Status	X	0153	R		1		Alarm Status	Sensor error pressure extract air	
AlaData.Ala_SensorErrorFlowSAF_Status	X	0154	R		1		Alarm Status	Sensor error flow supply air	
AlaData.Ala_SensorErrorFlowEAF_Status	X	0155	R		1		Alarm Status	Sensor error flow extract air	
AlaData.Ala_SensorPressureExchangerSAF_Status	X	0156	R		1		Alarm Status	Sensor error flow exchanger supply air	
AlaData.Ala_SensorPressureExchangerEAF_Status	X	0157	R		1		Alarm Status	Sensor error pressure exchanger extract air	
AlaData.Ala_SensorErrorTempDeicing_Status	X	0158	R		1		Alarm Status	Sensor error defrosting temperature	
AlaData.Ala_SensorErrorTempFrost1_Status	X	0159	R		1		Alarm Status	Sensor error freeze protection temperature 1	
AlaData.Ala_SensorErrorTempFrost2_Status	X	0160	R		1		Alarm Status	Sensor error freeze protection temperature 2	
AlaData.Ala_SensorErrorTempFrost3_Status	X	0161	R		1		Alarm Status	Sensor error freeze protection temperature 3	
AlaData.Ala_SensorErrorCO2_Status	X	0162	R		1		Alarm Status	Sensor error CO2 room/extract air	
AlaData.Ala_SensorErrorHumidityRoom_Status	X	0163	R		1		Alarm Status	Sensor error humidity room/extract air	
AlaData.Ala_SensorErrorHumidityDuct_Status	X	0164	R		1		Alarm Status	Sensor error humidity supply air	
AlaData.Ala_SensorErrorTempExtraController_Status	X	0165	R		1		Alarm Status	Sensor error extra controller	
AlaData.Ala_SensorErrorExtCtrlSAF_Status	X	0166	R		1		Alarm Status	Signal error external control supply air fan	



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AlaData.Ala_SensorErrorExtCtrlEAF_Status	X	0167	R		1		Alarm Status	Signal error external control extract air fan	
AlaData.Ala_SensorErrorHumidityOutdoor_Status	X	0168	R		1		Alarm Status	Sensor error humidity outdoor	
AlaData.Ala_SensorErrorTempExtraSensor1_Status	X	0169	R		1		Alarm Status	Sensor error extra sensor 1	
AlaData.Ala_SensorErrorTempExtraSensor2_Status	X	0170	R		1		Alarm Status	Sensor error extra sensor 2	
AlaData.Ala_SensorErrorTempExtraSensor3_Status	X	0171	R		1		Alarm Status	Sensor error extra sensor 3	
AlaData.Ala_SensorErrorTempExtraSensor4_Status	X	0172	R		1		Alarm Status	Sensor error extra sensor 4	
AlaData.Ala_SensorErrorTempExtraSensor5_Status	X	0173	R		1		Alarm Status	Sensor error extra sensor 5	
AlaData.Ala_SensorErrorExtSupplySetp_Status	X	0174	R		1		Alarm Status	Sensor error external temperature setpoint	
AlaData.Ala_SensorErrorExtFlowSetpoint_Status	X	0175	R		1		Alarm Status	Signal error external flow setpoint	
AlaData.Ala_SensorErrorFilterGuard1_Status	X	0176	R		1		Alarm Status	Sensor error pressure filter supply air	
AlaData.Ala_SensorErrorFilterGuard2_Status	X	0177	R		1		Alarm Status	Sensor error pressure filter extract air	
AlaData.Ala_SensorErrorTempEfficiency_Status	X	0178	R		1		Alarm Status	Sensor error efficiency temp	
AlaData.Ala_CommErrorDevice_Status	X	0179	R		1		Alarm Status	Fault communication device	
AlaData.Ala_MalfunctionExtraController_Status	X	0180	R		1		Alarm Status	Malfunction Extra Controller	
AlaData.Ala_InternalError_Status	X	0181	R		1		Alarm Status	Internal error	
AlaData.Ala_SmokeDetectorService_Status	X	0182	R		1		Alarm Status	Smoke detector service	
AlaData.Ala_SmokeDetectorError_Status	X	0183	R		1		Alarm Status	Smoke detector connection error	
AlaData.Ala_MalfunctionPreheater_Status	X	0184	R		1		Alarm Status	Malfunction preheater	4.1-1-01
AlaData.Ala_CommunicationFaultBMS_Status	X	0185	R		1		Alarm Status	Communication fault BMS master	4.1-1-01
AlaData.Ala_LeakageHeaterValve_Status	X	0186	R		1		Alarm Status	Leakage heater valve	4.1-1-01
AlaData.Ala_SensorErrorTempPreheat_Status	X	0187	R		1		Alarm Status	Sensor error preheater temp	4.1-1-01
AlaData.Ala_MalfunctionSAF6_Status	X	0188	R		1		Alarm Status	Malfunction supply air fan 6	4.3-1-00



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AlaData.Ala_MalfunctionSAF7_Status	X	0189	R		1		Alarm Status	Malfunction supply air fan 7	4.3-1-00
AlaData.Ala_MalfunctionSAF8_Status	X	0190	R		1		Alarm Status	Malfunction supply air fan 8	4.3-1-00
AlaData.Ala_MalfunctionEAF6_Status	X	0191	R		1		Alarm Status	Malfunction extract air fan 6	4.3-1-00
AlaData.Ala_MalfunctionEAF7_Status	X	0192	R		1		Alarm Status	Malfunction extract air fan 7	4.3-1-00
AlaData.Ala_MalfunctionEAF8_Status	X	0193	R		1		Alarm Status	Malfunction extract air fan 8	4.3-1-00
AlaData.Ala_AlarmSAF6_Status	X	0194	R		1		Alarm Status	Alarm supply air fan 6	4.3-1-00
AlaData.Ala_AlarmSAF7_Status	X	0195	R		1		Alarm Status	Alarm supply air fan 7	4.3-1-00
AlaData.Ala_AlarmSAF8_Status	X	0196	R		1		Alarm Status	Alarm supply air fan 8	4.3-1-00
AlaData.Ala_AlarmEAF6_Status	X	0197	R		1		Alarm Status	Alarm extract air fan 6	4.3-1-00
AlaData.Ala_AlarmEAF7_Status	X	0198	R		1		Alarm Status	Alarm extract air fan 7	4.3-1-00
AlaData.Ala_AlarmEAF8_Status	X	0199	R		1		Alarm Status	Alarm extract air fan 8	4.3-1-00
AlaData.Ala_WarningSAF6_Status	X	0200	R		1		Alarm Status	Warning supply air fan 6	4.3-1-00
AlaData.Ala_WarningSAF7_Status	X	0201	R		1		Alarm Status	Warning supply air fan 7	4.3-1-00
AlaData.Ala_WarningSAF8_Status	X	0202	R		1		Alarm Status	Warning supply air fan 8	4.3-1-00
AlaData.Ala_WarningEAF6_Status	X	0203	R		1		Alarm Status	Warning extract air fan 6	4.3-1-00
AlaData.Ala_WarningEAF7_Status	X	0204	R		1		Alarm Status	Warning extract air fan 7	4.3-1-00
AlaData.Ala_WarningEAF8_Status	X	0205	R		1		Alarm Status	Warning extract air fan 8	4.3-1-00
AlaData.Ala_MalfunctionHeatingZone1_Status	X	0206	R		1		Alarm Status	Malfunction heating zone 1	4.3-1-00
AlaData.Ala_MalfunctionHeatingZone2_Status	X	0207	R		1		Alarm Status	Malfunction heating zone 2	4.3-1-00
AlaData.Ala_MalfunctionHeatingZone3_Status	X	0208	R		1		Alarm Status	Malfunction heating zone 3	4.3-1-00
AlaData.Ala_MalfunctionCoolingZone1_Status	X	0209	R		1		Alarm Status	Malfunction cooling zone 1	4.3-1-00
AlaData.Ala_MalfunctionCoolingZone2_Status	X	0210	R		1		Alarm Status	Malfunction cooling zone 2	4.3-1-00



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AlaData.Ala_MalfunctionCoolingZone3_Status	X	0211	R		1		Alarm Status	Malfunction cooling zone 3	4.3-1-00
AlaData.Ala_ControlErrorSupplyTempZone1_Status	X	0212	R		1		Alarm Status	Deviation alarm supply air temperature zone 1	4.3-1-00
AlaData.Ala_ControlErrorSupplyTempZone2_Status	X	0213	R		1		Alarm Status	Deviation alarm supply air temperature zone 2	4.3-1-00
AlaData.Ala_ControlErrorSupplyTempZone3_Status	X	0214	R		1		Alarm Status	Deviation alarm supply air temperature zone 3	4.3-1-00
AlaData.Ala_LowTempFrostGuardZone1_Status	X	0215	R		1		Alarm Status	Freeze protection alarm zone 1	4.3-1-00
AlaData.Ala_LowTempFrostGuardZone2_Status	X	0216	R		1		Alarm Status	Freeze protection alarm zone 2	4.3-1-00
AlaData.Ala_LowTempFrostGuardZone3_Status	X	0217	R		1		Alarm Status	Freeze protection alarm zone 3	4.3-1-00
AlaData.Ala_ElectricOverheatZone1_Status	X	0218	R		1		Alarm Status	Electric heater is overheated zone 1	4.3-1-00
AlaData.Ala_ElectricOverheatZone2_Status	X	0219	R		1		Alarm Status	Electric heater is overheated zone 2	4.3-1-00
AlaData.Ala_ElectricOverheatZone3_Status	X	0220	R		1		Alarm Status	Electric heater is overheated zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempSupplyZone1_Status	X	0221	R		1		Alarm Status	Sensor error supply air temperature zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempSupplyZone2_Status	X	0222	R		1		Alarm Status	Sensor error supply air temperature zone 2	4.3-1-00
AlaData.Ala_SensorErrorTempSupplyZone3_Status	X	0223	R		1		Alarm Status	Sensor error supply air temperature zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempRoomZone1_Status	X	0224	R		1		Alarm Status	Sensor error room temperature zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempRoomZone2_Status	X	0225	R		1		Alarm Status	Sensor error room temperature zone 2	4.3-1-00
AlaData.Ala_SensorErrorTempRoomZone3_Status	X	0226	R		1		Alarm Status	Sensor error room temperature zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempExtractZone1_Status	X	0227	R		1		Alarm Status	Sensor error extract temperature zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempExtractZone2_Status	X	0228	R		1		Alarm Status	Sensor error extract temperature zone 2	4.3-1-00
AlaData.Ala_SensorErrorTempExtractZone3_Status	X	0229	R		1		Alarm Status	Sensor error extract temperature zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempFrostZone1_Status	X	0230	R		1		Alarm Status	Sensor error freeze protection temperature zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempFrostZone2_Status	X	0231	R		1		Alarm Status	Sensor error freeze protection temperature zone 2	4.3-1-00
AlaData.Ala_SensorErrorTempFrostZone3_Status	X	0232	R		1		Alarm Status	Sensor error freeze protection temperature zone 3	4.3-1-00



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AlaData.Ala_DeviceWarning_Status	X	0236	R		1		Alarm Status	Device warning	4.4-1-00
AlaData.Ala_DeviceAlarm_Status	X	0237	R		1		Alarm Status	Device alarm	4.4-1-00
VentActual.A_AnalogInput(1)	R	0250	R	AV, 40250	10		Analogue input	Actual value AI1	
VentActual.A_AnalogInput(2)	R	0251	R	AV, 40251	10		Analogue input	Actual value AI2	
VentActual.A_AnalogInput(3)	R	0252	R	AV, 40252	10		Analogue input	Actual value AI3	
VentActual.A_AnalogInput(4)	R	0253	R	AV, 40253	10		Analogue input	Actual value AI4	
VentActual.A_AnalogInput(5)	R	0254	R	AV, 40254	10		Analogue input	Actual value AI5 (CU283W-4: UI1)	
VentActual.A_AnalogInput(6)	R	0255	R	AV, 40255	10		Analogue input	Actual value AI6 (CU283W-4: UI2)	
VentActual.A_AnalogInput(7)	R	0256	R	AV, 40256	10		Analogue input	Actual value AI7 (CU283W-4: UI3)	
VentActual.A_AnalogInput(8)	R	0257	R	AV, 40257	10		Analogue input	Actual value AI8 (CU283W-4: UI4)	
VentActual.A_AnalogInputExp1(1)	R	0258	R	AV, 40258	10		Analogue input	Actual value exp.unit 1 AI1	
VentActual.A_AnalogInputExp1(2)	R	0259	R	AV, 40259	10		Analogue input	Actual value exp.unit 1 AI2	
VentActual.A_AnalogInputExp1(3)	R	0260	R	AV, 40260	10		Analogue input	Actual value exp.unit 1 AI3	
VentActual.A_AnalogInputExp1(4)	R	0261	R	AV, 40261	10		Analogue input	Actual value exp.unit 1 AI4	
VentActual.A_AnalogInputExp1(5)	R	0262	R	AV, 40262	10		Universal input	Actual value exp.unit 1 analog UI1	
VentActual.A_AnalogInputExp1(6)	R	0263	R	AV, 40263	10		Universal input	Actual value exp.unit 1 analog UI2	



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VentActual.A_AnalogInputExp1(7)	R	0264	R	AV, 40264	10		Universal input	Actual value exp.unit 1 analog UI3	
VentActual.A_AnalogInputExp1(8)	R	0265	R	AV, 40265	10		Universal input	Actual value exp.unit 1 analog UI4	
VentActual.A_AnalogInputExp2(1)	R	0266	R	AV, 40266	10		Analogue input	Actual value exp.unit 2 AI1	
VentActual.A_AnalogInputExp2(2)	R	0267	R	AV, 40267	10		Analogue input	Actual value exp.unit 2 AI2	
VentActual.A_AnalogInputExp2(3)	R	0268	R	AV, 40268	10		Analogue input	Actual value exp.unit 2 AI3	
VentActual.A_AnalogInputExp2(4)	R	0269	R	AV, 40269	10		Analogue input	Actual value exp.unit 2 AI4	
VentActual.A_AnalogInputExp2(5)	R	0270	R	AV, 40270	10		Universal input	Actual value exp.unit 2 analog UI1	
VentActual.A_AnalogInputExp2(6)	R	0271	R	AV, 40271	10		Universal input	Actual value exp.unit 2 analog UI2	
VentActual.A_AnalogInputExp2(7)	R	0272	R	AV, 40272	10		Universal input	Actual value exp.unit 2 analog UI3	
VentActual.A_AnalogInputExp2(8)	R	0273	R	AV, 40273	10		Universal input	Actual value exp.unit 2 analog UI4	
VentActual.A_AnalogInput(9)	R	0274	R	AV, 40274	10		Analogue input	Actual value AI9	4.4-1-00
VentActual.A_AnalogInput(10)	R	0275	R	AV, 40275	10		Analogue input	Actual value Smoke	4.4-1-00
VentActual.A_AnalogInput(11)	R	0276	R	AV, 40276	10		Universal input	Actual value analog UI1	4.4-1-00
VentActual.A_AnalogInput(12)	R	0277	R	AV, 40277	10		Universal input	Actual value analog UI2	4.4-1-00
VentActual.A_AnalogInput(13)	R	0278	R	AV, 40278	10		Universal input	Actual value analog UI3	4.4-1-00



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VentActual.A_AnalogInput(14)	R	0279	R	AV, 40279	10		Universal input	Actual value analog UI4	4.4-1-00
VentActual.A_AI_OutDoorTemp	R	0290	R	AV, 40290	10	T	AI function	Actual value outdoor temperature	
VentActual.A_AI_IntakeAirTemp	R	0291	R	AV, 40291	10	T	AI function	Actual value intake air temperature	
VentActual.A_AI_SupplyAirTemp	R	0292	R	AV, 40292	10	T	AI function	Actual value supply air temperature	
VentActual.A_AI_ExhaustAirTemp	R	0293	R	AV, 40293	10	T	AI function	Actual value exhaust air temperature	
VentActual.A_AI_ExtractAirTemp	R	0294	R	AV, 40294	10	T	AI function	Actual value extract air temperature	
VentActual.A_AI_RoomTemp1(0)	R	0295	R	AV, 40295	10		AI function	Actual value room temperature 1	
VentActual.A_AI_RoomTemp2	R	0296	R	AV, 40296	10		AI function	Actual value room temperature 2	
VentActual.A_AI_RoomTemp3	R	0297	R	AV, 40297	10		AI function	Actual value room temperature 3	
VentActual.A_AI_RoomTemp4	R	0298	R	AV, 40298	10		AI function	Actual value room temperature 4	
VentActual.A_AI_SAFPressure	R	0299	R	AV, 40299	10	P	AI function	Actual value supply air pressure	
VentActual.A_AI_EAFFPressure	R	0300	R	AV, 40300	10	P	AI function	Actual value extract air pressure	
VentActual.A_AI_SAFFlow	R	0301	R	AV, 40301	1	Q	AI function	Actual value supply air flow	4.3-1-00
VentActual.A_AI_EAFFlow	R	0302	R	AV, 40302	1	Q	AI function	Actual value extract air flow	4.3-1-00
VentActual.A_ExchPressureSAF	R	0303	R	AV, 40303	10		AI function	Actual value exchanger supply flow	



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VentActual.A_AI_ExchPressureEAF	R	0304	R	AV, 40304	10		AI function	Actual value exchanger extract pressure	
VentActual.A_AI_DeIcingTemp	R	0305	R	AV, 40305	10		AI function	Actual value defrosting temperature	
VentActual.A_AI_FrostprotTemp1(0)	R	0306	R	AV, 40306	10	T	AI function	Actual value freeze protection temperature 1	
VentActual.A_AI_FrostprotTemp2	R	0307	R	AV, 40307	10	T	AI function	Actual value freeze protection temperature 2	
VentActual.A_AI_FrostprotTemp3	R	0308	R	AV, 40308	10	T	AI function	Actual value freeze protection temperature 3	
VentActual.A_AI_CO2	R	0309	R	AV, 40309	10	ppm	AI function	Actual value CO2 room/extract air	
VentActual.A_AI_HumidityRoom	R	0310	R	AV, 40310	10	%	AI function	Actual value humidity room/extract air	
VentActual.A_AI_HumidityDuct	R	0311	R	AV, 40311	10	%	AI function	Actual value humidity duct	
VentActual.A_AI_HumidityOutDoor	R	0312	R	AV, 40312	10	%	AI function	Actual value humidity outdoor	
VentActual.A_AI_ExtraControllerTemp	R	0313	R	AV, 40313	10		AI function	Actual value extra controller temperature	
VentActual.A_AI_ExtSAFControl	R	0314	R	AV, 40314	10		AI function	Actual value external control supply air fan	
VentActual.A_AI_ExtEAFCControl	R	0315	R	AV, 40315	10		AI function	Actual value external control extract air fan	
VentActual.A_AI_ExtraSensor1(0)	R	0316	R	AV, 40316	10		AI function	Actual value extra sensor 1	
VentActual.A_AI_ExtraSensor2	R	0317	R	AV, 40317	10		AI function	Actual value extra sensor 2	
VentActual.A_AI_ExtraSensor3	R	0318	R	AV, 40318	10		AI function	Actual value extra sensor 3	



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VentActual.A_AI_ExtraSensor4	R	0319	R	AV, 40319	10		AI function	Actual value extra sensor 4	
VentActual.A_AI_ExtraSensor5	R	0320	R	AV, 40320	10		AI function	Actual value extra sensor 5	
VentActual.A_AI_ExternalSupplySetP	R	0321	R	AV, 40321	10		AI function	Actual value external temperature setpoint	
VentActual.A_AI_ExternalFlowSetP	R	0322	R	AV, 40322	1		AI function	Actual value external supply air flow setpoint	4.3-1-00
VentActual.A_AI_FilterGuard1(0)	R	0323	R	AV, 40323	10		AI function	Actual value supply air filter pressure	
VentActual.A_AI_FilterGuard2	R	0324	R	AV, 40324	10		AI function	Actual value extract air filter pressure	
VentActual.A_AI_EfficiencyTemp	R	0325	R	AV, 40325	10		AI function	Actual value efficiency temperature	
VentActual.A_AI_PreHeatTemp	R	0326	R	AV, 40326	10	T	AI function	Actual value preheater temperature	4.3-1-00
VentActual.A_AI_Zone1SupplyTemp(0)	R	0327	R	AV, 40327	10	T	AI function	Actual value supply air temperature zone 1	4.3-1-00
VentActual.A_AI_Zone2SupplyTemp	R	0328	R	AV, 40328	10	T	AI function	Actual value supply air temperature zone 2	4.3-1-00
VentActual.A_AI_Zone3SupplyTemp	R	0329	R	AV, 40329	10	T	AI function	Actual value supply air temperature zone 3	4.3-1-00
VentActual.A_AI_Zone1ExtractTemp(0)	R	0330	R	AV, 40330	10	T	AI function	Actual value extract air temperature zone 1	4.3-1-00
VentActual.A_AI_Zone2ExtractTemp	R	0331	R	AV, 40331	10	T	AI function	Actual value extract air temperature zone 2	4.3-1-00
VentActual.A_AI_Zone3ExtractTemp	R	0332	R	AV, 40332	10	T	AI function	Actual value extract air temperature zone 3	4.3-1-00
VentActual.A_AI_Zone1RoomTemp(0)	R	0333	R	AV, 40333	10	T	AI function	Actual value room temperature zone 1	4.3-1-00



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VentActual.A_AI_Zone2RoomTemp	R	0334	R	AV, 40334	10	T	AI function	Actual value room temperature zone 2	4.3-1-00
VentActual.A_AI_Zone3RoomTemp	R	0335	R	AV, 40335	10	T	AI function	Actual value room temperature zone 3	4.3-1-00
VentActual.A_RoomTemp	R	0336	R	AV, 40336	10	T	AI function	Calculated average temperature of room sensor 1 to 4	
VentActual.A_AI_ExchAirFlowSAF	R	0339	R	AV, 40339	1	Q	AI function	Calculated flow exchanger supply air	4.3-1-00
VentActual.A_ExchAirFlowEAF	R	0340	R	AV, 40340	1	Q	AI function	Calculated flow exchanger extract air	4.3-1-00
VentActual.A_AO_SequenceY1	R	0341	R	AV, 40341	10	%	AO function	Actual value SEQ-A	
VentActual.A_AO_SequenceY2	R	0342	R	AV, 40342	10	%	AO function	Actual value SEQ-B	
VentActual.A_AO_SequenceY3	R	0343	R	AV, 40343	10	%	AO function	Actual value SEQ-C	
VentActual.A_AO_SequenceY4	R	0344	R	AV, 40344	10	%	AO function	Actual value SEQ-D	
VentActual.A_AO_SequenceY5	R	0345	R	AV, 40345	10	%	AO function	Actual value SEQ-E	
VentActual.A_AO_SequenceY6	R	0346	R	AV, 40346	10	%	AO function	Actual value SEQ-F	
VentActual.A_AO_SequenceY7	R	0347	R	AV, 40347	10	%	AO function	Actual value SEQ-G	
VentActual.A_AO_SequenceY8	R	0348	R	AV, 40348	10	%	AO function	Actual value SEQ-H	
VentActual.A_AO_SequenceY9	R	0349	R	AV, 40349	10	%	AO function	Actual value SEQ-I	
VentActual.A_AO_SequenceY10	R	0350	R	AV, 40350	10	%	AO function	Actual value SEQ-J	



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VentActual.A_AO_ChangeOver1	R	0351	R	AV, 40351	10	%	AO function	Actual value changeover 1	
VentActual.A_AO_ChangeOver2	R	0352	R	AV, 40352	10	%	AO function	Actual value changeover 2	
VentActual.A_AO_SAF	R	0353	R	AV, 40353	10	%	AO function	Actual value supply air fan	
VentActual.A_AO_EAF	R	0354	R	AV, 40354	10	%	AO function	Actual value extract air fan	
VentActual.A_AO_Humidity	R	0355	R	AV, 40355	10	%	AO function	Actual value humidity	
VentActual.A_AO_StepController1	R	0356	R	AV, 40356	10	%	AO function	Actual value step controller 1	
VentActual.A_AO_StepController2	R	0357	R	AV, 40357	10	%	AO function	Actual value step controller 2	
VentActual.A_AO_ExtraController	R	0358	R	AV, 40358	10	%	AO function	Actual value extra controller	
VentActual.A_AO_AISignalOutput	R	0359	R	AV, 40359	10	%	AO function	Actual value output from analog input signal	
VentActual.A_AO_Auto_PreHeat	R	0360	R	AV, 40360	10	%	AO function	Actual value preheater	4.3-1-00
VentActual.A_AO_Auto_Zone1Heat(0)	R	0361	R	AV, 40361	10	%	AO function	Actual value heating zone 1	4.3-1-00
VentActual.A_AO_Auto_Zone2Heat	R	0362	R	AV, 40362	10	%	AO function	Actual value heating zone 2	4.3-1-00
VentActual.A_AO_Auto_Zone3Heat	R	0363	R	AV, 40363	10	%	AO function	Actual value heating zone 3	4.3-1-00
VentActual.A_AO_Auto_Zone1Cool(0)	R	0364	R	AV, 40364	10	%	AO function	Actual value cooling zone 1	4.3-1-00
VentActual.A_AO_Auto_Zone2Cool	R	0365	R	AV, 40365	10	%	AO function	Actual value cooling zone 2	4.3-1-00



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VentActual.A_AO_Auto_Zone3Cool	R	0366	R	AV, 40366	10	%	AO function	Actual value cooling zone 3	4.3-1-00
VentActual.A_AnalogOutput(1)	R	0370	R	AV, 40370	10	V	Analogue output	Raw value AO1	
VentActual.A_AnalogOutput(2)	R	0371	R	AV, 40371	10	V	Analogue output	Raw value AO2	
VentActual.A_AnalogOutput(3)	R	0372	R	AV, 40372	10	V	Analogue output	Raw value AO3	
VentActual.A_AnalogOutput(4)	R	0373	R	AV, 40373	10	V	Analogue output	Raw value AO4	
VentActual.A_AnalogOutput(5)	R	0374	R	AV, 40374	10	V	Analogue output	Raw value AO5	
VentActual.A_AnalogOutputExp1(1)	R	0375	R	AV, 40375	10	V	Analogue output	Raw value exp.unit 1 AO1	
VentActual.A_AnalogOutputExp1(2)	R	0376	R	AV, 40376	10	V	Analogue output	Raw value exp.unit 1 AO2	
VentActual.A_AnalogOutputExp1(3)	R	0377	R	AV, 40377	10	V	Analogue output	Raw value exp.unit 1 AO3	
VentActual.A_AnalogOutputExp1(4)	R	0378	R	AV, 40378	10	V	Analogue output	Raw value exp.unit 1 AO4	
VentActual.A_AnalogOutputExp1(5)	R	0379	R	AV, 40379	10	V	Analogue output	Raw value exp.unit 1 AO5	
VentActual.A_AnalogOutputExp2(1)	R	0380	R	AV, 40380	10	V	Analogue output	Raw value exp.unit 2 AO1	
VentActual.A_AnalogOutputExp2(2)	R	0381	R	AV, 40381	10	V	Analogue output	Raw value exp.unit 2 AO2	
VentActual.A_AnalogOutputExp2(3)	R	0382	R	AV, 40382	10	V	Analogue output	Raw value exp.unit 2 AO3	
VentActual.A_AnalogOutputExp2(4)	R	0383	R	AV, 40383	10	V	Analogue output	Raw value exp.unit 2 AO4	



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VentActual.A_AnalogOutputExp2(5)	R	0384	R	AV, 40384	10	V	Analogue output	Raw value exp.unit 2 AO5	
VentActual.A_AnalogOutput(6)	R	0385	R	AV, 40385	10	V	Analogue output	Raw value AO6	4.4-1-00
VentActual.A_Efficiency	R	0395	R	AV, 40395	10	%	AI function	Calculated temperature efficiency exchanger	
VentActual.A_UnitMode	X	0396	R	MSV, 40396	1	-	Unit information	<p>Actual unit mode <u>Modbus</u> 0=Stop 1=Starting up 2=Low speed 3=Normal speed 4=High speed 5=Support heating 6=Support cooling 7=CO₂ 8=Free cooling 9=Cool down 10=Fire 11=Smoke 12=Recirculation 13=Defrosting <u>Bacnet</u> +1 offset for corresponding Modbus</p>	
VentActual.A_UnitModeControl	X	0397	R	MSV, 40397	1		Unit information	<p>Indicates what is triggering the current run mode <u>Modbus</u> 1=Time schedule 2=Manual run 3=Digital Input 4=Alarm 5=External control</p>	



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								6=Service stop <u>Bacnet</u> +1 offset for corresponding Modbus	
VentActual.A_ActiveSeqType	X	0398	R	MSV, 40398	1	-	Unit information	Active seq. type <u>Modbus</u> 0 =Heating 1 =Cooling <u>Bacnet</u> +1 offset for corresponding Modbus	
VentActual.A_ActiveHeatSeqStep	X	0399	R	AV, 40399	1	-	Unit information	Active heat sequence	
VentActual.A_ActiveCoolSeqStep	X	0400	R	AV, 40400	1	-	Unit information	Active cool sequence	
VentActual.A_ActiveYSeq	X	0401	R	AV, 40401	1	-	Unit information	Active sequence (SEQ-A to SEQ-J) 1=SEQ-A ... 10=SEQ-J	
VentActual.A_SAFRunTime	R	0402	R	AV, 40402	10	-	Unit information	Total run time supply air fan (hours)	
VentActual.A_EAFRunTime	R	0403	R	AV, 40403	10	-	Unit information	Total run time extract air fan (hours)	
VentActual.A_DeIcingTime	X	0404	R	AV, 40404	1		Unit information	Run time in defrosting mode (minutes)	
VentActual.A_NeedRunTime	I	0405	R	AV, 40405	1		Unit information	Run time in support control mode (minutes)	
VentActual.A_CO2RunTime	I	0406	R	AV, 40406	1		Unit information	Run time in CO ₂ mode (minutes)	
VentActual.A_Y1Sequence	R	0408	R	AV, 40408	10	%	PID output	Control signal sequence-A	



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VentActual.A_Y2Sequence	R	0409	R	AV, 40409	10	%	PID output	Control signal sequence-B	
VentActual.A_Y3Sequence	R	0410	R	AV, 40410	10	%	PID output	Control signal sequence-C	
VentActual.A_Y4Sequence	R	0411	R	AV, 40411	10	%	PID output	Control signal sequence-D	
VentActual.A_Y5Sequence	R	0412	R	AV, 40412	10	%	PID output	Control signal sequence-E	
VentActual.A_Y6Sequence	R	0413	R	AV, 40413	10	%	PID output	Control signal sequence-F	
VentActual.A_Y7Sequence	R	0414	R	AV, 40414	10	%	PID output	Control signal sequence-G	
VentActual.A_Y8Sequence	R	0415	R	AV, 40415	10	%	PID output	Control signal sequence-H	
VentActual.A_Y9Sequence	R	0416	R	AV, 40416	10	%	PID output	Control signal sequence-I	
VentActual.A_Y10Sequence	R	0417	R	AV, 40417	10	%	PID output	Control signal sequence-J	
VentActual.A_SAF	R	0418	R	AV, 40418	10	%	PID output	Control signal supply air fan	
VentActual.A_EAF	R	0419	R	AV, 40419	10	%	PID output	Control signal extract air fan	



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VentActual.A_SAFSpeed	X	0420	R	MSV, 40420	1	-	Unit information	Actual level supply air fan <u>Modbus</u> 0=Off 1=Low speed 2=Normal speed 3=High speed 4=Manual setpoint 5=Manual output <u>Bacnet</u> +1 offset for corresponding Modbus	
VentActual.A_EAFSpeed	X	0421	R	MSV, 40421	1	-	Unit information	Actual level extract air fan (See signal list for A_SAFSpeed)	
VentActual.A_CompLowSpeedSAF(0)	R	0422	R	AV, 40422	10	P	Unit information	Pressure/flow compensation low speed supply air fan	
VentActual.A_CompNormalSpeedSAF	R	0423	R	AV, 40423	10	P	Unit information	Pressure/flow compensation normal speed supply air fan	
VentActual.A_CompHighSpeedSAF	R	0424	R	AV, 40424	10	P	Unit information	Pressure/flow compensation high speed supply air fan	
VentActual.A_CompLowSpeedEAF(0)	R	0425	R	AV, 40425	10	P	Unit information	Pressure/flow compensation low speed extract air fan	
VentActual.A_CompNormalSpeedEAF	R	0426	R	AV, 40426	10	P	Unit information	Pressure/flow compensation normal speed extract air fan	
VentActual.A_CompHighSpeedEAF	R	0427	R	AV, 40427	10	P	Unit information	Pressure/flow compensation high speed extract air fan	
VentActual.A_AlarmACount(0)	X	0428	R	AV, 40428	1	-	Unit information	Number of unacknowledged A-alarms	
VentActual.A_AlarmBCount	X	0429	R	AV, 40429	1	-	Unit information	Number of unacknowledged B-alarms	
VentActual.A_AlarmCCount	X	0430	R	AV, 40430	1	-	Unit information	Number of unacknowledged C-alarms	



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VentActual.A_SumAlarm1Count(0)	X	0431	R	AV, 40431	1		Unit information	Number of SumAlarm1 alarms	
VentActual.A_SumAlarm2Count	X	0432	R	AV, 40432	1		Unit information	Number of SumAlarm2 alarms	
VentActual.A_SupplyPID_SetP	R	0433	R	AV, 40433	10	T	PID Setpoint	Actual setpoint supply air temperature	
VentActual.A_SAFPID_SetP	R	0434	R	AV, 40434	10	P/Q	PID Setpoint	Actual setpoint supply air fan	
VentActual.A_EAFPID_SetP	R	0435	R	AV, 40435	10	P/Q	PID Setpoint	Actual setpoint extract air fan	
VentActual.A_FrostPID1_Output(0)	R	0436	R	AV, 40436	10	%	PID output	Control signal frost protection 1	
VentActual.A_FrostPID2_Output	R	0437	R	AV, 40437	10	%	PID output	Control signal frost protection 2	
VentActual.A_FrostPID3_Output	R	0438	R	AV, 40438	10	%	PID output	Control signal frost protection 3	
VentActual.A_CO2PID_Output	R	0439	R	AV, 40439	10	%	PID output	Control signal CO ₂	
VentActual.A_DeIcePID_Output	R	0440	R	AV, 40440	10	%	PID output	Control signal defrosting	
VentActual.A_HumidityPID_Output	R	0441	R	AV, 40441	10	%	PID output	Control signal humidity	
VentActual.A_SFP	R	0443	R	AV, 40443	10	-	Unit information	Actual SFP	
VentActual.A_SFPMonth	R	0444	R	AV, 40444	10	-	Unit information	Average SFP (day)	
VentActual.A_SFPMonth	R	0445	R	AV, 40445	10	-	Unit information	Average SFP (30 days)	
VentComActual.CA_MotorSpeedHzSAF(1)	R	0446	R	AV, 40446	10	Hz	Fan data	Motor speed frequency supply air fan 1	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_MotorSpeedHzSAF(2)	R	0447	R	AV, 40447	10	Hz	Fan data	Motor speed frequency supply air fan 2	
VentComActual.CA_MotorSpeedHzSAF(3)	R	0448	R	AV, 40448	10	Hz	Fan data	Motor speed frequency supply air fan 3	
VentComActual.CA_MotorSpeedHzSAF(4)	R	0449	R	AV, 40449	10	Hz	Fan data	Motor speed frequency supply air fan 4	
VentComActual.CA_MotorSpeedHzSAF(5)	R	0450	R	AV, 40450	10	Hz	Fan data	Motor speed frequency supply air fan 5	
VentComActual.CA_MotorSpeedHzEAF(1)	R	0451	R	AV, 40451	10	Hz	Fan data	Motor speed frequency extract air fan 1	
VentComActual.CA_MotorSpeedHzEAF(2)	R	0452	R	AV, 40452	10	Hz	Fan data	Motor speed frequency extract air fan 2	
VentComActual.CA_MotorSpeedHzEAF(3)	R	0453	R	AV, 40453	10	Hz	Fan data	Motor speed frequency extract air fan 3	
VentComActual.CA_MotorSpeedHzEAF(4)	R	0454	R	AV, 40454	10	Hz	Fan data	Motor speed frequency extract air fan 4	
VentComActual.CA_MotorSpeedHzEAF(5)	R	0455	R	AV, 40455	10	Hz	Fan data	Motor speed frequency extract air fan 5	
VentComActual.CA_MotorSpeedRpmSAF(1)	R	0456	R	AV, 40456	10	rpm	Fan data	Motor speed rpm supply air fan 1	
VentComActual.CA_MotorSpeedRpmSAF(2)	R	0457	R	AV, 40457	10	rpm	Fan data	Motor speed rpm supply air fan 2	
VentComActual.CA_MotorSpeedRpmSAF(3)	R	0458	R	AV, 40458	10	rpm	Fan data	Motor speed rpm supply air fan 3	
VentComActual.CA_MotorSpeedRpmSAF(4)	R	0459	R	AV, 40459	10	rpm	Fan data	Motor speed rpm supply air fan 4	
VentComActual.CA_MotorSpeedRpmSAF(5)	R	0460	R	AV, 40460	10	rpm	Fan data	Motor speed rpm supply air fan 5	
VentComActual.CA_MotorSpeedRpmEAF(1)	R	0461	R	AV, 40461	10	rpm	Fan data	Motor speed rpm extract air fan 1	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_MotorSpeedRpmEAF(2)	R	0462	R	AV, 40462	10	rpm	Fan data	Motor speed rpm extract air fan 2	
VentComActual.CA_MotorSpeedRpmEAF(3)	R	0463	R	AV, 40463	10	rpm	Fan data	Motor speed rpm extract air fan 3	
VentComActual.CA_MotorSpeedRpmEAF(4)	R	0464	R	AV, 40464	10	rpm	Fan data	Motor speed rpm extract air fan 4	
VentComActual.CA_MotorSpeedRpmEAF(5)	R	0465	R	AV, 40465	10	rpm	Fan data	Motor speed rpm extract air fan 5	
VentComActual.CA_MotorCurrentSAF(1)	R	0466	R	AV, 40466	10	A	Fan data	Motor current supply air fan 1	
VentComActual.CA_MotorCurrentSAF(2)	R	0467	R	AV, 40467	10	A	Fan data	Motor current supply air fan 2	
VentComActual.CA_MotorCurrentSAF(3)	R	0468	R	AV, 40468	10	A	Fan data	Motor current supply air fan 3	
VentComActual.CA_MotorCurrentSAF(4)	R	0469	R	AV, 40469	10	A	Fan data	Motor current supply air fan 4	
VentComActual.CA_MotorCurrentSAF(5)	R	0470	R	AV, 40470	10	A	Fan data	Motor current supply air fan 5	
VentComActual.CA_MotorCurrentEAF(1)	R	0471	R	AV, 40471	10	A	Fan data	Motor current extract air fan 1	
VentComActual.CA_MotorCurrentEAF(2)	R	0472	R	AV, 40472	10	A	Fan data	Motor current extract air fan 2	
VentComActual.CA_MotorCurrentEAF(3)	R	0473	R	AV, 40473	10	A	Fan data	Motor current extract air fan 3	
VentComActual.CA_MotorCurrentEAF(4)	R	0474	R	AV, 40474	10	A	Fan data	Motor current extract air fan 4	
VentComActual.CA_MotorCurrentEAF(5)	R	0475	R	AV, 40475	10	A	Fan data	Motor current extract air fan 5	
VentComActual.CA_MotorPowerSAF(1)	R	0476	R	AV, 40476	10		Fan data	Motor power supply air fan 1	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_MotorPowerSAF(2)	R	0477	R	AV, 40477	10		Fan data	Motor power supply air fan 2	
VentComActual.CA_MotorPowerSAF(3)	R	0478	R	AV, 40478	10		Fan data	Motor power supply air fan 3	
VentComActual.CA_MotorPowerSAF(4)	R	0479	R	AV, 40479	10		Fan data	Motor power supply air fan 4	
VentComActual.CA_MotorPowerSAF(5)	R	0480	R	AV, 40480	10		Fan data	Motor power supply air fan 5	
VentComActual.CA_MotorPowerEAF(1)	R	0481	R	AV, 40481	10		Fan data	Motor power extract air fan 1	
VentComActual.CA_MotorPowerEAF(2)	R	0482	R	AV, 40482	10		Fan data	Motor power extract air fan 2	
VentComActual.CA_MotorPowerEAF(3)	R	0483	R	AV, 40483	10		Fan data	Motor power extract air fan 3	
VentComActual.CA_MotorPowerEAF(4)	R	0484	R	AV, 40484	10		Fan data	Motor power extract air fan 4	
VentComActual.CA_MotorPowerEAF(5)	R	0485	R	AV, 40485	10		Fan data	Motor power extract air fan 5	
VentComActual.CA_ActiveFaultSAF(1)	I	0486	R	AV, 40486	1		Fan data	Error code supply air fan 1	
VentComActual.CA_ActiveFaultSAF(2)	I	0487	R	AV, 40487	1		Fan data	Error code supply air fan 2	
VentComActual.CA_ActiveFaultSAF(3)	I	0488	R	AV, 40488	1		Fan data	Error code supply air fan 3	
VentComActual.CA_ActiveFaultSAF(4)	I	0489	R	AV, 40489	1		Fan data	Error code supply air fan 4	
VentComActual.CA_ActiveFaultSAF(5)	I	0490	R	AV, 40490	1		Fan data	Error code supply air fan 5	
VentComActual.CA_ActiveFaultEAF(1)	I	0491	R	AV, 40491	1		Fan data	Error code extract air fan 1	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_ActiveFaultEAF(2)	I	0492	R	AV, 40492	1		Fan data	Error code extract air fan 2	
VentComActual.CA_ActiveFaultEAF(3)	I	0493	R	AV, 40493	1		Fan data	Error code extract air fan 3	
VentComActual.CA_ActiveFaultEAF(4)	I	0494	R	AV, 40494	1		Fan data	Error code extract air fan 4	
VentComActual.CA_ActiveFaultEAF(5)	I	0495	R	AV, 40495	1		Fan data	Error code extract air fan 5	
VentComActual.CA_ActualSpeedSAF(1)	R	0496	R	AV, 40496	10		Fan data	Actual speed supply air fan 1	
VentComActual.CA_ActualSpeedSAF(2)	R	0497	R	AV, 40497	10		Fan data	Actual speed supply air fan 2	
VentComActual.CA_ActualSpeedSAF(3)	R	0498	R	AV, 40498	10		Fan data	Actual speed supply air fan 3	
VentComActual.CA_ActualSpeedSAF(4)	R	0499	R	AV, 40499	10		Fan data	Actual speed supply air fan 4	
VentComActual.CA_ActualSpeedSAF(5)	R	0500	R	AV, 40500	10		Fan data	Actual speed supply air fan 5	
VentComActual.CA_ActualSpeedEAF(1)	R	0501	R	AV, 40501	10		Fan data	Actual speed extract air fan 1	
VentComActual.CA_ActualSpeedEAF(2)	R	0502	R	AV, 40502	10		Fan data	Actual speed extract air fan 2	
VentComActual.CA_ActualSpeedEAF(3)	R	0503	R	AV, 40503	10		Fan data	Actual speed extract air fan 3	
VentComActual.CA_ActualSpeedEAF(4)	R	0504	R	AV, 40504	10		Fan data	Actual speed extract air fan 4	
VentComActual.CA_ActualSpeedEAF(5)	R	0505	R	AV, 40505	10		Fan data	Actual speed extract air fan 5	
VentComActual.CA_AccumPowerSAF(1)	R	0506	R	AV, 40506	10		Fan data	Accumulated power supply air fan 1	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_AccumPowerSAF(2)	R	0507	R	AV, 40507	10		Fan data	Accumulated power supply air fan 2	
VentComActual.CA_AccumPowerSAF(3)	R	0508	R	AV, 40508	10		Fan data	Accumulated power supply air fan 3	
VentComActual.CA_AccumPowerSAF(4)	R	0509	R	AV, 40509	10		Fan data	Accumulated power supply air fan 4	
VentComActual.CA_AccumPowerSAF(5)	R	0510	R	AV, 40510	10		Fan data	Accumulated power supply air fan 5	
VentComActual.CA_AccumPowerEAF(1)	R	0511	R	AV, 40511	10		Fan data	Accumulated power extract air fan 1	
VentComActual.CA_AccumPowerEAF(2)	R	0512	R	AV, 40512	10		Fan data	Accumulated power extract air fan 2	
VentComActual.CA_AccumPowerEAF(3)	R	0513	R	AV, 40513	10		Fan data	Accumulated power extract air fan 3	
VentComActual.CA_AccumPowerEAF(4)	R	0514	R	AV, 40514	10		Fan data	Accumulated power extract air fan 4	
VentComActual.CA_AccumPowerEAF(5)	R	0515	R	AV, 40515	10		Fan data	Accumulated power extract air fan 5	
VentComActual.CA_VVXFault	I	0516	R	AV, 40516	1		Exchanger data	Error code exchanger	
VentComActual.CA_DamperActPos(1)	R	0517	R	AV, 40517	10	%	Damper data	Actual position damper 1	
VentComActual.CA_DamperActPos(2)	R	0518	R	AV, 40518	10	%	Damper data	Actual position damper 2	
VentComActual.CA_DamperActPos(3)	R	0519	R	AV, 40519	10	%	Damper data	Actual position damper 3	
VentComActual.CA_DamperActPos(4)	R	0520	R	AV, 40520	10	%	Damper data	Actual position damper 4	
VentComActual.CA_DamperActPos(5)	R	0521	R	AV, 40521	10	%	Damper data	Actual position damper 5	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_DamperFault(1)	I	0522	R	AV, 40522	1		Damper data	Error code damper 1	
VentComActual.CA_DamperFault(2)	I	0523	R	AV, 40523	1		Damper data	Error code damper 2	
VentComActual.CA_DamperFault(3)	I	0524	R	AV, 40524	1		Damper data	Error code damper 3	
VentComActual.CA_DamperFault(4)	I	0525	R	AV, 40525	1		Damper data	Error code damper 4	
VentComActual.CA_DamperFault(5)	I	0526	R	AV, 40526	1		Damper data	Error code damper 5	
VentActual.A_EnergyFanPwr	R	0527	R	AV, 40527	10		Energy insight	Actual power usage for all fans	4.1-1-01
VentActual.A_EnergyHeaterPwr	R	0528	R	AV, 40528	10		Energy insight	Actual power usage for water heater	4.1-1-01
VentActual.A_EnergyExchangerPwr	R	0529	R	AV, 40529	10		Energy insight	Actual power recovery for exchanger	4.1-1-01
VentActual.A_AI_Zone1FrostprotTemp(0)	R	0530	R	AV, 40530	10	T	AI function	Actual value freeze protection temperature zone 1	4.3-1-00
VentActual.A_AI_Zone2FrostprotTemp	R	0531	R	AV, 40531	10	T	AI function	Actual value freeze protection temperature zone 2	4.3-1-00
VentActual.A_AI_Zone3FrostprotTemp	R	0532	R	AV, 40532	10	T	AI function	Actual value freeze protection temperature zone 3	4.3-1-00
VentActual.A_AI_SAFFlow	R	0533	R		1	Q	AI function	Actual value supply air flow (32-bit float)	4.3-1-00
VentActual.A_AI_EAFFlow	R	0535	R		1	Q	AI function	Actual value extract air flow (32-bit float)	4.3-1-00
VentActual.A_AI_ExchAirFlowSAF	R	0537	R		1	Q	AI function	Calculated flow exchanger supply air (32-bit float)	4.3-1-00
VentComActual.CA_MotorSpeedHzSAF(6)	R	0539	R	AV, 40539	10		Fan data	Motor speed frequency supply air fan 6	4.3-1-00
VentComActual.CA_MotorSpeedHzSAF(7)	R	0540	R	AV, 40540	10		Fan data	Motor speed frequency supply air fan 7	4.3-1-00



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_MotorSpeedHzSAF(8)	R	0541	R	AV, 40541	10		Fan data	Motor speed frequency supply air fan 8	4.3-1-00
VentComActual.CA_MotorSpeedHzEAF(6)	R	0542	R	AV, 40542	10		Fan data	Motor speed frequency extract air fan 6	4.3-1-00
VentComActual.CA_MotorSpeedHzEAF(7)	R	0543	R	AV, 40543	10		Fan data	Motor speed frequency extract air fan 7	4.3-1-00
VentComActual.CA_MotorSpeedHzEAF(8)	R	0544	R	AV, 40544	10		Fan data	Motor speed frequency extract air fan 8	4.3-1-00
VentComActual.CA_MotorSpeedRpmSAF(6)	R	0545	R	AV, 40545	10		Fan data	Motor speed rpm supply air fan 6	4.3-1-00
VentComActual.CA_MotorSpeedRpmSAF(7)	R	0546	R	AV, 40546	10		Fan data	Motor speed rpm supply air fan 7	4.3-1-00
VentComActual.CA_MotorSpeedRpmSAF(8)	R	0547	R	AV, 40547	10		Fan data	Motor speed rpm supply air fan 8	4.3-1-00
VentComActual.CA_MotorSpeedRpmEAF(6)	R	0548	R	AV, 40548	10		Fan data	Motor speed rpm extract air fan 6	4.3-1-00
VentComActual.CA_MotorSpeedRpmEAF(7)	R	0549	R	AV, 40549	10		Fan data	Motor speed rpm extract air fan 7	4.3-1-00
VentComActual.CA_MotorSpeedRpmEAF(8)	R	0550	R	AV, 40550	10		Fan data	Motor speed rpm extract air fan 8	4.3-1-00
VentComActual.CA_MotorCurrentSAF(6)	R	0551	R	AV, 40551	10		Fan data	Motor current supply air fan 6	4.3-1-00
VentComActual.CA_MotorCurrentSAF(7)	R	0552	R	AV, 40552	10		Fan data	Motor current supply air fan 7	4.3-1-00
VentComActual.CA_MotorCurrentSAF(8)	R	0553	R	AV, 40553	10		Fan data	Motor current supply air fan 8	4.3-1-00
VentComActual.CA_MotorCurrentEAF(6)	R	0554	R	AV, 40554	10		Fan data	Motor current extract air fan 6	4.3-1-00
VentComActual.CA_MotorCurrentEAF(7)	R	0555	R	AV, 40555	10		Fan data	Motor current extract air fan 7	4.3-1-00



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_MotorCurrentEAF(8)	R	0556	R	AV, 40556	10		Fan data	Motor current extract air fan 8	4.3-1-00
VentComActual.CA_MotorPowerSAF(6)	R	0557	R	AV, 40557	10		Fan data	Motor power supply air fan 6	4.3-1-00
VentComActual.CA_MotorPowerSAF(7)	R	0558	R	AV, 40558	10		Fan data	Motor power supply air fan 7	4.3-1-00
VentComActual.CA_MotorPowerSAF(8)	R	0559	R	AV, 40559	10		Fan data	Motor power supply air fan 8	4.3-1-00
VentComActual.CA_MotorPowerEAF(6)	R	0560	R	AV, 40560	10		Fan data	Motor power extract air fan 6	4.3-1-00
VentComActual.CA_MotorPowerEAF(7)	R	0561	R	AV, 40561	10		Fan data	Motor power extract air fan 7	4.3-1-00
VentComActual.CA_MotorPowerEAF(8)	R	0562	R	AV, 40562	10		Fan data	Motor power extract air fan 8	4.3-1-00
VentComActual.CA_ActiveFaultSAF(6)	I	0563	R	AV, 40563	1		Fan data	Error code supply air fan 6	4.3-1-00
VentComActual.CA_ActiveFaultSAF(7)	I	0564	R	AV, 40564	1		Fan data	Error code supply air fan 7	4.3-1-00
VentComActual.CA_ActiveFaultSAF(8)	I	0565	R	AV, 40565	1		Fan data	Error code supply air fan 8	4.3-1-00
VentComActual.CA_ActiveFaultEAF(6)	I	0566	R	AV, 40566	1		Fan data	Error code extract air fan 6	4.3-1-00
VentComActual.CA_ActiveFaultEAF(7)	I	0567	R	AV, 40567	1		Fan data	Error code extract air fan 7	4.3-1-00
VentComActual.CA_ActiveFaultEAF(8)	I	0568	R	AV, 40568	1		Fan data	Error code extract air fan 8	4.3-1-00
VentComActual.CA_ActualSpeedSAF(6)	R	0569	R	AV, 40569	10		Fan data	Actual speed supply air fan 6	4.3-1-00
VentComActual.CA_ActualSpeedSAF(7)	R	0570	R	AV, 40570	10		Fan data	Actual speed supply air fan 7	4.3-1-00



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentComActual.CA_ActualSpeedSAF(8)	R	0571	R	AV, 40571	10		Fan data	Actual speed supply air fan 8	4.3-1-00
VentComActual.CA_ActualSpeedEAF(6)	R	0572	R	AV, 40572	10		Fan data	Actual speed extract air fan 6	4.3-1-00
VentComActual.CA_ActualSpeedEAF(7)	R	0573	R	AV, 40573	10		Fan data	Actual speed extract air fan 7	4.3-1-00
VentComActual.CA_ActualSpeedEAF(8)	R	0574	R	AV, 40574	10		Fan data	Actual speed extract air fan 8	4.3-1-00
VentComActual.CA_AccumPowerSAF(6)	R	0575	R	AV, 40575	10		Fan data	Accumulated power supply air fan 6	4.3-1-00
VentComActual.CA_AccumPowerSAF(7)	R	0576	R	AV, 40576	10		Fan data	Accumulated power supply air fan 7	4.3-1-00
VentComActual.CA_AccumPowerSAF(8)	R	0577	R	AV, 40577	10		Fan data	Accumulated power supply air fan 8	4.3-1-00
VentComActual.CA_AccumPowerEAF(6)	R	0578	R	AV, 40578	10		Fan data	Accumulated power extract air fan 6	4.3-1-00
VentComActual.CA_AccumPowerEAF(7)	R	0579	R	AV, 40579	10		Fan data	Accumulated power extract air fan 7	4.3-1-00
VentComActual.CA_AccumPowerEAF(8)	R	0580	R	AV, 40580	10		Fan data	Accumulated power extract air fan 8	4.3-1-00
VentActual.A_SupplyPID_SetP_Cool	R	0581		AV, 40581	10	T	Unit information	Cooling setpoint supply air temperature	4.3-1-00
VentActual.A_SupplyPID_SetP_Heat	R	0582		AV, 40582	10	T	Unit information	Heating setpoint supply air temperature	4.3-1-00
VentActual.A_DeHumidity_SetP	R	0583		AV, 40583	10	%RH	Unit information	Dehumidification setpoint	4.3-1-00
VentActual.A_Humidity_SetP	R	0584		AV, 40584	10	%RH	Unit information	Humidification setpoint	4.3-1-00
VentActual.A_HumidityMode	X	0585		MSV, 40585	1		Unit information	Humidity control mode <u>Modbus</u> 0=Not active	4.3-1-00



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
								1=Humidification 2=Dehumidification <u>Bacnet</u> +1 offset for corresponding Modbus	



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Chapter 5 Holding Register (4x)

Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
TimeDp.Posts(0).T1	R	0000	RW		100		Time channel	Low speed Monday start time 1 (HH.MM)	
TimeDp.Posts(0).T2	R	0001	RW		100		Time channel	Low speed Monday stop time 1	
TimeDp.Posts(0).T3	R	0002	RW		100		Time channel	Low speed Monday start time 2	
TimeDp.Posts(0).T4	R	0003	RW		100		Time channel	Low speed Monday stop time 2	
TimeDp.Posts(1).T1	R	0004	RW		100		Time channel	Low speed Tuesday start time 1	
TimeDp.Posts(1).T2	R	0005	RW		100		Time channel	Low speed Tuesday stop time 1	
TimeDp.Posts(1).T3	R	0006	RW		100		Time channel	Low speed Tuesday start time 2	
TimeDp.Posts(1).T4	R	0007	RW		100		Time channel	Low speed Tuesday stop time 2	
TimeDp.Posts(2).T1	R	0008	RW		100		Time channel	Low speed Wednesday start time 1	
TimeDp.Posts(2).T2	R	0009	RW		100		Time channel	Low speed Wednesday stop time 1	
TimeDp.Posts(2).T3	R	0010	RW		100		Time channel	Low speed Wednesday start time 2	
TimeDp.Posts(2).T4	R	0011	RW		100		Time channel	Low speed Wednesday stop time 2	
TimeDp.Posts(3).T1	R	0012	RW		100		Time channel	Low speed Thursday start time 1	
TimeDp.Posts(3).T2	R	0013	RW		100		Time channel	Low speed Thursday stop time 1	
TimeDp.Posts(3).T3	R	0014	RW		100		Time channel	Low speed Thursday start time 2	
TimeDp.Posts(3).T4	R	0015	RW		100		Time channel	Low speed Thursday stop time 2	
TimeDp.Posts(4).T1	R	0016	RW		100		Time channel	Low speed Friday start time 1	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
TimeDp.Posts(4).T2	R	0017	RW		100		Time channel	Low speed Friday stop time 1	
TimeDp.Posts(4).T3	R	0018	RW		100		Time channel	Low speed Friday start time 2	
TimeDp.Posts(4).T4	R	0019	RW		100		Time channel	Low speed Friday stop time 2	
TimeDp.Posts(5).T1	R	0020	RW		100		Time channel	Low speed Saturday start time 1	
TimeDp.Posts(5).T2	R	0021	RW		100		Time channel	Low speed Saturday stop time 1	
TimeDp.Posts(5).T3	R	0022	RW		100		Time channel	Low speed Saturday start time 2	
TimeDp.Posts(5).T4	R	0023	RW		100		Time channel	Low speed Saturday stop time 2	
TimeDp.Posts(6).T1	R	0024	RW		100		Time channel	Low speed Sunday start time 1	
TimeDp.Posts(6).T2	R	0025	RW		100		Time channel	Low speed Sunday stop time 1	
TimeDp.Posts(6).T3	R	0026	RW		100		Time channel	Low speed Sunday start time 2	
TimeDp.Posts(6).T4	R	0027	RW		100		Time channel	Low speed Sunday stop time 2	
TimeDp.Posts(7).T1	R	0028	RW		100		Time channel	Low speed holiday start time 1	
TimeDp.Posts(7).T2	R	0029	RW		100		Time channel	Low speed holiday stop time 1	
TimeDp.Posts(7).T3	R	0030	RW		100		Time channel	Low speed holiday start time 2	
TimeDp.Posts(7).T4	R	0031	RW		100		Time channel	Low speed holiday stop time 2	
TimeDp.Posts(8).T1	R	0032	RW		100		Time channel	Normal speed Monday start time 1	
TimeDp.Posts(8).T2	R	0033	RW		100		Time channel	Normal speed Monday stop time 1	
TimeDp.Posts(8).T3	R	0034	RW		100		Time channel	Normal speed Monday start time 2	
TimeDp.Posts(8).T4	R	0035	RW		100		Time channel	Normal speed Monday stop time 2	
TimeDp.Posts(9).T1	R	0036	RW		100		Time channel	Normal speed Tuesday start time 1	
TimeDp.Posts(9).T2	R	0037	RW		100		Time channel	Normal speed Tuesday stop time 1	
TimeDp.Posts(9).T3	R	0038	RW		100		Time channel	Normal speed Tuesday start time 2	



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TimeDp.Posts(9).T4	R	0039	RW		100		Time channel	Normal speed Tuesday stop time 2	
TimeDp.Posts(10).T1	R	0040	RW		100		Time channel	Normal speed Wednesday start time 1	
TimeDp.Posts(10).T2	R	0041	RW		100		Time channel	Normal speed Wednesday stop time 1	
TimeDp.Posts(10).T3	R	0042	RW		100		Time channel	Normal speed Wednesday start time 2	
TimeDp.Posts(10).T4	R	0043	RW		100		Time channel	Normal speed Wednesday stop time 2	
TimeDp.Posts(11).T1	R	0044	RW		100		Time channel	Normal speed Thursday start time 1	
TimeDp.Posts(11).T2	R	0045	RW		100		Time channel	Normal speed Thursday stop time 1	
TimeDp.Posts(11).T3	R	0046	RW		100		Time channel	Normal speed Thursday start time 2	
TimeDp.Posts(11).T4	R	0047	RW		100		Time channel	Normal speed Thursday stop time 2	
TimeDp.Posts(12).T1	R	0048	RW		100		Time channel	Normal speed Friday start time 1	
TimeDp.Posts(12).T2	R	0049	RW		100		Time channel	Normal speed Friday stop time 1	
TimeDp.Posts(12).T3	R	0050	RW		100		Time channel	Normal speed Friday start time 2	
TimeDp.Posts(12).T4	R	0051	RW		100		Time channel	Normal speed Friday stop time 2	
TimeDp.Posts(13).T1	R	0052	RW		100		Time channel	Normal speed Saturday start time 1	
TimeDp.Posts(13).T2	R	0053	RW		100		Time channel	Normal speed Saturday stop time 1	
TimeDp.Posts(13).T3	R	0054	RW		100		Time channel	Normal speed Saturday start time 2	
TimeDp.Posts(13).T4	R	0055	RW		100		Time channel	Normal speed Saturday stop time 2	
TimeDp.Posts(14).T1	R	0056	RW		100		Time channel	Normal speed Sunday start time 1	
TimeDp.Posts(14).T2	R	0057	RW		100		Time channel	Normal speed Sunday stop time 1	
TimeDp.Posts(14).T3	R	0058	RW		100		Time channel	Normal speed Sunday start time 2	
TimeDp.Posts(14).T4	R	0059	RW		100		Time channel	Normal speed Sunday stop time 2	
TimeDp.Posts(15).T1	R	0060	RW		100		Time channel	Normal speed holiday start time 1	



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TimeDp.Posts(15).T2	R	0061	RW		100		Time channel	Normal speed holiday stop time 1	
TimeDp.Posts(15).T3	R	0062	RW		100		Time channel	Normal speed holiday start time 2	
TimeDp.Posts(15).T4	R	0063	RW		100		Time channel	Normal speed holiday stop time 2	
TimeDp.Posts(16).T1	R	0064	RW		100		Time channel	High speed Monday start time 1	
TimeDp.Posts(16).T2	R	0065	RW		100		Time channel	High speed Monday stop time 1	
TimeDp.Posts(16).T3	R	0066	RW		100		Time channel	High speed Monday start time 2	
TimeDp.Posts(16).T4	R	0067	RW		100		Time channel	High speed Monday stop time 2	
TimeDp.Posts(17).T1	R	0068	RW		100		Time channel	High speed Tuesday start time 1	
TimeDp.Posts(17).T2	R	0069	RW		100		Time channel	High speed Tuesday stop time 1	
TimeDp.Posts(17).T3	R	0070	RW		100		Time channel	High speed Tuesday start time 2	
TimeDp.Posts(17).T4	R	0071	RW		100		Time channel	High speed Tuesday stop time 2	
TimeDp.Posts(18).T1	R	0072	RW		100		Time channel	High speed Wednesday start time 1	
TimeDp.Posts(18).T2	R	0073	RW		100		Time channel	High speed Wednesday stop time 1	
TimeDp.Posts(18).T3	R	0074	RW		100		Time channel	High speed Wednesday start time 2	
TimeDp.Posts(18).T4	R	0075	RW		100		Time channel	High speed Wednesday stop time 2	
TimeDp.Posts(19).T1	R	0076	RW		100		Time channel	High speed Thursday start time 1	
TimeDp.Posts(19).T2	R	0077	RW		100		Time channel	High speed Thursday stop time 1	
TimeDp.Posts(19).T3	R	0078	RW		100		Time channel	High speed Thursday start time 2	
TimeDp.Posts(19).T4	R	0079	RW		100		Time channel	High speed Thursday stop time 2	
TimeDp.Posts(20).T1	R	0080	RW		100		Time channel	High speed Friday start time 1	
TimeDp.Posts(20).T2	R	0081	RW		100		Time channel	High speed Friday stop time 1	
TimeDp.Posts(20).T3	R	0082	RW		100		Time channel	High speed Friday start time 2	



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TimeDp.Posts(20).T4	R	0083	RW		100		Time channel	High speed Friday stop time 2	
TimeDp.Posts(21).T1	R	0084	RW		100		Time channel	High speed Saturday start time 1	
TimeDp.Posts(21).T2	R	0085	RW		100		Time channel	High speed Saturday stop time 1	
TimeDp.Posts(21).T3	R	0086	RW		100		Time channel	High speed Saturday start time 2	
TimeDp.Posts(21).T4	R	0087	RW		100		Time channel	High speed Saturday stop time 2	
TimeDp.Posts(22).T1	R	0088	RW		100		Time channel	High speed Sunday start time 1	
TimeDp.Posts(22).T2	R	0089	RW		100		Time channel	High speed Sunday stop time 1	
TimeDp.Posts(22).T3	R	0090	RW		100		Time channel	High speed Sunday start time 2	
TimeDp.Posts(22).T4	R	0091	RW		100		Time channel	High speed Sunday stop time 2	
TimeDp.Posts(23).T1	R	0092	RW		100		Time channel	High speed holiday start time 1	
TimeDp.Posts(23).T2	R	0093	RW		100		Time channel	High speed holiday stop time 1	
TimeDp.Posts(23).T3	R	0094	RW		100		Time channel	High speed holiday start time 2	
TimeDp.Posts(23).T4	R	0095	RW		100		Time channel	High speed holiday stop time 2	
TimeDp.Posts(24).T1	R	0096	RW		100		Time channel	Extra time channel 1 Monday start time 1	
TimeDp.Posts(24).T2	R	0097	RW		100		Time channel	Extra time channel 1 Monday stop time 1	
TimeDp.Posts(24).T3	R	0098	RW		100		Time channel	Extra time channel 1 Monday start time 2	
TimeDp.Posts(24).T4	R	0099	RW		100		Time channel	Extra time channel 1 Monday stop time 2	
TimeDp.Posts(25).T1	R	0100	RW		100		Time channel	Extra time channel 1 Tuesday start time 1	
TimeDp.Posts(25).T2	R	0101	RW		100		Time channel	Extra time channel 1 Tuesday stop time 1	
TimeDp.Posts(25).T3	R	0102	RW		100		Time channel	Extra time channel 1 Tuesday start time 2	
TimeDp.Posts(25).T4	R	0103	RW		100		Time channel	Extra time channel 1 Tuesday stop time 2	
TimeDp.Posts(26).T1	R	0104	RW		100		Time channel	Extra time channel 1 Wednesday start time 1	



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TimeDp.Posts(26).T2	R	0105	RW		100		Time channel	Extra time channel 1 Wednesday stop time 1	
TimeDp.Posts(26).T3	R	0106	RW		100		Time channel	Extra time channel 1 Wednesday start time 2	
TimeDp.Posts(26).T4	R	0107	RW		100		Time channel	Extra time channel 1 Wednesday stop time 2	
TimeDp.Posts(27).T1	R	0108	RW		100		Time channel	Extra time channel 1 Thursday start time 1	
TimeDp.Posts(27).T2	R	0109	RW		100		Time channel	Extra time channel 1 Thursday stop time 1	
TimeDp.Posts(27).T3	R	0110	RW		100		Time channel	Extra time channel 1 Thursday start time 2	
TimeDp.Posts(27).T4	R	0111	RW		100		Time channel	Extra time channel 1 Thursday stop time 2	
TimeDp.Posts(28).T1	R	0112	RW		100		Time channel	Extra time channel 1 Friday start time 1	
TimeDp.Posts(28).T2	R	0113	RW		100		Time channel	Extra time channel 1 Friday stop time 1	
TimeDp.Posts(28).T3	R	0114	RW		100		Time channel	Extra time channel 1 Friday start time 2	
TimeDp.Posts(28).T4	R	0115	RW		100		Time channel	Extra time channel 1 Friday stop time 2	
TimeDp.Posts(29).T1	R	0116	RW		100		Time channel	Extra time channel 1 Saturday start time 1	
TimeDp.Posts(29).T2	R	0117	RW		100		Time channel	Extra time channel 1 Saturday stop time 1	
TimeDp.Posts(29).T3	R	0118	RW		100		Time channel	Extra time channel 1 Saturday start time 2	
TimeDp.Posts(29).T4	R	0119	RW		100		Time channel	Extra time channel 1 Saturday stop time 2	
TimeDp.Posts(30).T1	R	0120	RW		100		Time channel	Extra time channel 1 Sunday start time 1	
TimeDp.Posts(30).T2	R	0121	RW		100		Time channel	Extra time channel 1 Sunday stop time 1	
TimeDp.Posts(30).T3	R	0122	RW		100		Time channel	Extra time channel 1 Sunday start time 2	
TimeDp.Posts(30).T4	R	0123	RW		100		Time channel	Extra time channel 1 Sunday stop time 2	
TimeDp.Posts(31).T1	R	0124	RW		100		Time channel	Extra time channel 1 holiday start time 1	
TimeDp.Posts(31).T2	R	0125	RW		100		Time channel	Extra time channel 1 holiday stop time 1	
TimeDp.Posts(31).T3	R	0126	RW		100		Time channel	Extra time channel 1 holiday start time 2	



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TimeDp.Posts(31).T4	R	0127	RW		100		Time channel	Extra time channel 1 holiday stop time 2	
TimeDp.Posts(32).T1	R	0128	RW		100		Time channel	Extra time channel 2 Monday start time 1	
TimeDp.Posts(32).T2	R	0129	RW		100		Time channel	Extra time channel 2 Monday stop time 1	
TimeDp.Posts(32).T3	R	0130	RW		100		Time channel	Extra time channel 2 Monday start time 2	
TimeDp.Posts(32).T4	R	0131	RW		100		Time channel	Extra time channel 2 Monday stop time 2	
TimeDp.Posts(33).T1	R	0132	RW		100		Time channel	Extra time channel 2 Tuesday start time 1	
TimeDp.Posts(33).T2	R	0133	RW		100		Time channel	Extra time channel 2 Tuesday stop time 1	
TimeDp.Posts(33).T3	R	0134	RW		100		Time channel	Extra time channel 2 Tuesday start time 2	
TimeDp.Posts(33).T4	R	0135	RW		100		Time channel	Extra time channel 2 Tuesday stop time 2	
TimeDp.Posts(34).T1	R	0136	RW		100		Time channel	Extra time channel 2 Wednesday start time 1	
TimeDp.Posts(34).T2	R	0137	RW		100		Time channel	Extra time channel 2 Wednesday stop time 1	
TimeDp.Posts(34).T3	R	0138	RW		100		Time channel	Extra time channel 2 Wednesday start time 2	
TimeDp.Posts(34).T4	R	0139	RW		100		Time channel	Extra time channel 2 Wednesday stop time 2	
TimeDp.Posts(35).T1	R	0140	RW		100		Time channel	Extra time channel 2 Thursday start time 1	
TimeDp.Posts(35).T2	R	0141	RW		100		Time channel	Extra time channel 2 Thursday stop time 1	
TimeDp.Posts(35).T3	R	0142	RW		100		Time channel	Extra time channel 2 Thursday start time 2	
TimeDp.Posts(35).T4	R	0143	RW		100		Time channel	Extra time channel 2 Thursday stop time 2	
TimeDp.Posts(36).T1	R	0144	RW		100		Time channel	Extra time channel 2 Friday start time 1	
TimeDp.Posts(36).T2	R	0145	RW		100		Time channel	Extra time channel 2 Friday stop time 1	
TimeDp.Posts(36).T3	R	0146	RW		100		Time channel	Extra time channel 2 Friday start time 2	
TimeDp.Posts(36).T4	R	0147	RW		100		Time channel	Extra time channel 2 Friday stop time 2	
TimeDp.Posts(37).T1	R	0148	RW		100		Time channel	Extra time channel 2 Saturday start time 1	



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TimeDp.Posts(37).T2	R	0149	RW		100		Time channel	Extra time channel 2 Saturday stop time 1	
TimeDp.Posts(37).T3	R	0150	RW		100		Time channel	Extra time channel 2 Saturday start time 2	
TimeDp.Posts(37).T4	R	0151	RW		100		Time channel	Extra time channel 2 Saturday stop time 2	
TimeDp.Posts(38).T1	R	0152	RW		100		Time channel	Extra time channel 2 Sunday start time 1	
TimeDp.Posts(38).T2	R	0153	RW		100		Time channel	Extra time channel 2 Sunday stop time 1	
TimeDp.Posts(38).T3	R	0154	RW		100		Time channel	Extra time channel 2 Sunday start time 2	
TimeDp.Posts(38).T4	R	0155	RW		100		Time channel	Extra time channel 2 Sunday stop time 2	
TimeDp.Posts(39).T1	R	0156	RW		100		Time channel	Extra time channel 2 holiday start time 1	
TimeDp.Posts(39).T2	R	0157	RW		100		Time channel	Extra time channel 2 holiday stop time 1	
TimeDp.Posts(39).T3	R	0158	RW		100		Time channel	Extra time channel 2 holiday start time 2	
TimeDp.Posts(39).T4	R	0159	RW		100		Time channel	Extra time channel 2 holiday stop time 2	
TimeDp.Posts(40).T1	R	0160	RW		100		Time channel	Extra time channel 3 Monday start time 1	
TimeDp.Posts(40).T2	R	0161	RW		100		Time channel	Extra time channel 3 Monday stop time 1	
TimeDp.Posts(40).T3	R	0162	RW		100		Time channel	Extra time channel 3 Monday start time 2	
TimeDp.Posts(40).T4	R	0163	RW		100		Time channel	Extra time channel 3 Monday stop time 2	
TimeDp.Posts(41).T1	R	0164	RW		100		Time channel	Extra time channel 3 Tuesday start time 1	
TimeDp.Posts(41).T2	R	0165	RW		100		Time channel	Extra time channel 3 Tuesday stop time 1	
TimeDp.Posts(41).T3	R	0166	RW		100		Time channel	Extra time channel 3 Tuesday start time 2	
TimeDp.Posts(41).T4	R	0167	RW		100		Time channel	Extra time channel 3 Tuesday stop time 2	
TimeDp.Posts(42).T1	R	0168	RW		100		Time channel	Extra time channel 3 Wednesday start time 1	
TimeDp.Posts(42).T2	R	0169	RW		100		Time channel	Extra time channel 3 Wednesday stop time 1	
TimeDp.Posts(42).T3	R	0170	RW		100		Time channel	Extra time channel 3 Wednesday start time 2	



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TimeDp.Posts(42).T4	R	0171	RW		100		Time channel	Extra time channel 3 Wednesday stop time 2	
TimeDp.Posts(43).T1	R	0172	RW		100		Time channel	Extra time channel 3 Thursday start time 1	
TimeDp.Posts(43).T2	R	0173	RW		100		Time channel	Extra time channel 3 Thursday stop time 1	
TimeDp.Posts(43).T3	R	0174	RW		100		Time channel	Extra time channel 3 Thursday start time 2	
TimeDp.Posts(43).T4	R	0175	RW		100		Time channel	Extra time channel 3 Thursday stop time 2	
TimeDp.Posts(44).T1	R	0176	RW		100		Time channel	Extra time channel 3 Friday start time 1	
TimeDp.Posts(44).T2	R	0177	RW		100		Time channel	Extra time channel 3 Friday stop time 1	
TimeDp.Posts(44).T3	R	0178	RW		100		Time channel	Extra time channel 3 Friday start time 2	
TimeDp.Posts(44).T4	R	0179	RW		100		Time channel	Extra time channel 3 Friday stop time 2	
TimeDp.Posts(45).T1	R	0180	RW		100		Time channel	Extra time channel 3 Saturday start time 1	
TimeDp.Posts(45).T2	R	0181	RW		100		Time channel	Extra time channel 3 Saturday stop time 1	
TimeDp.Posts(45).T3	R	0182	RW		100		Time channel	Extra time channel 3 Saturday start time 2	
TimeDp.Posts(45).T4	R	0183	RW		100		Time channel	Extra time channel 3 Saturday stop time 2	
TimeDp.Posts(46).T1	R	0184	RW		100		Time channel	Extra time channel 3 Sunday start time 1	
TimeDp.Posts(46).T2	R	0185	RW		100		Time channel	Extra time channel 3 Sunday stop time 1	
TimeDp.Posts(46).T3	R	0186	RW		100		Time channel	Extra time channel 3 Sunday start time 2	
TimeDp.Posts(46).T4	R	0187	RW		100		Time channel	Extra time channel 3 Sunday stop time 2	
TimeDp.Posts(47).T1	R	0188	RW		100		Time channel	Extra time channel 3 holiday start time 1	
TimeDp.Posts(47).T2	R	0189	RW		100		Time channel	Extra time channel 3 holiday stop time 1	
TimeDp.Posts(47).T3	R	0190	RW		100		Time channel	Extra time channel 3 holiday start time 2	
TimeDp.Posts(47).T4	R	0191	RW		100		Time channel	Extra time channel 3 holiday stop time 2	
TimeDp.Posts(48).T1	R	0192	RW		100		Time channel	Extra time channel 4 Monday start time 1	



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TimeDp.Posts(48).T2	R	0193	RW		100		Time channel	Extra time channel 4 Monday stop time 1	
TimeDp.Posts(48).T3	R	0194	RW		100		Time channel	Extra time channel 4 Monday start time 2	
TimeDp.Posts(48).T4	R	0195	RW		100		Time channel	Extra time channel 4 Monday stop time 2	
TimeDp.Posts(49).T1	R	0196	RW		100		Time channel	Extra time channel 4 Tuesday start time 1	
TimeDp.Posts(49).T2	R	0197	RW		100		Time channel	Extra time channel 4 Tuesday stop time 1	
TimeDp.Posts(49).T3	R	0198	RW		100		Time channel	Extra time channel 4 Tuesday start time 2	
TimeDp.Posts(49).T4	R	0199	RW		100		Time channel	Extra time channel 4 Tuesday stop time 2	
TimeDp.Posts(50).T1	R	0200	RW		100		Time channel	Extra time channel 4 Wednesday start time 1	
TimeDp.Posts(50).T2	R	0201	RW		100		Time channel	Extra time channel 4 Wednesday stop time 1	
TimeDp.Posts(50).T3	R	0202	RW		100		Time channel	Extra time channel 4 Wednesday start time 2	
TimeDp.Posts(50).T4	R	0203	RW		100		Time channel	Extra time channel 4 Wednesday stop time 2	
TimeDp.Posts(51).T1	R	0204	RW		100		Time channel	Extra time channel 4 Thursday start time 1	
TimeDp.Posts(51).T2	R	0205	RW		100		Time channel	Extra time channel 4 Thursday stop time 1	
TimeDp.Posts(51).T3	R	0206	RW		100		Time channel	Extra time channel 4 Thursday start time 2	
TimeDp.Posts(51).T4	R	0207	RW		100		Time channel	Extra time channel 4 Thursday stop time 2	
TimeDp.Posts(52).T1	R	0208	RW		100		Time channel	Extra time channel 4 Friday start time 1	
TimeDp.Posts(52).T2	R	0209	RW		100		Time channel	Extra time channel 4 Friday stop time 1	
TimeDp.Posts(52).T3	R	0210	RW		100		Time channel	Extra time channel 4 Friday start time 2	
TimeDp.Posts(52).T4	R	0211	RW		100		Time channel	Extra time channel 4 Friday stop time 2	
TimeDp.Posts(53).T1	R	0212	RW		100		Time channel	Extra time channel 4 Saturday start time 1	
TimeDp.Posts(53).T2	R	0213	RW		100		Time channel	Extra time channel 4 Saturday stop time 1	
TimeDp.Posts(53).T3	R	0214	RW		100		Time channel	Extra time channel 4 Saturday start time 2	



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TimeDp.Posts(53).T4	R	0215	RW		100		Time channel	Extra time channel 4 Saturday stop time 2	
TimeDp.Posts(54).T1	R	0216	RW		100		Time channel	Extra time channel 4 Sunday start time 1	
TimeDp.Posts(54).T2	R	0217	RW		100		Time channel	Extra time channel 4 Sunday stop time 1	
TimeDp.Posts(54).T3	R	0218	RW		100		Time channel	Extra time channel 4 Sunday start time 2	
TimeDp.Posts(54).T4	R	0219	RW		100		Time channel	Extra time channel 4 Sunday stop time 2	
TimeDp.Posts(55).T1	R	0220	RW		100		Time channel	Extra time channel 4 holiday start time 1	
TimeDp.Posts(55).T2	R	0221	RW		100		Time channel	Extra time channel 4 holiday stop time 1	
TimeDp.Posts(55).T3	R	0222	RW		100		Time channel	Extra time channel 4 holiday start time 2	
TimeDp.Posts(55).T4	R	0223	RW		100		Time channel	Extra time channel 4 holiday stop time 2	
TimeHp.Posts(0).FromDate	R	0224	RW		100		Time channel	Holiday period 1 start date (MM.DD)	
TimeHp.Posts(0).ToDate	R	0225	RW		100		Time channel	Holiday period 1 end date (MM.DD)	
TimeHp.Posts(1).FromDate	R	0226	RW		100		Time channel	Holiday period 2 start date (MM.DD)	
TimeHp.Posts(1).ToDate	R	0227	RW		100		Time channel	Holiday period 2 end date (MM.DD)	
TimeHp.Posts(2).FromDate	R	0228	RW		100		Time channel	Holiday period 3 start date (MM.DD)	
TimeHp.Posts(2).ToDate	R	0229	RW		100		Time channel	Holiday period 3 end date (MM.DD)	
TimeHp.Posts(3).FromDate	R	0230	RW		100		Time channel	Holiday period 4 start date (MM.DD)	
TimeHp.Posts(3).ToDate	R	0231	RW		100		Time channel	Holiday period 4 end date (MM.DD)	
TimeHp.Posts(4).FromDate	R	0232	RW		100		Time channel	Holiday period 5 start date (MM.DD)	
TimeHp.Posts(4).ToDate	R	0233	RW		100		Time channel	Holiday period 5 end date (MM.DD)	
TimeHp.Posts(5).FromDate	R	0234	RW		100		Time channel	Holiday period 6 start date (MM.DD)	
TimeHp.Posts(5).ToDate	R	0235	RW		100		Time channel	Holiday period 6 end date (MM.DD)	
TimeHp.Posts(6).FromDate	R	0236	RW		100		Time channel	Holiday period 7 start date (MM.DD)	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
TimeHp.Posts(6).ToDate	R	0237	RW		100		Time channel	Holiday period 7 end date (MM.DD)	
TimeHp.Posts(7).FromDate	R	0238	RW		100		Time channel	Holiday period 8 start date (MM.DD)	
TimeHp.Posts(7).ToDate	R	0239	RW		100		Time channel	Holiday period 8 end date (MM.DD)	
TimeHp.Posts(8).FromDate	R	0240	RW		100		Time channel	Holiday period 9 start date (MM.DD)	
TimeHp.Posts(8).ToDate	R	0241	RW		100		Time channel	Holiday period 9 end date (MM.DD)	
TimeHp.Posts(9).FromDate	R	0242	RW		100		Time channel	Holiday period 10 start date (MM.DD)	
TimeHp.Posts(9).ToDate	R	0243	RW		100		Time channel	Holiday period 10 end date (MM.DD)	
TimeHp.Posts(10).FromDate	R	0244	RW		100		Time channel	Holiday period 11 start date (MM.DD)	
TimeHp.Posts(10).ToDate	R	0245	RW		100		Time channel	Holiday period 11 end date (MM.DD)	
TimeHp.Posts(11).FromDate	R	0246	RW		100		Time channel	Holiday period 12 start date (MM.DD)	
TimeHp.Posts(11).ToDate	R	0247	RW		100		Time channel	Holiday period 12 end date (MM.DD)	
TimeHp.Posts(12).FromDate	R	0248	RW		100		Time channel	Holiday period 13 start date (MM.DD)	
TimeHp.Posts(12).ToDate	R	0249	RW		100		Time channel	Holiday period 13 end date (MM.DD)	
TimeHp.Posts(13).FromDate	R	0250	RW		100		Time channel	Holiday period 14 start date (MM.DD)	
TimeHp.Posts(13).ToDate	R	0251	RW		100		Time channel	Holiday period 14 end date (MM.DD)	
TimeHp.Posts(14).FromDate	R	0252	RW		100		Time channel	Holiday period 15 start date (MM.DD)	
TimeHp.Posts(14).ToDate	R	0253	RW		100		Time channel	Holiday period 15 end date (MM.DD)	
TimeHp.Posts(15).FromDate	R	0254	RW		100		Time channel	Holiday period 16 start date (MM.DD)	
TimeHp.Posts(15).ToDate	R	0255	RW		100		Time channel	Holiday period 16 end date (MM.DD)	
TimeHp.Posts(16).FromDate	R	0256	RW		100		Time channel	Holiday period 17 start date (MM.DD)	
TimeHp.Posts(16).ToDate	R	0257	RW		100		Time channel	Holiday period 17 end date (MM.DD)	
TimeHp.Posts(17).FromDate	R	0258	RW		100		Time channel	Holiday period 18 start date (MM.DD)	



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TimeHp.Posts(17).ToDate	R	0259	RW		100		Time channel	Holiday period 18 end date (MM.DD)	
TimeHp.Posts(18).FromDate	R	0260	RW		100		Time channel	Holiday period 19 start date (MM.DD)	
TimeHp.Posts(18).ToDate	R	0261	RW		100		Time channel	Holiday period 19 end date (MM.DD)	
TimeHp.Posts(19).FromDate	R	0262	RW		100		Time channel	Holiday period 20 start date (MM.DD)	
TimeHp.Posts(19).ToDate	R	0263	RW		100		Time channel	Holiday period 20 end date (MM.DD)	
TimeHp.Posts(20).FromDate	R	0264	RW		100		Time channel	Holiday period 21 start date (MM.DD)	
TimeHp.Posts(20).ToDate	R	0265	RW		100		Time channel	Holiday period 21 end date (MM.DD)	
TimeHp.Posts(21).FromDate	R	0266	RW		100		Time channel	Holiday period 22 start date (MM.DD)	
TimeHp.Posts(21).ToDate	R	0267	RW		100		Time channel	Holiday period 22 end date (MM.DD)	
TimeHp.Posts(22).FromDate	R	0268	RW		100		Time channel	Holiday period 23 start date (MM.DD)	
TimeHp.Posts(22).ToDate	R	0269	RW		100		Time channel	Holiday period 23 end date (MM.DD)	
TimeHp.Posts(23).FromDate	R	0270	RW		100		Time channel	Holiday period 24 start date (MM.DD)	
TimeHp.Posts(23).ToDate	R	0271	RW		100		Time channel	Holiday period 24 end date (MM.DD)	
TimePro.TC_FanLowSpeed_Status	X	0272	RW	MSV, 30272	1		Operation override	Manual/Auto Low Speed time channel Modbus 0=Manual off 1=Manual on 2=Forced off 3=Forced on 4=Auto Bacnet +1 offset for corresponding Modbus	
TimePro.TC_FanNormalSpeed_Status	X	0273	RW	MSV, 30273	1		Operation override	Manual/Auto Normal Speed time channel (See signal list for FanLowSpeed_Status)	
TimePro.TC_FanHighSpeed_Status	X	0274	RW	MSV, 30274	1		Operation override	Manual/Auto High Speed time channel (See signal list for FanLowSpeed_Status)	



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TimePro.TC_Extra1_Status	X	0275	RW	MSV, 30275	1		Operation override	Manual/Auto Timer output 1 (See signal list for FanLowSpeed_Status)	
TimePro.TC_Extra2_Status	X	0276	RW	MSV, 30276	1		Operation override	Manual/Auto Timer output 2 (See signal list for FanLowSpeed_Status)	
TimePro.TC_Extra3_Status	X	0277	RW	MSV, 30277	1		Operation override	Manual/Auto Timer output 3 (See signal list for FanLowSpeed_Status)	
TimePro.TC_Extra4_Status	X	0278	RW	MSV, 30278	1		Operation override	Manual/Auto Timer output 4 (See signal list for FanLowSpeed_Status)	
QSystem.Minute	X	0280	RW	AV, 30280	1		Real Time Clock	Real time clock: Minute 0-59	
QSystem.Hour	X	0281	RW	AV, 30281	1		Real Time Clock	Real time clock: Hour 0-23	
QSystem.WDay	X	0282	RW	AV, 30282	1		Real Time Clock	Real time clock: Day of Week 1-7, 1=Monday	
QSystem.Week	X	0283	RW	AV, 30283	1		Real Time Clock	Real time clock: Week number 1-53	
QSystem.Date	X	0284	RW	AV, 30284	1		Real Time Clock	Real time clock: Day of month 1-31	
QSystem.Month	X	0285	RW	AV, 30285	1		Real Time Clock	Real time clock: Month 1-12	
QSystem.Year	X	0286	RW	AV, 30286	1		Real Time Clock	Real time clock: Year 0-99	
AlaData.Ala_MalfunctionSAF1_DelayValue	I	0287	RW		1		Alarm setting	Alarm delay malfunction supply air fan 1	
AlaData.Ala_MalfunctionSAF2_DelayValue	I	0288	RW		1		Alarm setting	Alarm delay malfunction supply air fan 2	
AlaData.Ala_MalfunctionSAF3_DelayValue	I	0289	RW		1		Alarm setting	Alarm delay malfunction supply air fan 3	
AlaData.Ala_MalfunctionSAF4_DelayValue	I	0290	RW		1		Alarm setting	Alarm delay malfunction supply air fan 4	
AlaData.Ala_MalfunctionSAF5_DelayValue	I	0291	RW		1		Alarm setting	Alarm delay malfunction supply air fan 5	
AlaData.Ala_MalfunctionEAF1_DelayValue	I	0292	RW		1		Alarm setting	Alarm delay malfunction extract air fan 1	
AlaData.Ala_MalfunctionEAF2_DelayValue	I	0293	RW		1		Alarm setting	Alarm delay malfunction extract air fan 2	
AlaData.Ala_MalfunctionEAF3_DelayValue	I	0294	RW		1		Alarm setting	Alarm delay malfunction extract air fan 3	
AlaData.Ala_MalfunctionEAF4_DelayValue	I	0295	RW		1		Alarm setting	Alarm delay malfunction extract air fan 4	



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Signal name	EXOL type	Modbus address	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_MalfunctionEAF5_DelayValue	I	0296	RW		1	Alarm setting	Alarm delay malfunction extract air fan 5	
AlaData.Ala_AlarmSAF1_DelayValue	I	0297	RW		1	Alarm setting	Alarm delay alarm supply air fan 1	
AlaData.Ala_AlarmSAF2_DelayValue	I	0298	RW		1	Alarm setting	Alarm delay alarm supply air fan 2	
AlaData.Ala_AlarmSAF3_DelayValue	I	0299	RW		1	Alarm setting	Alarm delay alarm supply air fan 3	
AlaData.Ala_AlarmSAF4_DelayValue	I	0300	RW		1	Alarm setting	Alarm delay alarm supply air fan 4	
AlaData.Ala_AlarmSAF5_DelayValue	I	0301	RW		1	Alarm setting	Alarm delay alarm supply air fan 5	
AlaData.Ala_AlarmEAF1_DelayValue	I	0302	RW		1	Alarm setting	Alarm delay alarm extract air fan 1	
AlaData.Ala_AlarmEAF2_DelayValue	I	0303	RW		1	Alarm setting	Alarm delay alarm extract air fan 2	
AlaData.Ala_AlarmEAF3_DelayValue	I	0304	RW		1	Alarm setting	Alarm delay alarm extract air fan 3	
AlaData.Ala_AlarmEAF4_DelayValue	I	0305	RW		1	Alarm setting	Alarm delay alarm extract air fan 4	
AlaData.Ala_AlarmEAF5_DelayValue	I	0306	RW		1	Alarm setting	Alarm delay alarm extract air fan 5	
AlaData.Ala_WarningSAF1_DelayValue	I	0307	RW		1	Alarm setting	Alarm delay warning supply air fan 1	
AlaData.Ala_WarningSAF2_DelayValue	I	0308	RW		1	Alarm setting	Alarm delay warning supply air fan 2	
AlaData.Ala_WarningSAF3_DelayValue	I	0309	RW		1	Alarm setting	Alarm delay warning supply air fan 3	
AlaData.Ala_WarningSAF4_DelayValue	I	0310	RW		1	Alarm setting	Alarm delay warning supply air fan 4	
AlaData.Ala_WarningSAF5_DelayValue	I	0311	RW		1	Alarm setting	Alarm delay warning supply air fan 5	
AlaData.Ala_WarningEAF1_DelayValue	I	0312	RW		1	Alarm setting	Alarm delay warning extract air fan 1	
AlaData.Ala_WarningEAF2_DelayValue	I	0313	RW		1	Alarm setting	Alarm delay warning extract air fan 2	
AlaData.Ala_WarningEAF3_DelayValue	I	0314	RW		1	Alarm setting	Alarm delay warning extract air fan 3	
AlaData.Ala_WarningEAF4_DelayValue	I	0315	RW		1	Alarm setting	Alarm delay warning extract air fan 4	
AlaData.Ala_WarningEAF5_DelayValue	I	0316	RW		1	Alarm setting	Alarm delay warning extract air fan 5	
AlaData.Ala_ExternalRunSAF_DelayValue	I	0317	RW		1	Alarm setting	Alarm delay external operation supply air fan	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_ExternalRunEAF_DelayValue	I	0318	RW		1		Alarm setting	Alarm delay external operation extract air fan	
AlaData.Ala_ExternalRunMotor1_DelayValue	I	0319	RW		1		Alarm setting	Alarm delay extra fan motor 1 running	
AlaData.Ala_ExternalRunMotor2_DelayValue	I	0320	RW		1		Alarm setting	Alarm delay extra fan motor 2 running	
AlaData.Ala_MalfunctionPumpHeater_DelayValue	I	0321	RW		1		Alarm setting	Alarm delay malfunction pump heater	
AlaData.Ala_MalfunctionPumpCooler_DelayValue	I	0322	RW		1		Alarm setting	Alarm delay malfunction pump cooler	
AlaData.Ala_MalfunctionPumpExchanger_DelayValue	I	0323	RW		1		Alarm setting	Alarm delay malfunction pump exchanger	
AlaData.Ala_MalfunctionFireDamper_DelayValue	I	0324	RW		1		Alarm setting	Alarm delay malfunction fire damper	
AlaData.Ala_MalfunctionDamper_DelayValue	I	0325	RW		1		Alarm setting	Alarm delay malfunction damper	
AlaData.Ala_MalfunctionMotor1_DelayValue	I	0326	RW		1		Alarm setting	Alarm delay malfunction extra fan motor 1	
AlaData.Ala_MalfunctionMotor2_DelayValue	I	0327	RW		1		Alarm setting	Alarm delay malfunction extra fan motor 2	
AlaData.Ala_FireDamperExerciseStop_DelayValue	I	0328	RW		1		Alarm setting	Alarm delay fire damper exercise stop	
AlaData.Ala_MalfunctionPumpSequence1_DelayValue	I	0329	RW		1		Alarm setting	Alarm delay malfunction pump sequence-A	
AlaData.Ala_MalfunctionPumpSequence2_DelayValue	I	0330	RW		1		Alarm setting	Alarm delay malfunction pump sequence-B	
AlaData.Ala_MalfunctionPumpSequence3_DelayValue	I	0331	RW		1		Alarm setting	Alarm delay malfunction pump sequence-C	
AlaData.Ala_MalfunctionPumpSequence4_DelayValue	I	0332	RW		1		Alarm setting	Alarm delay malfunction pump sequence-D	
AlaData.Ala_MalfunctionPumpSequence5_DelayValue	I	0333	RW		1		Alarm setting	Alarm delay malfunction pump sequence-E	
AlaData.Ala_MalfunctionPumpSequence6_DelayValue	I	0334	RW		1		Alarm setting	Alarm delay malfunction pump sequence-F	
AlaData.Ala_MalfunctionPumpSequence7_DelayValue	I	0335	RW		1		Alarm setting	Alarm delay malfunction pump sequence-G	
AlaData.Ala_MalfunctionPumpSequence8_DelayValue	I	0336	RW		1		Alarm setting	Alarm delay malfunction pump sequence-H	
AlaData.Ala_MalfunctionPumpSequence9_DelayValue	I	0337	RW		1		Alarm setting	Alarm delay malfunction pump sequence-I	
AlaData.Ala_MalfunctionPumpSequence10_DelayValue	I	0338	RW		1		Alarm setting	Alarm delay malfunction pump sequence-J	
AlaData.Ala_FilterGuard1_DelayValue	I	0339	RW		1		Alarm setting	Alarm delay filter alarm supply air	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_FilterGuard2_DelayValue	I	0340	RW		1		Alarm setting	Alarm delay filter alarm extract air	
AlaData.Ala_FlowGuard_DelayValue	I	0341	RW		1		Alarm setting	Alarm delay alarm low air flow	
AlaData.Ala_ExternalFrostGuard_DelayValue	I	0342	RW		1		Alarm setting	Alarm delay freeze protection guard	
AlaData.Ala_DeicingGuard_DelayValue	I	0343	RW		1		Alarm setting	Alarm delay defrosting guard exchanger	
AlaData.Ala_FireAlarm_DelayValue	I	0344	RW		1		Alarm setting	Alarm delay fire alarm	
AlaData.Ala_SmokeAlarm_DelayValue	I	0345	RW		1		Alarm setting	Alarm delay smoke alarm	
AlaData.Ala_ExternalSwitch_DelayValue	I	0346	RW		1		Alarm setting	Alarm delay external stop	
AlaData.Ala_ExternalAlarm_DelayValue	I	0347	RW		1		Alarm setting	Alarm delay external alarm	
AlaData.Ala_ServiceStop_DelayValue	I	0348	RW		1		Alarm setting	Alarm delay service stop	
AlaData.Ala_ElectricOverheat_DelayValue	I	0349	RW		1		Alarm setting	Alarm delay electric heater is overheated	
AlaData.Ala_FrostRisk_DelayValue	I	0350	RW		1		Alarm setting	Alarm delay warning freeze protection	
AlaData.Ala_LowEfficiency_DelayValue	I	0351	RW		1		Alarm setting	Alarm delay low efficiency exchanger	
AlaData.Ala_AnalogueDeicing_DelayValue	I	0352	RW		1		Alarm setting	Alarm delay defrosting alarm	
AlaData.Ala_RotationguardExchanger_DelayValue	I	0353	RW		1		Alarm setting	Alarm delay rotary exchanger alarm	
AlaData.Ala_ExtraAlarm1_DelayValue	I	0354	RW		1		Alarm setting	Alarm delay extra alarm 1	
AlaData.Ala_ExtraAlarm2_DelayValue	I	0355	RW		1		Alarm setting	Alarm delay extra alarm 2	
AlaData.Ala_ExtraAlarm3_DelayValue	I	0356	RW		1		Alarm setting	Alarm delay extra alarm 3	
AlaData.Ala_ExtraAlarm4_DelayValue	I	0357	RW		1		Alarm setting	Alarm delay extra alarm 4	
AlaData.Ala_ExtraAlarm5_DelayValue	I	0358	RW		1		Alarm setting	Alarm delay extra alarm 5	
AlaData.Ala_ExtraAlarm6_DelayValue	I	0359	RW		1		Alarm setting	Alarm delay extra alarm 6	
AlaData.Ala_ExtraAlarm7_DelayValue	I	0360	RW		1		Alarm setting	Alarm delay extra alarm 7	
AlaData.Ala_ExtraAlarm8_DelayValue	I	0361	RW		1		Alarm setting	Alarm delay extra alarm 8	



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AlaData.Ala_ExtraAlarm9_DelayValue	I	0362	RW		1		Alarm setting	Alarm delay extra alarm 9	
AlaData.Ala_ExtraAlarm10_DelayValue	I	0363	RW		1		Alarm setting	Alarm delay extra alarm 10	
AlaData.Ala_BatteryFail_DelayValue	I	0364	RW		1		Alarm setting	Alarm delay internal battery error	
AlaData.Ala_Service_DelayValue	I	0365	RW		1		Alarm setting	Alarm delay alarm service interval	
AlaData.Ala_RestartBlocked_DelayValue	I	0366	RW		1		Alarm setting	Alarm delay restart blocked after power on	
AlaData.Ala_ControlErrorSupplyTemp_DelayValue	I	0367	RW		1		Alarm setting	Alarm delay deviation alarm supply air temperature	
AlaData.Ala_ControlErrorSAF_DelayValue	I	0368	RW		1		Alarm setting	Alarm delay deviation alarm supply air fan	
AlaData.Ala_ControlErrorEAF_DelayValue	I	0369	RW		1		Alarm setting	Alarm delay deviation alarm extract air fan	
AlaData.Ala_ControlErrorHumidity_DelayValue	I	0370	RW		1		Alarm setting	Alarm delay deviation alarm humidity control	
AlaData.Ala_ControlErrorExtraController_DelayValue	I	0371	RW		1		Alarm setting	Alarm delay deviation alarm extra controller	
AlaData.Ala_HighTempSupply_DelayValue	I	0372	RW		1		Alarm setting	Alarm delay high supply air temperature	
AlaData.Ala_LowTempSupply_DelayValue	I	0373	RW		1		Alarm setting	Alarm delay low supply air temperature	
AlaData.Ala_MaxLimitTempSupply_DelayValue	I	0374	RW		1		Alarm setting	Alarm delay supply air temperature max limit	
AlaData.Ala_MinLimitTempSupply_DelayValue	I	0375	RW		1		Alarm setting	Alarm delay supply air temperature min limit	
AlaData.Ala_HighTempRoom_DelayValue	I	0376	RW		1		Alarm setting	Alarm delay high room temperature	
AlaData.Ala_LowTempRoom_DelayValue	I	0377	RW		1		Alarm setting	Alarm delay low room temperature	
AlaData.Ala_HighTempExtract_DelayValue	I	0378	RW		1		Alarm setting	Alarm delay high extract air temperature	
AlaData.Ala_LowTempExtract_DelayValue	I	0379	RW		1		Alarm setting	Alarm delay low extract air temperature	
AlaData.Ala_HighTempOutdoor_DelayValue	I	0380	RW		1		Alarm setting	Alarm delay high outdoor air temperature	
AlaData.Ala_LowTempOutdoor_DelayValue	I	0381	RW		1		Alarm setting	Alarm delay low outdoor air temperature	
AlaData.Ala_LowTempFrostGuard1_DelayValue	I	0382	RW		1		Alarm setting	Alarm delay freeze protection alarm 1	



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AlaData.Ala_LowTempFrostGuard2_DelayValue	I	0383	RW		1		Alarm setting	Alarm delay freeze protection alarm 2	
AlaData.Ala_LowTempFrostGuard3_DelayValue	I	0384	RW		1		Alarm setting	Alarm delay freeze protection alarm 3	
AlaData.Ala_HighTempExtraSensor1_DelayValue	I	0385	RW		1		Alarm setting	Alarm delay high temperature extra sensor 1	
AlaData.Ala_LowTempExtraSensor1_DelayValue	I	0386	RW		1		Alarm setting	Alarm delay low temperature extra sensor 1	
AlaData.Ala_HighTempExtraSensor2_DelayValue	I	0387	RW		1		Alarm setting	Alarm delay high temperature extra sensor 2	
AlaData.Ala_LowTempExtraSensor2_DelayValue	I	0388	RW		1		Alarm setting	Alarm delay low temperature extra sensor 2	
AlaData.Ala_HighTempExtraSensor3_DelayValue	I	0389	RW		1		Alarm setting	Alarm delay high temperature extra sensor 3	
AlaData.Ala_LowTempExtraSensor3_DelayValue	I	0390	RW		1		Alarm setting	Alarm delay low temperature extra sensor 3	
AlaData.Ala_HighTempExtraSensor4_DelayValue	I	0391	RW		1		Alarm setting	Alarm delay high temperature extra sensor 4	
AlaData.Ala_LowTempExtraSensor4_DelayValue	I	0392	RW		1		Alarm setting	Alarm delay low temperature extra sensor 4	
AlaData.Ala_HighTempExtraSensor5_DelayValue	I	0393	RW		1		Alarm setting	Alarm delay high temperature extra sensor 5	
AlaData.Ala_LowTempExtraSensor5_DelayValue	I	0394	RW		1		Alarm setting	Alarm delay low temperature extra sensor 5	
AlaData.Ala_HighTempSelectedSensor1_DelayValue	I	0395	RW		1		Alarm setting	Alarm delay high temperature selected sensor 1	
AlaData.Ala_LowTempSelectedSensor1_DelayValue	I	0396	RW		1		Alarm setting	Alarm delay low temperature selected sensor 1	
AlaData.Ala_HighTempSelectedSensor2_DelayValue	I	0397	RW		1		Alarm setting	Alarm delay high temperature selected sensor 2	
AlaData.Ala_LowTempSelectedSensor2_DelayValue	I	0398	RW		1		Alarm setting	Alarm delay low temperature selected sensor 2	
AlaData.Ala_ManualControlUnit_DelayValue	I	0399	RW		1		Alarm setting	Alarm delay manual operation air handling unit	
AlaData.Ala_ManualControlSupply_DelayValue	I	0400	RW		1		Alarm setting	Alarm delay manual operation supply air	
AlaData.Ala_ManualControlSAF_DelayValue	I	0401	RW		1		Alarm setting	Alarm delay manual operation supply air fan	
AlaData.Ala_ManualControlEAF_DelayValue	I	0402	RW		1		Alarm setting	Alarm delay manual operation extract air fan	
AlaData.Ala_ManualControlHeater_DelayValue	I	0403	RW		1		Alarm setting	Alarm delay manual operation heater	
AlaData.Ala_ManualControlExchanger_DelayValue	I	0404	RW		1		Alarm setting	Alarm delay manual operation exchanger	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
AlaData.Ala_ManualControlCooler_DelayValue	I	0405	RW		1		Alarm setting	Alarm delay manual operation cooler	
AlaData.Ala_ManualControlDamper_DelayValue	I	0406	RW		1		Alarm setting	Alarm delay manual operation damper	
AlaData.Ala_ManualControlPumpHeater_DelayValue	I	0407	RW		1		Alarm setting	Alarm delay manual operation pump heater	
AlaData.Ala_ManualControlPumpExchanger_DelayValue	I	0408	RW		1		Alarm setting	Alarm delay manual operation pump exchanger	
AlaData.Ala_ManualControlPumpCooler_DelayValue	I	0409	RW		1		Alarm setting	Alarm delay manual operation pump cooler	
AlaData.Ala_ManualControlDamperRecirculation_DelayValue	I	0410	RW		1		Alarm setting	Alarm delay manual operation damper recirculation	
AlaData.Ala_ManualControlDamperOutdoor_DelayValue	I	0411	RW		1		Alarm setting	Alarm delay manual operation damper outdoor air	
AlaData.Ala_ManualControlDamperExhaust_DelayValue	I	0412	RW		1		Alarm setting	Alarm delay manual operation damper exhaust air	
AlaData.Ala_ManualControlDamperFire_DelayValue	I	0413	RW		1		Alarm setting	Alarm delay manual operation fire damper	
AlaData.Ala_ManualControlSequence1_DelayValue	I	0414	RW		1		Alarm setting	Alarm delay manual control sequence-A	
AlaData.Ala_ManualControlSequence2_DelayValue	I	0415	RW		1		Alarm setting	Alarm delay manual control sequence-B	
AlaData.Ala_ManualControlSequence3_DelayValue	I	0416	RW		1		Alarm setting	Alarm delay manual control sequence-C	
AlaData.Ala_ManualControlSequence4_DelayValue	I	0417	RW		1		Alarm setting	Alarm delay manual control sequence-D	
AlaData.Ala_ManualControlSequence5_DelayValue	I	0418	RW		1		Alarm setting	Alarm delay manual control sequence-E	
AlaData.Ala_ManualControlSequence6_DelayValue	I	0419	RW		1		Alarm setting	Alarm delay manual control sequence-F	
AlaData.Ala_ManualControlSequence7_DelayValue	I	0420	RW		1		Alarm setting	Alarm delay manual control sequence-G	
AlaData.Ala_ManualControlSequence8_DelayValue	I	0421	RW		1		Alarm setting	Alarm delay manual control sequence-H	
AlaData.Ala_ManualControlSequence9_DelayValue	I	0422	RW		1		Alarm setting	Alarm delay manual control sequence-I	
AlaData.Ala_ManualControlSequence10_DelayValue	I	0423	RW		1		Alarm setting	Alarm delay manual control sequence-J	
AlaData.Ala_ManualControlOutput_DelayValue	I	0424	RW		1		Alarm setting	Alarm delay output in manual operation	



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AlaData.Ala_ManualControlInput_DelayValue	I	0425	RW		1		Alarm setting	Alarm delay input in manual operation	
AlaData.Ala_ManualControlExtraController_DelayValue	I	0426	RW		1		Alarm setting	Alarm delay manual operation extra controller	
AlaData.Ala_ManualControlMotor1_DelayValue	I	0427	RW		1		Alarm setting	Alarm delay manual operation external fan motor 1	
AlaData.Ala_ManualControlMotor2_DelayValue	I	0428	RW		1		Alarm setting	Alarm delay manual operation external fan motor 2	
AlaData.Ala_ManualControlPretreatment_DelayValue	I	0429	RW		1		Alarm setting	Alarm delay manual operation pretreatment	
AlaData.Ala_SensorErrorTempOutdoor_DelayValue	I	0430	RW		1		Alarm setting	Alarm delay sensor error outdoor air temperature	
AlaData.Ala_SensorErrorTempIntake_DelayValue	I	0431	RW		1		Alarm setting	Alarm delay sensor error intake air temperature	
AlaData.Ala_SensorErrorTempSupply_DelayValue	I	0432	RW		1		Alarm setting	Alarm delay sensor error supply air temperature	
AlaData.Ala_SensorErrorTempExhaust_DelayValue	I	0433	RW		1		Alarm setting	Alarm delay sensor error exhaust air temperature	
AlaData.Ala_SensorErrorTempExtract_DelayValue	I	0434	RW		1		Alarm setting	Alarm delay sensor error extract air temperature	
AlaData.Ala_SensorErrorTempRoom1_DelayValue	I	0435	RW		1		Alarm setting	Alarm delay sensor error room temperature 1	
AlaData.Ala_SensorErrorTempRoom2_DelayValue	I	0436	RW		1		Alarm setting	Alarm delay sensor error room temperature 2	
AlaData.Ala_SensorErrorTempRoom3_DelayValue	I	0437	RW		1		Alarm setting	Alarm delay sensor error room temperature 3	
AlaData.Ala_SensorErrorTempRoom4_DelayValue	I	0438	RW		1		Alarm setting	Alarm delay sensor error room temperature 4	
AlaData.Ala_SensorErrorPressureSAF_DelayValue	I	0439	RW		1		Alarm setting	Alarm delay sensor error pressure supply air	
AlaData.Ala_SensorErrorPressureEAF_DelayValue	I	0440	RW		1		Alarm setting	Alarm delay sensor error pressure extract air	
AlaData.Ala_SensorErrorFlowSAF_DelayValue	I	0441	RW		1		Alarm setting	Alarm delay sensor error flow supply air	
AlaData.Ala_SensorErrorFlowEAF_DelayValue	I	0442	RW		1		Alarm setting	Alarm delay sensor error flow extract air	



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AlaData.Ala_SensorPressureExchangerSAF_DelayValue	I	0443	RW		1		Alarm setting	Alarm delay sensor error flow exchanger supply air	
AlaData.Ala_SensorPressureExchangerEAF_DelayValue	I	0444	RW		1		Alarm setting	Alarm delay sensor error pressure exchanger extract air	
AlaData.Ala_SensorErrorTempDeicing_DelayValue	I	0445	RW		1		Alarm setting	Alarm delay sensor error defrosting temperature	
AlaData.Ala_SensorErrorTempFrost1_DelayValue	I	0446	RW		1		Alarm setting	Alarm delay sensor error freeze protection temperature 1	
AlaData.Ala_SensorErrorTempFrost2_DelayValue	I	0447	RW		1		Alarm setting	Alarm delay sensor error freeze protection temperature 2	
AlaData.Ala_SensorErrorTempFrost3_DelayValue	I	0448	RW		1		Alarm setting	Alarm delay sensor error freeze protection temperature 3	
AlaData.Ala_SensorErrorCO2_DelayValue	I	0449	RW		1		Alarm setting	Alarm delay sensor error CO2 room/extract air	
AlaData.Ala_SensorErrorHumidityRoom_DelayValue	I	0450	RW		1		Alarm setting	Alarm delay sensor error humidity room/extract air	
AlaData.Ala_SensorErrorHumidityDuct_DelayValue	I	0451	RW		1		Alarm setting	Alarm delay sensor error humidity supply air	
AlaData.Ala_SensorErrorTempExtraController_DelayValue	I	0452	RW		1		Alarm setting	Alarm delay sensor error extra controller	
AlaData.Ala_SensorErrorExtCtrlSAF_DelayValue	I	0453	RW		1		Alarm setting	Alarm delay signal error external control supply air fan	
AlaData.Ala_SensorErrorExtCtrlEAF_DelayValue	I	0454	RW		1		Alarm setting	Alarm delay signal error external control extract air fan	
AlaData.Ala_SensorErrorHumidityOutdoor_DelayValue	I	0455	RW		1		Alarm setting	Alarm delay sensor error humidity outdoor	
AlaData.Ala_SensorErrorTempExtraSensor1_DelayValue	I	0456	RW		1		Alarm setting	Alarm delay sensor error extra sensor 1	
AlaData.Ala_SensorErrorTempExtraSensor2_DelayValue	I	0457	RW		1		Alarm setting	Alarm delay sensor error extra sensor 2	
AlaData.Ala_SensorErrorTempExtraSensor3_DelayValue	I	0458	RW		1		Alarm setting	Alarm delay sensor error extra sensor 3	



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AlaData.Ala_SensorErrorTempExtraSensor4_DelayValue	I	0459	RW		1		Alarm setting	Alarm delay sensor error extra sensor 4	
AlaData.Ala_SensorErrorTempExtraSensor5_DelayValue	I	0460	RW		1		Alarm setting	Alarm delay sensor error extra sensor 5	
AlaData.Ala_SensorErrorExtSupplySetp_DelayValue	I	0461	RW		1		Alarm setting	Alarm delay sensor error external temperature setpoint	
AlaData.Ala_SensorErrorExtFlowSetpoint_DelayValue	I	0462	RW		1		Alarm setting	Alarm delay signal error external flow setpoint	
AlaData.Ala_SensorErrorFilterGuard1_DelayValue	I	0463	RW		1		Alarm setting	Alarm delay sensor error pressure filter supply air	
AlaData.Ala_SensorErrorFilterGuard2_DelayValue	I	0464	RW		1		Alarm setting	Alarm delay sensor error pressure filter extract air	
AlaData.Ala_SensorErrorTempEfficiency_DelayValue	I	0465	RW		1		Alarm setting	Alarm delay sensor error efficiency temperature exchanger	
AlaData.Ala_CommErrorDevice_DelayValue	I	0466	RW		1		Alarm setting	Alarm delay communication fault device	
AlaData.Ala_MalfunctionExtraController_DelayValue	I	0467	RW		1		Alarm setting	Alarm delay malfunction extra controller	
AlaData.Ala_InternalError_DelayValue	I	0468	RW		1		Alarm setting	Alarm delay internal error	
AlaData.Ala_SmokeDetectorService_DelayValue	I	0469	RW		1		Alarm setting	Alarm delay service smoke detector	
AlaData.Ala_SmokeDetectorError_DelayValue	I	0470	RW		1		Alarm setting	Alarm delay connection error smoke detector	
AlaData.Ala_MalfunctionPreheater_DelayValue	I	0471	RW		1		Alarm setting	Alarm delay malfunction preheater	4.1-1-01
AlaData.Ala_CommunicationFaultBMS_DelayValue	I	0472	RW		1		Alarm setting	Alarm delay communication fault BMS master	4.1-1-01
AlaData.Ala_LeakageHeaterValve_DelayValue	I	0473	RW		1		Alarm setting	Alarm delay leakage heater valve	4.1-1-01
AlaData.Ala_SensorErrorTempPreheat_DelayValue	I	0474	RW		1	sec	Alarm setting	Alarm delay sensor error preheater temperature	4.1-1-00
AlaData.Ala_MalfunctionSAF6_DelayValue	I	0475	RW		1	sec	Alarm setting	Alarm delay malfunction supply air fan 6	4.3-1-00
AlaData.Ala_MalfunctionSAF7_DelayValue	I	0476	RW		1	sec	Alarm setting	Alarm delay malfunction supply air fan 7	4.3-1-00
AlaData.Ala_MalfunctionSAF8_DelayValue	I	0477	RW		1	sec	Alarm setting	Alarm delay Malfunction supply air fan 8	4.3-1-00



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AlaData.Ala_MalfunctionEAF6_DelayValue	I	0478	RW		1	sec	Alarm setting	Alarm delay malfunction extract air fan 6	4.3-1-00
AlaData.Ala_MalfunctionEAF7_DelayValue	I	0479	RW		1	sec	Alarm setting	Alarm delay malfunction extract air fan 7	4.3-1-00
AlaData.Ala_MalfunctionEAF8_DelayValue	I	0480	RW		1	sec	Alarm setting	Alarm delay malfunction extract air fan 8	4.3-1-00
AlaData.Ala_AlarmSAF6_DelayValue	I	0481	RW		1	sec	Alarm setting	Alarm delay alarm supply air fan 6	4.3-1-00
AlaData.Ala_AlarmSAF7_DelayValue	I	0482	RW		1	sec	Alarm setting	Alarm delay alarm supply air fan 7	4.3-1-00
AlaData.Ala_AlarmSAF8_DelayValue	I	0483	RW		1	sec	Alarm setting	Alarm delay alarm supply air fan 8	4.3-1-00
AlaData.Ala_AlarmEAF6_DelayValue	I	0484	RW		1	sec	Alarm setting	Alarm delay alarm extract air fan 6	4.3-1-00
AlaData.Ala_AlarmEAF7_DelayValue	I	0485	RW		1	sec	Alarm setting	Alarm delay alarm extract air fan 7	4.3-1-00
AlaData.Ala_AlarmEAF8_DelayValue	I	0486	RW		1	sec	Alarm setting	Alarm delay alarm extract air fan 8	4.3-1-00
AlaData.Ala_WarningSAF6_DelayValue	I	0487	RW		1	sec	Alarm setting	Alarm delay warning supply air fan 6	4.3-1-00
AlaData.Ala_WarningSAF7_DelayValue	I	0488	RW		1	sec	Alarm setting	Alarm delay warning supply air fan 7	4.3-1-00
AlaData.Ala_WarningSAF8_DelayValue	I	0489	RW		1	sec	Alarm setting	Alarm delay warning supply air fan 8	4.3-1-00
AlaData.Ala_WarningEAF6_DelayValue	I	0490	RW		1	sec	Alarm setting	Alarm delay warning extract air fan 6	4.3-1-00
AlaData.Ala_WarningEAF7_DelayValue	I	0491	RW		1	sec	Alarm setting	Alarm delay warning extract air fan 7	4.3-1-00
AlaData.Ala_WarningEAF8_DelayValue	I	0492	RW		1	sec	Alarm setting	Alarm delay warning extract air fan 8	4.3-1-00
AlaData.Ala_MalfunctionHeatingZone1_DelayValue	I	0493	RW		1	sec	Alarm setting	Alarm delay malfunction heating zone 1	4.3-1-00
AlaData.Ala_MalfunctionHeatingZone2_DelayValue	I	0494	RW		1	sec	Alarm setting	Alarm delay malfunction heating zone 2	4.3-1-00
AlaData.Ala_MalfunctionHeatingZone3_DelayValue	I	0495	RW		1	sec	Alarm setting	Alarm delay malfunction heating zone 3	4.3-1-00
AlaData.Ala_MalfunctionCoolingZone1_DelayValue	I	0496	RW		1	sec	Alarm setting	Alarm delay malfunction cooling zone 1	4.3-1-00
AlaData.Ala_MalfunctionCoolingZone2_DelayValue	I	0497	RW		1	sec	Alarm setting	Alarm delay malfunction cooling zone 2	4.3-1-00
AlaData.Ala_MalfunctionCoolingZone3_DelayValue	I	0498	RW		1	sec	Alarm setting	Alarm delay malfunction cooling zone 3	4.3-1-00



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AlaData.Ala_ControlErrorSupplyTempZone1_DelayValue	I	0499	RW		1	min	Alarm setting	Alarm delay deviation alarm supply temperature zone 1	4.3-1-00
AlaData.Ala_ControlErrorSupplyTempZone2_DelayValue	I	0500	RW		1	min	Alarm setting	Alarm delay deviation alarm supply temperature zone 2	4.3-1-00
AlaData.Ala_ControlErrorSupplyTempZone3_DelayValue	I	0501	RW		1	min	Alarm setting	Alarm delay deviation alarm supply temperature zone 3	4.3-1-00
AlaData.Ala_LowTempFrostGuardZone1_DelayValue	I	0502	RW		1	sec	Alarm setting	Alarm delay freeze protection alarm zone 1	4.3-1-00
AlaData.Ala_LowTempFrostGuardZone2_DelayValue	I	0503	RW		1	sec	Alarm setting	Alarm delay freeze protection alarm zone 2	4.3-1-00
AlaData.Ala_LowTempFrostGuardZone3_DelayValue	I	0504	RW		1	sec	Alarm setting	Alarm delay freeze protection alarm zone 3	4.3-1-00
AlaData.Ala_ElectricOverheatZone1_DelayValue	I	0505	RW		1	sec	Alarm setting	Alarm delay electric heater is overheated zone 1	4.3-1-00
AlaData.Ala_ElectricOverheatZone2_DelayValue	I	0506	RW		1	sec	Alarm setting	Alarm delay electric heater is overheated zone 2	4.3-1-00
AlaData.Ala_ElectricOverheatZone3_DelayValue	I	0507	RW		1	sec	Alarm setting	Alarm delay electric heater is overheated zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempSupplyZone1_DelayValue	I	0508	RW		1	sec	Alarm setting	Alarm delay sensor error supply air temp zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempSupplyZone2_DelayValue	I	0509	RW		1	sec	Alarm setting	Alarm delay sensor error supply air temp zone 2	4.3-1-00
AlaData.Ala_SensorErrorTempSupplyZone3_DelayValue	I	0510	RW		1	sec	Alarm setting	Alarm delay sensor error supply air temp zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempRoomZone1_DelayValue	I	0511	RW		1	sec	Alarm setting	Alarm delay sensor error room temp zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempRoomZone2_DelayValue	I	0512	RW		1	sec	Alarm setting	Alarm delay sensor error room temp zone 2	4.3-1-00
AlaData.Ala_SensorErrorTempRoomZone3_DelayValue	I	0513	RW		1	sec	Alarm setting	Alarm delay sensor error room temp zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempExtractZone1_DelayValue	I	0514	RW		1	sec	Alarm setting	Alarm delay sensor error extract temp zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempExtractZone2_DelayValue	I	0515	RW		1	sec	Alarm setting	Alarm delay sensor error extract temp zone 2	4.3-1-00

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AlaData.Ala_SensorErrorTempExtractZone3_DelayValue	I	0516	RW		1	sec	Alarm setting	Alarm delay sensor error extract temp zone 3	4.3-1-00
AlaData.Ala_SensorErrorTempFrostZone1_DelayValue	I	0517	RW		1	sec	Alarm setting	Alarm delay sensor error freeze protection zone 1	4.3-1-00
AlaData.Ala_SensorErrorTempFrostZone2_DelayValue	I	0518	RW		1	sec	Alarm setting	Alarm delay sensor error freeze protection zone 2	4.3-1-00
AlaData.Ala_SensorErrorTempFrostZone3_DelayValue	I	0519	RW		1	sec	Alarm setting	Alarm delay sensor error freeze protection zone 3	4.3-1-00
AlaData.Ala_DeviceWarning_DelayValue	I	0523	RW		1	sec	Alarm setting	Alarm delay device warning	4.4-1-00
AlaData.Ala_DeviceAlarm_DelayValue	I	0524	RW		1	sec	Alarm setting	Alarm delay device alarm	4.4-1-00
VentSettings.S_AirFlowK(10)	R	0537	RW	AV, 30537	10		Flow calculation	K-constant for calculating air flow: SAF pressure airflow = S_AirFlowK * A_AI_SAFPressure^S_AirFlowx	
VentSettings.S_AirFlowX(10)	R	0538	RW	AV, 30538	100		Flow calculation	X-constant for calculating air flow: SAF pressure	
VentSettings.S_AirFlowK(11)	R	0539	RW	AV, 30539	10		Flow calculation	K-constant for calculating air flow: EAF pressure	
VentSettings.S_AirFlowX(11)	R	0540	RW	AV, 30540	100		Flow calculation	X-constant for calculating air flow: EAF pressure	
VentSettings.S_AirFlowK(12)	R	0541	RW	AV, 30541	10		Flow calculation	K-constant for calculating air flow: Supply air flow	
VentSettings.S_AirFlowX(12)	R	0542	RW	AV, 30542	100		Flow calculation	X-constant for calculating air flow: Supply air flow	
VentSettings.S_AirFlowK(13)	R	0543	RW	AV, 30543	10		Flow calculation	K-constant for calculating air flow: Extract air flow	
VentSettings.S_AirFlowX(13)	R	0544	RW	AV, 30544	100		Flow calculation	X-constant for calculating air flow: Extract air flow	
VentSettings.S_AirFlowK(14)	R	0545	RW	AV, 30545	10		Flow calculation	K-constant for calculating air flow: Exchanger supply flow	

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VentSettings.S_AirFlowX(14)	R	0546	RW	AV, 30546	100		Flow calculation	X-constant for calculating air flow: Exchanger supply flow	
VentSettings.S_AirFlowK(15)	R	0547	RW	AV, 30547	10		Flow calculation	K-constant for calculating air flow: Exchanger extract pressure	
VentSettings.S_AirFlowX(15)	R	0548	RW	AV, 30548	0		Flow calculation	X-constant for calculating air flow: Exchanger extract pressure	
VentSettings.S_DOSelect_SeqPumpY1(0)	X	0549	RW	MSV, 30549	1		Operation override	Running mode pump sequence-A Modbus 0=Manual off 1=Manual on 2=Auto Bacnet +1 offset for corresponding Modbus	
VentSettings.S_DOSelect_SeqPumpY2	X	0550	RW	MSV, 30550	1		Operation override	Running mode pump sequence-B (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY3	X	0551	RW	MSV, 30551	1		Operation override	Running mode pump sequence-C (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY4	X	0552	RW	MSV, 30552	1		Operation override	Running mode pump sequence-D (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY5	X	0553	RW	MSV, 30553	1		Operation override	Running mode pump sequence-E (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY6	X	0554	RW	MSV, 30554	1		Operation override	Running mode pump sequence-F (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY7	X	0555	RW	MSV, 30555	1		Operation override	Running mode pump sequence-G (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY8	X	0556	RW	MSV, 30556	1		Operation override	Running mode pump sequence-H (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY9	X	0557	RW	MSV, 30557	1		Operation override	Running mode pump sequence-I (See signal list for DOSelect_SeqPumpY1(0))	
VentSettings.S_DOSelect_SeqPumpY10	X	0558	RW	MSV, 30558	1		Operation override	Running mode pump sequence-J (See signal list for DOSelect_SeqPumpY1(0))	

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VentSettings.S_DOSelect_RecirculationAirDamper	X	0559	RW	MSV, 30559	1		Operation override	Running mode recirculation damper: Modbus 0=Close 1=Open 2=Auto Bacnet +1 offset for corresponding Modbus	
VentSettings.S_DOSelect_OutdoorAirDamper	X	0560	RW	MSV, 30560	1		Operation override	Running mode outdoor air damper: (See signal list for DOSelect_RecirculationAirDamper)	
VentSettings.S_DOSelect_ExhaustAirDamper	X	0561	RW	MSV, 30561	1		Operation override	Running mode exhaust air damper: (See signal list for DOSelect_RecirculationAirDamper)	
VentSettings.S_DOSelect_HumidityStart	X	0562	RW	MSV, 30562	1		Operation override	Running mode humidity start signal (See signal list for DOSelect_RecirculationAirDamper)	
VentSettings.S_DOSelect_ChangeOver1	X	0563	RW	MSV, 30563	1		Operation override	Select changeOver 1 External Modbus 0=Heating 1=Cooling 2=Auto Bacnet +1 offset for corresponding Modbus	
VentSettings.S_DOSelect_ChangeOver2	X	0564	RW	MSV, 30564	1		Operation override	Select changeOver 2 External (See signal list for DOSelect_ChangeOver1)	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentSettings.S_AirUnitAutoMode	X	0565	RW	MSV, 30565	1		Operation override	Running mode air handling unit: Modbus 0=Off 1=Manual mode 2=Auto 3=Low speed 4=Normal speed 5=High speed Bacnet +1 offset for corresponding Modbus	
VentSettings.S_AirUnitManual	X	0566	RW	MSV, 30566	1		Operation override	Mode selection for air handling unit in running mode: manual mode Modbus 0=Stop 1=Starting up 2=Low speed run 3=Normal speed run 4=High speed run 5=Heating support run 6=Cooling support run 7=CO ₂ Run 8=Free cool run 9=Fan stop run 10=Fire run 11=Smoke run 12=Recirculation run 13=DeIcing run Bacnet +1 offset for corresponding Modbus	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentSettings.S_SAFAutoMode	X	0567	RW	MSV, 30567	1		Operation override	Running mode supply air fan: 0=Off, 1=Manual output, 2=Auto, 3=Manual setpoint, 4=Low speed, 5=Normal speed, 6=High speed Bacnet +1 offset for corresponding Modbus	
VentSettings.S_SAFManualSetpoint	R	0568	RW	AV, 30568	10	P/Q	Operation override	Manual setpoint supply air fan if running mode: Manual setpoint	
VentSettings.S_SAFManualOutput	R	0569	RW	AV, 30569	10	%	Operation override	Manual output supply air fan if running mode: Manual output	
VentSettings.S_EAFAutoMode	X	0570	RW	MSV, 30570	1		Operation override	Running mode extract air fan: (See signal list for SAFAutoMode)	
VentSettings.S_EAFManualSetpoint	R	0571	RW	AV, 30571	10	P/Q	Operation override	Manual setpoint extract air fan if running mode: Manual setpoint	
VentSettings.S_EAFManualOutput	R	0572	RW	AV, 30572	10	%	Operation override	Manual output extract air fan if running mode: Manual output	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentSettings.S_ExternalControl	X	0573	RW	MSV, 30573	1		Operation override	External control: Modbus 0=No External control, 1=Extended run speed 1, 2=Extended run speed 2, 3=Extended run speed 3, 4=External stop, 5=External stop with support control, 6=Start Free cooling, 7 = Recirculation Bacnet +1 offset for corresponding Modbus	
VentSettings.S_AirUnitServiceStop	X	0574	RW	MSV, 30574	1		Operation override	Stop the air handling unit with No 1 prio. Modbus 0 = No 1 = Yes Bacnet +1 offset for corresponding Modbus	
VentSettings.S_SeqPumpOutdLimitYx(1)	R	0575	RW	AV, 30575	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-A	
VentSettings.S_SeqPumpOutdLimitYx(2)	R	0576	RW	AV, 30576	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-B	
VentSettings.S_SeqPumpOutdLimitYx(3)	R	0577	RW	AV, 30577	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-C	
VentSettings.S_SeqPumpOutdLimitYx(4)	R	0578	RW	AV, 30578	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-D	
VentSettings.S_SeqPumpOutdLimitYx(5)	R	0579	RW	AV, 30579	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-E	
VentSettings.S_SeqPumpOutdLimitYx(6)	R	0580	RW	AV, 30580	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-F	

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VentSettings.S_SeqPumpOutdLimitYx(7)	R	0581	RW	AV, 30581	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-G	
VentSettings.S_SeqPumpOutdLimitYx(8)	R	0582	RW	AV, 30582	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-H	
VentSettings.S_SeqPumpOutdLimitYx(9)	R	0583	RW	AV, 30583	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-I	
VentSettings.S_SeqPumpOutdLimitYx(10)	R	0584	RW	AV, 30584	10		Unit setting	Outdoor temperature limit to allow pump stop sequence-J	
VentSettings.S_VentControl	X	0585	RW	MSV, 30585	1		Temperature setting	Select temperature control type: Modbus 0=Supply air 1=Supply air outdoor compensated 2=Room cascade 3=Extract air cascade 4=Room (summer) else supply air 5=Extract air (summer) else supply air 6=Room cascade outdoor compensated 7=Extract air cascade outdoor compensated 8=Extract air dependent supply air temperature Bacnet +1 offset for corresponding Modbus	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentSettings.S_FanType	X	0586	RW	MSV, 30586	1		Fan setting	Select fan control type: Modbus 0=Pressure 1=Flow 2=Manual 3=External 4=Supply air pressure with extract air fan slave 5=Supply air pressure with extract air flow slave 6=Extract air pressure with supply air fan slave 7=Extract air pressure with supply air flow slave Bacnet +1 offset for corresponding Modbus	
VentSettings.S_SupplySetpoint	R	0588	RW	AV, 30588	10		Temperature setting	Setpoint supply air temperature when constant supply air temperature function	
VentSettings.S_ExtractSetpoint	R	0589	RW	AV, 30589	10		Temperature setting	Setpoint extract air temperature if extract control	
VentSettings.S_SupplySetpointMax	R	0590	RW	AV, 30590	10		Temperature setting	Max limit supply temperature setpoint if cascade control	
VentSettings.S_SupplySetpointMin	R	0591	RW	AV, 30591	10		Temperature setting	Min limit supply temperature setpoint if cascade control	
VentSettings.S_SupplySetpOffsetLow	R	0592	RW	AV, 30592	10		Temperature setting	Offset temperature setpoint if low speed	
VentSettings.S_SupplySetpOffsetHigh	R	0593	RW	AV, 30593	10		Temperature setting	Offset temperature setpoint if high speed	
VentSettings.S_Curve1_X1	R	0594	RW	AV, 30594	10	T	Temperature setting	Outdoor compensation curve point 1 sensor value	
VentSettings.S_Curve1_X2	R	0595	RW	AV, 30595	10	T	Temperature setting	Outdoor compensation curve point 2 sensor value	



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VentSettings.S_Curve1_X3	R	0596	RW	AV, 30596	10	T	Temperature setting	Outdoor compensation curve point 3 sensor value	
VentSettings.S_Curve1_X4	R	0597	RW	AV, 30597	10	T	Temperature setting	Outdoor compensation curve point 4 sensor value	
VentSettings.S_Curve1_X5	R	0598	RW	AV, 30598	10	T	Temperature setting	Outdoor compensation curve point 5 sensor value	
VentSettings.S_Curve1_X6	R	0599	RW	AV, 30599	10	T	Temperature setting	Outdoor compensation curve point 6 sensor value	
VentSettings.S_Curve1_X7	R	0600	RW	AV, 30600	10	T	Temperature setting	Outdoor compensation curve point 7 sensor value	
VentSettings.S_Curve1_X8	R	0601	RW	AV, 30601	10	T	Temperature setting	Outdoor compensation curve point 8 sensor value	
VentSettings.S_Curve1_Y1	R	0602	RW	AV, 30602	10	T	Temperature setting	Outdoor compensation curve point 1 setpoint	
VentSettings.S_Curve1_Y2	R	0603	RW	AV, 30603	10	T	Temperature setting	Outdoor compensation curve point 2 setpoint	
VentSettings.S_Curve1_Y3	R	0604	RW	AV, 30604	10	T	Temperature setting	Outdoor compensation curve point 3 setpoint	
VentSettings.S_Curve1_Y4	R	0605	RW	AV, 30605	10	T	Temperature setting	Outdoor compensation curve point 4 setpoint	
VentSettings.S_Curve1_Y5	R	0606	RW	AV, 30606	10	T	Temperature setting	Outdoor compensation curve point 5 setpoint	
VentSettings.S_Curve1_Y6	R	0607	RW	AV, 30607	10	T	Temperature setting	Outdoor compensation curve point 6 setpoint	
VentSettings.S_Curve1_Y7	R	0608	RW	AV, 30608	10	T	Temperature setting	Outdoor compensation curve point 7 setpoint	
VentSettings.S_Curve1_Y8	R	0609	RW	AV, 30609	10	T	Temperature setting	Outdoor compensation curve point 8 setpoint	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentSettings.S_SAFSetpointSelect	X	0610	RW	MSV, 30610	1		Fan setting	Setpoint selection supply air fan: Modbus 0=Constant setpoints 1=Offset of normal speed setpoint Bacnet +1 offset for corresponding Modbus	
VentSettings.S_EAFSetpointSelect	X	0611	RW	MSV, 30611	1		Fan setting	Setpoint selection extract air fan: (See signal list for SAFSetpointSelect)	
VentSettings.S_SAFLowSpeedPressure(0)	R	0612	RW	AV, 30612	10	P	Fan setting	Pressure setpoint supply air fan low speed	
VentSettings.S_SAFNormalSpeedPressure	R	0613	RW	AV, 30613	10	P	Fan setting	Pressure setpoint supply air fan normal speed	
VentSettings.S_SAFHighSpeedPressure	R	0614	RW	AV, 30614	10	P	Fan setting	Pressure setpoint supply air fan high speed	
VentSettings.S_EAFLowSpeedPressure(0)	R	0615	RW	AV, 30615	10	P	Fan setting	Pressure setpoint extract air fan low speed	
VentSettings.S_EAFNormalSpeedPressure	R	0616	RW	AV, 30616	10	P	Fan setting	Pressure setpoint extract air fan normal speed	
VentSettings.S_EAFHighSpeedPressure	R	0617	RW	AV, 30617	10	P	Fan setting	Pressure setpoint extract air fan high speed	
VentSettings.S_SAFLowspeedAirFlow(0)	R	0618	RW	AV, 30618	1	Q	Fan setting	Flow setpoint supply air fan low speed	4.3-1-00
VentSettings.S_SAFNormalspeedAirFlow	R	0619	RW	AV, 30619	1	Q	Fan setting	Flow setpoint supply air fan normal speed	4.3-1-00
VentSettings.S_SAFHighspeedAirFlow	R	0620	RW	AV, 30620	1	Q	Fan setting	Flow setpoint supply air fan high speed	4.3-1-00
VentSettings.S_EAFLowspeedAirFlow(0)	R	0621	RW	AV, 30621	1	Q	Fan setting	Flow setpoint extract air fan low speed	4.3-1-00
VentSettings.S_EAFNormalspeedAirFlow	R	0622	RW	AV, 30622	1	Q	Fan setting	Flow setpoint extract air fan normal speed	4.3-1-00
VentSettings.S_EAFHighspeedAirFlow	R	0623	RW	AV, 30623	1	Q	Fan setting	Flow setpoint extract air fan high speed	4.3-1-00
VentSettings.S_SAFLowSpeedOutput(0)	R	0624	RW	AV, 30624	10	%	Fan setting	Output signal supply air fan low speed if manual control	
VentSettings.S_SAFNormalSpeedOutput	R	0625	RW	AV, 30625	10	%	Fan setting	Output signal supply air fan normal speed if manual control	
VentSettings.S_SAFHighspeedOutput	R	0626	RW	AV, 30626	10	%	Fan setting	Output signal supply air fan high speed if manual control	

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VentSettings.S_EAFLowSpeedOutput(0)	R	0627	RW	AV, 30627	10	%	Fan setting	Output signal extract air fan low speed if manual control	
VentSettings.S_EAFNormalSpeedOutput	R	0628	RW	AV, 30628	10	%	Fan setting	Output signal extract air fan normal speed if manual control	
VentSettings.S_EAFHighspeedOutput	R	0629	RW	AV, 30629	10	%	Fan setting	Output signal extract air fan high speed if manual control	
VentSettings.S_SAFLowSpeedPressureOffset	R	0630	RW	AV, 30630	10	P	Fan setting	Offset supply air fan low speed if pressure control	
VentSettings.S_SAFHighSpeedPressureOffset	R	0631	RW	AV, 30631	10	P	Fan setting	Offset supply air fan high speed if pressure control	
VentSettings.S_SAFLowSpeedAirFlowOffset	R	0632	RW	AV, 30632	1	Q	Fan setting	Offset supply air fan low speed if flow control	4.3-1-00
VentSettings.S_SAFHighSpeedAirFlowOffset	R	0633	RW	AV, 30633	1	Q	Fan setting	Offset supply air fan high speed if flow control	4.3-1-00
VentSettings.S_SAFLowSpeedOutputOffset	R	0634	RW	AV, 30634	10	%	Fan setting	Offset supply air fan low speed if manual control	
VentSettings.S_SAFHighSpeedOutputOffset	R	0635	RW	AV, 30635	10	%	Fan setting	Offset supply air fan high speed if manual control	
VentSettings.S_EAFLowSpeedPressureOffset	R	0636	RW	AV, 30636	10	P	Fan setting	Offset extract air fan low speed if pressure control	
VentSettings.S_EAFHighSpeedPressureOffset	R	0637	RW	AV, 30637	10	P	Fan setting	Offset extract air fan high speed if pressure control	
VentSettings.S_EAFLowSpeedAirFlowOffset	R	0638	RW	AV, 30638	1	Q	Fan setting	Offset extract air fan low speed if flow control	4.3-1-00
VentSettings.S_EAFHighSpeedAirFlowOffset	R	0639	RW	AV, 30639	1	Q	Fan setting	Offset extract air fan high speed if flow control	4.3-1-00
VentSettings.S_EAFLowSpeedOutputOffset	R	0640	RW	AV, 30640	10	%	Fan setting	Offset extract air fan low speed if manual control	
VentSettings.S_EAFHighSpeedOutputOffset	R	0641	RW	AV, 30641	10	%	Fan setting	Offset extract air fan high speed if manual control	



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VentSettings.S_SAFModeFreeCool	X	0642	RW	MSV, 30642	1		Operation override	Selected speed in free cooling mode supply air fan: Modbus 0=Off/Auto, normal setpoint 1=Manual setpoint 2=Manual output 3=Low speed setpoint 4=Normal speed setpoint 5=High speed setpoint Bacnet +1 offset for corresponding Modbus	
VentSettings.S_SAFManSetpFreeCool	R	0643	RW	AV, 30643	10	P/Q	Operation override	Manual setpoint in free cooling mode supply air fan	
VentSettings.S_SAFManOutFreeCool	R	0644	RW	AV, 30644	10	%	Operation override	Manual output in free cooling mode supply air fan	
VentSettings.S_SAFModeFire	X	0645	RW	MSV, 30645	1		Operation override	Selected speed in fire mode supply air fan: (See signal list for SAFModeFreeCool)	
VentSettings.S_SAFManSetpFire	R	0646	RW	AV, 30646	10	P/Q	Operation override	Manual setpoint in fire mode supply air fan	
VentSettings.S_SAFManOutFire	R	0647	RW	AV, 30647	10	%	Operation override	Manual output in fire mode supply air fan	
VentSettings.S_SAFModeSmoke	X	0648	RW	MSV, 30648	1		Operation override	Selected speed in smoke mode supply air fan: (See signal list for SAFModeFreeCool)	
VentSettings.S_SAFManSetpSmoke	R	0649	RW	AV, 30649	10	P/Q	Operation override	Manual setpoint in smoke mode supply air fan	
VentSettings.S_SAFManOutSmoke	R	0650	RW	AV, 30650	10	%	Operation override	Manual output in smoke mode supply air fan	
VentSettings.S_SAFModeRecirculation	X	0651	RW	MSV, 30651	1		Operation override	Selected speed in recirculation mode supply air fan: (See signal list for SAFModeFreeCool)	



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VentSettings.S_SAFManSetpRecirculation	R	0652	RW	AV, 30652	10	P/Q	Operation override	Manual setpoint in recirculation mode supply air fan	
VentSettings.S_SAFManOutRecirculation	R	0653	RW	AV, 30653	10	%	Operation override	Manual output in recirculation mode supply air fan	
VentSettings.S_EAFModeFreeCool	X	0654	RW	MSV, 30654	1		Operation override	Selected speed in freecool mode extract air fan: (See signal list for SAFModeFreeCool)	
VentSettings.S_EAFManSetpFreeCool	R	0655	RW	AV, 30655	10	P/Q	Operation override	Manual setpoint in freecool mode extract air fan	
VentSettings.S_EAFManOutFreeCool	R	0656	RW	AV, 30656	10	%	Operation override	Manual output in freecool mode extract air fan	
VentSettings.S_EAFModeFire	X	0657	RW	MSV, 30657	1		Operation override	Selected speed in fire mode extract air fan: (See signal list for SAFModeFreeCool)	
VentSettings.S_EAFManSetpFire	R	0658	RW	AV, 30658	10	P/Q	Operation override	Manual setpoint in fire mode extract air fan	
VentSettings.S_EAFManOutFire	R	0659	RW	AV, 30659	10	%	Operation override	Manual output in fire mode extract air fan	
VentSettings.S_EAFModeSmoke	X	0660	RW	MSV, 30660	1		Operation override	Selected speed in smoke mode extract air fan: (See signal list for SAFModeFreeCool)	
VentSettings.S_EAFManSetpSmoke	R	0661	RW	AV, 30661	10	P/Q	Operation override	Manual setpoint in smoke mode extract air fan	
VentSettings.S_EAFManOutSmoke	R	0662	RW	AV, 30662	10	%	Operation override	Manual output in smoke mode extract air fan	
VentSettings.S_EAFModeRecirculation	X	0663	RW	MSV, 30663	1		Operation override	Selected speed in recirculation mode extract air fan: (See signal list for SAFModeFreeCool)	
VentSettings.S_EAFManSetpRecirculation	R	0664	RW	AV, 30664	10	P/Q	Operation override	Manual setpoint in recirculation mode extract air fan	
VentSettings.S_EAFManOutRecirculation	R	0665	RW	AV, 30665	10	%	Operation override	Manual output in recirculation mode extract air fan	



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VentSettings.S_EAFFrequencyFact	R	0666	RW	AV, 30666	10		Fan setting	Flow slave factor extract air fan if fan control type: Supply air pressure with extract air flow slave	
VentSettings.S_ExtractPID_Pband	R	0667	RW	AV, 30667	10		PID setting	P-band extract air temperature	
VentSettings.S_ExtractPID_Itime	R	0668	RW	AV, 30668	1		PID setting	I-time extract air temperature	
VentSettings.S_SAFPID_Pband	R	0669	RW	AV, 30669	10		PID setting	P-band pressure supply air fan	
VentSettings.S_SAFPID_Itime	R	0670	RW	AV, 30670	1		PID setting	I-time pressure supply air fan	
VentSettings.S_EAfpID_Pband	R	0671	RW	AV, 30671	10		PID setting	P-band pressure extract air fan	
VentSettings.S_EAfpID_Itime	R	0672	RW	AV, 30672	1		PID setting	I-time pressure extract air fan	
VentSettings.S_FrostPID1_PBand(0)	R	0673	RW	AV, 30673	10		PID setting	P-band freeze protection 1	
VentSettings.S_FrostPID1_ITime(0)	R	0674	RW	AV, 30674	1		PID setting	I-time freeze protection 1	
VentSettings.S_FrostPID2_Pband	R	0675	RW	AV, 30675	10		PID setting	P-band freeze protection 2	
VentSettings.S_FrostPID2_ITime	R	0676	RW	AV, 30676	1		PID setting	I-time freeze protection 2	
VentSettings.S_FrostPID3_Pband	R	0677	RW	AV, 30677	10		PID setting	P-band freeze protection 3	
VentSettings.S_FrostPID3_ITime	R	0678	RW	AV, 30678	1		PID setting	I-time freeze protection 3	
VentSettings.S_CO2PID_Pband	R	0679	RW	AV, 30679	10		PID setting	P-band CO ₂	
VentSettings.S_CO2PID_Itime	R	0680	RW	AV, 30680	1		PID setting	I-time CO ₂	
VentSettings.S_RoomPID_Pband	R	0681	RW	AV, 30681	10		PID setting	P-band room temperature	
VentSettings.S_RoomPID_Itime	R	0682	RW	AV, 30682	1		PID setting	I-time room temperature	
VentSettings.S_DeIcePID_Pband	R	0683	RW	AV, 30683	10		PID setting	P-band defrosting	
VentSettings.S_DeIcePID_Itime	R	0684	RW	AV, 30684	1		PID setting	I-time defrosting	
VentSettings.S_HumidityPID_Pband	R	0685	RW	AV, 30685	10		PID setting	P-band humidity control	
VentSettings.S_HumidityPID_Itime	R	0686	RW	AV, 30686	1		PID setting	I-time humidity control	



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VentSettings.S_ExtraPID_Pband	R	0687	RW	AV, 30687	10		PID setting	P-band extra controller	
VentSettings.S_ExtraPID_Itime	R	0688	RW	AV, 30688	1		PID setting	I-time extra controller	
VentSettings.S_SAFAirFlowPID_Pband	R	0689	RW	AV, 30689	1		PID setting	P-band flow supply air fan	4.3-1-00
VentSettings.S_SAFPID_Itime	R	0690	RW	AV, 30690	1		PID setting	I-time flow supply air fan	
VentSettings.S_EAFAirFlowPID_Pband	R	0691	RW	AV, 30691	1		PID setting	P-band flow extract air fan	4.3-1-00
VentSettings.S_EAFPID_Itime	R	0692	RW	AV, 30692	1		PID setting	I-time flow extract air fan	
VentSettings.S_SeqY1PID_Pband	R	0693	RW	AV, 30693	10		PID setting	P-band sequence-A	
VentSettings.S_SeqY1PID_ITime	R	0694	RW	AV, 30694	1		PID setting	I-time sequence-A	
VentSettings.S_SeqY2PID_Pband	R	0695	RW	AV, 30695	10		PID setting	P-band sequence-B	
VentSettings.S_SeqY2PID_ITime	R	0696	RW	AV, 30696	1		PID setting	I-time sequence-B	
VentSettings.S_SeqY3PID_Pband	R	0697	RW	AV, 30697	10		PID setting	P-band sequence-C	
VentSettings.S_SeqY3PID_ITime	R	0698	RW	AV, 30698	1		PID setting	I-time sequence-C	
VentSettings.S_SeqY4PID_Pband	R	0699	RW	AV, 30699	10		PID setting	P-band sequence-D	
VentSettings.S_SeqY4PID_ITime	R	0700	RW	AV, 30700	1		PID setting	I-time sequence-D	
VentSettings.S_SeqY5PID_Pband	R	0701	RW	AV, 30701	10		PID setting	P-band sequence-E	
VentSettings.S_SeqY5PID_ITime	R	0702	RW	AV, 30702	1		PID setting	I-time sequence-E	
VentSettings.S_SeqY6PID_Pband	R	0703	RW	AV, 30703	10		PID setting	P-band sequence-F	
VentSettings.S_SeqY6PID_ITime	R	0704	RW	AV, 30704	1		PID setting	I-time sequence-F	
VentSettings.S_SeqY7PID_Pband	R	0705	RW	AV, 30705	10		PID setting	P-band sequence-G	
VentSettings.S_SeqY7PID_ITime	R	0706	RW	AV, 30706	1		PID setting	I-time sequence-G	
VentSettings.S_SeqY8PID_Pband	R	0707	RW	AV, 30707	10		PID setting	P-band sequence-H	
VentSettings.S_SeqY8PID_ITime	R	0708	RW	AV, 30708	1		PID setting	I-time sequence-H	



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VentSettings.S_SeqY9PID_Pband	R	0709	RW	AV, 30709	10		PID setting	P-band sequence-I	
VentSettings.S_SeqY9PID_ITime	R	0710	RW	AV, 30710	1		PID setting	I-time sequence-I	
VentSettings.S_SeqY10PID_Pband	R	0711	RW	AV, 30711	10		PID setting	P-band sequence-J	
VentSettings.S_SeqY10PID_ITime	R	0712	RW	AV, 30712	1		PID setting	I-time sequence-J	
VentSettings.S_AOSelect_Humidity	X	0713	RW	MSV, 30713	1		Operation override	Control mode humidity control: Modbus 0=Off 1=Manual 2=Auto Bacnet +1 offset for corresponding Modbus	
VentSettings.S_AOManual_Humidity	R	0714	RW	AV, 30714	10		Operation override	Control signal humidity control if manual mode	
VentSettings.S_AOSelect_ExtraController	X	0715	RW	MSV, 30715	1		Operation override	Control mode extra controller: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_ExtraController	R	0716	RW	AV, 30716	10		Operation override	Control signal extra controller if manual mode	
VentSettings.S_AOSelect_SequenceY1	X	0717	RW	MSV, 30717	1		Operation override	Control mode SEQ-A: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY1	R	0718	RW	AV, 30718	10		Operation override	Control signal SEQ-A if manual mode	
VentSettings.S_AOSelect_SequenceY2	X	0719	RW	MSV, 30719	1		Operation override	Control mode SEQ-B: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY2	R	0720	RW	AV, 30720	10		Operation override	Control signal SEQ-B if manual mode	
VentSettings.S_AOSelect_SequenceY3	X	0721	RW	MSV, 30721	1		Operation override	Control mode SEQ-C: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY3	R	0722	RW	AV, 30722	10		Operation override	Control signal SEQ-C if manual mode	



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VentSettings.S_AOSelect_SequenceY4	X	0723	RW	MSV, 30723	1		Operation override	Control mode SEQ-D: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY4	R	0724	RW	AV, 30724	10		Operation override	Control signal SEQ-D if manual mode	
VentSettings.S_AOSelect_SequenceY5	X	0725	RW	MSV, 30725	1		Operation override	Control mode SEQ-E: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY5	R	0726	RW	AV, 30726	10		Operation override	Control signal SEQ-E if manual mode	
VentSettings.S_AOSelect_SequenceY6	X	0727	RW	MSV, 30727	1		Operation override	Control mode SEQ-F: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY6	R	0728	RW	AV, 30728	10		Operation override	Control signal SEQ-F if manual mode	
VentSettings.S_AOSelect_SequenceY7	X	0729	RW	MSV, 30729	1		Operation override	Control mode SEQ-G: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY7	R	0730	RW	AV, 30730	10		Operation override	Control signal SEQ-G if manual mode	
VentSettings.S_AOSelect_SequenceY8	X	0731	RW	MSV, 30731	1		Operation override	Control mode SEQ-H: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY8	R	0732	RW	AV, 30732	10		Operation override	Control signal SEQ-H if manual mode	
VentSettings.S_AOSelect_SequenceY9	X	0733	RW	MSV, 30733	1		Operation override	Control mode SEQ-I: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY9	R	0734	RW	AV, 30734	10		Operation override	Control signal SEQ-I if manual mode	
VentSettings.S_AOSelect_SequenceY10	X	0735	RW	MSV, 30735	1		Operation override	Control mode SEQ-J: (See signal list for AOSelect_Humidity)	
VentSettings.S_AOManual_SequenceY10	R	0736	RW	AV, 30736	10		Operation override	Control signal SEQ-J if manual mode	
VentSettings.S_FreeCoolDayLimit	R	0737	RW	AV, 30737	10	T	Free cooling	Outdoor temperature min limit during day to allow start of free cooling	



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VentSettings.S_FreeCoolHighLimit	R	0738	RW	AV, 30738	10	T	Free cooling	Outdoor temperature max limit during night to stop free cooling	
VentSettings.S_FreeCoolLowLimit	R	0739	RW	AV, 30739	10	T	Free cooling	Outdoor temperature min limit during night to stop free cooling	
VentSettings.S_FreeCoolRoomLimit	R	0740	RW	AV, 30740	10	T	Free cooling	Room temperature min limit during night to stop free cooling	
VentSettings.S_FreeCoolStartTime	X	0741	RW	AV, 30741	1		Free cooling	Start hour free cooling (00-24)	
VentSettings.S_FreeCoolStopTime	X	0742	RW	AV, 30742	1		Free cooling	Stop hour free cooling (00-24)	
VentSettings.S_FreeCoolHeatBlockTime	I	0743	RW	AV, 30743	1	min	Free cooling	Time to block heat output after free cooling	
VentSettings.S_CO2StartLimit	R	0744	RW	AV, 30744	10	ppm	CO ₂	Start limit CO ₂ fan start/stop function	
VentSettings.S_CO2DemandDiff	R	0745	RW	AV, 30745	10	ppm	CO ₂	Hysteresis to stop CO ₂ fan start/stop function	
VentSettings.S_CO2Setpoint	R	0746	RW	AV, 30746	10	ppm	CO ₂	Setpoint CO ₂ mixing damper function	
VentSettings.S_CO2MinTime	I	0747	RW	AV, 30747	1	min	CO ₂	Min run time CO ₂ fan start/stop function	
VentSettings.S_NeedControl	X	0748	RW	AV, 30748	1		Support control	Enable support control if the unit is stopped	
VentSettings.S_NeedHeatStart	R	0749	RW	AV, 30749	10	T	Support control	Room temperature to start the unit if support heating is active	
VentSettings.S_NeedHeatStop	R	0750	RW	AV, 30750	10	T	Support control	Room temperature to stop the unit if support heating is active	
VentSettings.S_NeedCoolStart	R	0751	RW	AV, 30751	10	T	Support control	Room temperature to start the unit if support cooling is active	
VentSettings.S_NeedCoolStop	R	0752	RW	AV, 30752	10	T	Support control	Room temperature for stop the unit if support cooling is active	
VentSettings.S_NeedMinTime	I	0753	RW	AV, 30753	1	min	Support control	Min run time support control	



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VentSettings.S_FireDampersAutoMode	X	0754	RW	MSV, 30754	1	-	Operation override	Running mode fire damper: Modbus 0=Close 1=Open 2=Auto Bacnet +1 offset for corresponding Modbus	
VentSettings.S_DeIcingSetpoint	R	0755	RW	AV, 30756	10	T	Unit setting	Setpoint temperature defrosting	
VentSettings.S_DeIcingHyst	R	0756	RW	AV, 30757	10	T	Unit setting	Hysteresis to stop defrosting	
VentSettings.S_DeIcingMinTime	X	0757	RW	AV, 30758	1		Unit setting	Min run time defrosting	
VentSettings.S_DeIcingSAFTempStop	R	0758	RW	AV, 30758	10	T	Unit setting	Outdoor temperature min limit to stop supply air fan when defrosting	
VentSettings.S_HumiditySetpoint	R	0759	RW	AV, 30759	10	%R H	Humidity control	Setpoint humidity room/extract air	
VentSettings.S_HumidityMaxDuct	R	0760	RW	AV, 30760	10	%R H	Humidity control	Max limit humidity supply air	
VentSettings.S_HumidityHyst	R	0761	RW	AV, 30761	10	%R H	Humidity control	Hysteresis to start humidity control after stop max limitation	
VentSettings.S_HumidityMaxDiff	R	0762	RW	AV, 30762	10	%R H	Alarm setting	Alarm limit deviation alarm humidity control	
VentSettings.S_HumidityStartLimit	R	0763	RW	AV, 30763	10	%	Humidity control	Step start point humidity control	
VentSettings.S_HumidityStopLimit	R	0764	RW	AV, 30764	10	%	Humidity control	Step stop point humidity control	
VentSettings.S_RoomSetP	R	0765	RW	AV, 30765	10	T	Temperature setting	Setpoint room temperature if room temperature control	
VentSettings.S_FrostProtSPRun(0)	R	0766	RW	AV, 30766	10	T	Alarm setting	Alarm limit freeze protection alarm 1	
VentSettings.S_FrostProtSPStop(0)	R	0767	RW	AV, 30767	10	T	Unit setting	Setpoint freeze protection 1 if standby mode	
VentSettings.S_FrostProtPGain(0)	R	0768	RW	AV, 30768	10	T	Unit setting	P-band freeze protection 1 if running mode (setpoint=alarm limit+P-band)	

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VentSettings.S_FrostProtSPRun(1)	R	0769	RW	AV, 30769	10		Alarm setting	Alarm limit freeze protection alarm 2	
VentSettings.S_FrostProtSPStop(1)	R	0770	RW	AV, 30770	10		Unit setting	Setpoint freeze protection 2 if standby mode	
VentSettings.S_FrostProtPGain(1)	R	0771	RW	AV, 30771	10		Unit setting	P-band freeze protection 2 if running mode (setpoint=alarm limit+P-band)	
VentSettings.S_FrostProtSPRun(2)	R	0772	RW	AV, 30772	10		Alarm setting	Alarm limit freeze protection alarm 3	
VentSettings.S_FrostProtSPStop(2)	R	0773	RW	AV, 30773	10		Unit setting	Setpoint freeze protection 3 if standby mode	
VentSettings.S_FrostProtPGain(2)	R	0774	RW	AV, 30774	10		Unit setting	P-band freeze protection 3 if running mode (setpoint=alarm limit+P-band)	
VentSettings.S_ExtraControllerSetP	R	0775	RW	AV, 30775	10	T	Extra controller	Setpoint extra controller	
VentSettings.S_ExtraControllerMode	X	0776	RW	MSV, 30776	1		Extra controller	Control mode extra controller Modbus 0=Heating Controller 1=Cooling Controller Bacnet +1 offset for corresponding Modbus	
VentSettings.S_SumAlarm1(0)	X	0777	RW	MSV, 30777	1		Unit setting	Setting for sum alarm 1 (alarm levels) Modbus 0=Off 1=A+B+C 2=A+B 3=B+C 4=A+C 5=A 6=B 7=C Bacnet +1 offset for corresponding Modbus	
VentSettings.S_SumAlarm2	X	0778	RW	MSV, 30778	1		Unit setting	Setting for sum alarm 2 (alarm levels) (See signal list for SumAlarm1(0))	

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VentSettings.S_AlarmOutput	X	0779	RW	AV, 30779	1		Unit setting	Setting of alarm number used for universal alarm output Status: 0=Off 1=AlaPt(1)=Ala_MalfunctionSAF1 2=AlaPt(2)=Ala_MalfunctionSAF2 etc.	
VentSettings.S_SupplyMaxDiff	R	0780	RW	AV, 30780	10	T	Alarm setting	Alarm limit deviation alarm supply air temperature	
VentSettings.S_SupplyHighAlarmLimit	R	0781	RW	AV, 30781	10	T	Alarm setting	Alarm limit high supply air temperature	
VentSettings.S_SupplyLowAlarmLimit	R	0782	RW	AV, 30782	10	T	Alarm setting	Alarm limit low supply air temperature	
VentSettings.S_EfficiencyLowLimit	R	0783	RW	AV, 30783	10	%	Alarm setting	Alarm limit low efficiency exchanger	
VentSettings.S_RoomHighLimit	R	0784	RW	AV, 30784	10	T	Alarm setting	Alarm limit high room temperature	
VentSettings.S_RoomLowLimit	R	0785	RW	AV, 30785	10	T	Alarm setting	Alarm limit low room temperature	
VentSettings.S_ExtractAirTempHigh	R	0786	RW	AV, 30786	10	T	Alarm setting	Alarm limit high extract air temperature	
VentSettings.S_ExtractAirTempLow	R	0787	RW	AV, 30787	10	T	Alarm setting	Alarm limit low extract air temperature	
VentSettings.S_SAFMaxDiffPressure	R	0788	RW	AV, 30788	10	P	Alarm setting	Alarm limit deviation alarm supply air fan	
VentSettings.S_EAFMaxDiffPressure	R	0789	RW	AV, 30789	10	P	Alarm setting	Alarm limit deviation alarm extract air fan	
VentSettings.S_RecircSetP	R	0790	RW	AV, 30790	10		Recirculation	Setpoint recirculation if temperature control	
VentSettings.S_RecircTempControl	X	0791	RW	MSV, 30791	1		Recirculation	Supply air temperature control if recirculation: Modbus 0=No temperature control 1=Heating/cooling 2=Only heating 3=Only cooling Bacnet +1 offset for corresponding Modbus	



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VentSettings.S_RecircMaxRoomTemp	R	0792	RW	AV, 30792	10		Recirculation	If higher room temp when Recirculation run recirculation damper is closed and fresh air damper is opend	
VentSettings.S_RecircFreeCool	X	0793	RW	AV, 30793	1		Recirculation	Allow free cooling if recirculation	
VentSettings.S_RecircSAOffset	R	0794	RW	AV, 30794	1		Recirculation	Offset pressure/flow supply air fan if recirculation	4.3-1-00
VentSettings.S_RecircEAOffset	R	0795	RW	AV, 30795	1		Recirculation	Offset pressure/flow extract air fan if recirculation (this is not used)	4.3-1-00
VentSettings.S_RecircSetPOffset	R	0796	RW	AV, 30796	10		Recirculation	Offset for recirculation setpoint	
VentSettings.S_FilterAlarmTime	I	0797	RW	AV, 30797	1		Alarm setting	Time (in months) for alarm service interval counter	
VentSettings.S_ExtraSensor1HighLimit(0)	R	0798	RW	AV, 30798	10	T	Alarm setting	Alarm limit high temperature extra sensor 1	
VentSettings.S_ExtraSensor2HighLimit	R	0799	RW	AV, 30799	10	T	Alarm setting	Alarm limit high temperature extra sensor 2	
VentSettings.S_ExtraSensor3HighLimit	R	0800	RW	AV, 30800	10	T	Alarm setting	Alarm limit high temperature extra sensor 3	
VentSettings.S_ExtraSensor4HighLimit	R	0801	RW	AV, 30801	10	T	Alarm setting	Alarm limit high temperature extra sensor 4	
VentSettings.S_ExtraSensor5HighLimit	R	0802	RW	AV, 30802	10	T	Alarm setting	Alarm limit high temperature extra sensor 5	
VentSettings.S_ExtraSensor1LowLimit(0)	R	0803	RW	AV, 30803	10	T	Alarm setting	Alarm limit low temperature extra sensor 1	
VentSettings.S_ExtraSensor2LowLimit	R	0804	RW	AV, 30804	10	T	Alarm setting	Alarm limit low temperature extra sensor 2	
VentSettings.S_ExtraSensor3LowLimit	R	0805	RW	AV, 30805	10	T	Alarm setting	Alarm limit low temperature extra sensor 3	
VentSettings.S_ExtraSensor4LowLimit	R	0806	RW	AV, 30806	10	T	Alarm setting	Alarm limit low temperature extra sensor 4	
VentSettings.S_ExtraSensor5LowLimit	R	0807	RW	AV, 30807	10	T	Alarm setting	Alarm limit low temperature extra sensor 5	
VentSettings.S_SelectedSensor1(0)	X	0808	RW	AV, 30808	1		Alarm setting	Select sensor 1 for high & low temperature selected sensor alarm 0 = Not active 1 = A_AI_OutDoorTemp	



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VentSettings.S_SelectedSensor1HighLimit(0)	R	0809	RW	AV, 30809	10		Alarm setting	Alarm limit high temperature selected sensor 1	
VentSettings.S_SelectedSensor1LowLimit(0)	R	0810	RW	AV, 30810	10		Alarm setting	Alarm limit low temperature selected sensor 1	
VentSettings.S_SelectedSensor2	X	0811	RW	AV, 30811	1		Alarm setting	Select sensor 2 for high & low temperature selected sensor alarm 0 = Not active 1 = A_AI_OutDoorTemp	
VentSettings.S_SelectedSensor2HighLimit	R	0812	RW	AV, 30812	10		Alarm setting	Alarm limit high temperature selected sensor 2	
VentSettings.S_SelectedSensor2LowLimit	R	0813	RW	AV, 30813	10		Alarm setting	Alarm limit low temperature selected sensor 2	
VentSettings.S_SupplyPIDFreeze	X	0814	RW	MSV, 30814	1		Unit setting	Freeze supply temperature PID control	
VentSettings.S_FanComp1X1(0)	R	0815	RW	AV, 30815	10		Fan compensation curve	Curve 1 point 1 sensor value	
VentSettings.S_FanComp1Y1(0)	R	0816	RW	AV, 30816	10		Fan compensation curve	Curve 1 point 1 setpoint compensation	
VentSettings.S_FanComp1X2(0)	R	0817	RW	AV, 30817	10		Fan compensation curve	Curve 1 point 2 sensor value	
VentSettings.S_FanComp1Y2(0)	R	0818	RW	AV, 30818	10		Fan compensation curve	Curve 1 point 2 setpoint compensation	
VentSettings.S_FanComp1X3(0)	R	0819	RW	AV, 30819	10		Fan compensation curve	Curve 1 point 3 sensor value	
VentSettings.S_FanComp1Y3(0)	R	0820	RW	AV, 30820	10		Fan compensation curve	Curve 1 point 3 setpoint compensation	



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VentSettings.S_FanComp2X1	R	0821	RW	AV, 30821	10		Fan compensation curve	Curve 2 point 1 sensor value	
VentSettings.S_FanComp2Y1	R	0822	RW	AV, 30822	10		Fan compensation curve	Curve 2 point 1 setpoint compensation	
VentSettings.S_FanComp2X2	R	0823	RW	AV, 30823	10		Fan compensation curve	Curve 2 point 2 sensor value	
VentSettings.S_FanComp2Y2	R	0824	RW	AV, 30824	10		Fan compensation curve	Curve 2 point 2 setpoint compensation	
VentSettings.S_FanComp2X3	R	0825	RW	AV, 30825	10		Fan compensation curve	Curve 2 point 3 sensor value	
VentSettings.S_FanComp2Y3	R	0826	RW	AV, 30826	10		Fan compensation curve	Curve 2 point 3 setpoint compensation	
VentSettings.S_FanComp3X1	R	0827	RW	AV, 30827	10		Fan compensation curve	Curve 3 point 1 sensor value	
VentSettings.S_FanComp3Y1	R	0828	RW	AV, 30828	10		Fan compensation curve	Curve 3 point 1 setpoint compensation	
VentSettings.S_FanComp3X2	R	0829	RW	AV, 30829	10		Fan compensation curve	Curve 3 point 2 sensor value	
VentSettings.S_FanComp3Y2	R	0830	RW	AV, 30830	10		Fan compensation curve	Curve 3 point 2 setpoint compensation	



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VentSettings.S_FanComp3X3	R	0831	RW	AV, 30831	10		Fan compensation curve	Curve 3 point 3 sensor value	
VentSettings.S_FanComp3Y3	R	0832	RW	AV, 30832	10		Fan compensation curve	Curve 3 point 3 setpoint compensation	
VentSettings.S_NeutralZone	R	0833	RW	AV, 30833	10	T	Unit setting	Neutral zone around supply setpoint before heating and cooling.	
VentSettings.S_FreeCoolSAOffset	R	0834	RW	AV, 30834	1	P/Q	Free cooling	Setpoint offset supply air fan if free cooling	4.3-1-00
VentSettings.S_FreeCoolEAOffset	R	0835	RW	AV, 30835	1	P/Q	Free cooling	Setpoint offset extract air fan if free cooling	4.3-1-00
VentSettings.S_FilterGuard1Limit_X1(0)	R	0836	RW	AV, 30836	1	Q	Alarm setting	Limit X1 filter guard supply	4.3-1-00
VentSettings.S_FilterGuard1Limit_Y1	R	0837	RW	AV, 30837	10	P	Alarm setting	Limit Y1 filter guard supply	
VentSettings.S_FilterGuard1Limit_X2	R	0838	RW	AV, 30838	1	Q	Alarm setting	Limit X2 filter guard supply	4.3-1-00
VentSettings.S_FilterGuard1Limit_Y2	R	0839	RW	AV, 30839	10	P	Alarm setting	Limit Y2 filter guard supply	
VentSettings.S_FilterGuard2Limit_X1(0)	R	0840	RW	AV, 30840	1	Q	Alarm setting	Limit X1 filter guard extract	4.3-1-00
VentSettings.S_FilterGuard2Limit_Y1	R	0841	RW	AV, 30841	10	P	Alarm setting	Limit Y1 filter guard extract	
VentSettings.S_FilterGuard2Limit_X2	R	0842	RW	AV, 30842	1	Q	Alarm setting	Limit X2 filter guard extract	4.3-1-00
VentSettings.S_FilterGuard2Limit_Y2	R	0843	RW	AV, 30843	10	P	Alarm setting	Limit Y2 filter guard extract	
VentSettings.S_SummerModeSupplySetpoint	R	0844	RW	AV, 30844	10	T	Summer setting	Supply air temp setpoint at summer time	
VentSettings.S_SummerModeOutdoortemp	R	0845	RW	AV, 30845	10	T	Summer setting	Outdoor temp for switching between summer and winter mode	
VentSettings.S_SummerModeStartDate	X	0846	RW		1		Summer setting	Date for start of summer period	
VentSettings.S_SummerModeStartMonth	X	0847	RW		1		Summer setting	Month for start of summer period	
VentSettings.S_SummerModeStopDate	X	0848	RW		1		Summer setting	Date for stop of summer period	
VentSettings.S_SummerModeStopMonth	X	0849	RW		1		Summer setting	Month for stop of summer period	



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VentActual.A_BMS_OutDoorTemp	R	0850	RW	AV, 30850	10	T	AI function	Outdoor temperature sent from BMS system	4.1-1-01
VentSettings.S_EnergyHeaterLeakagedT	R	0851	RW	AV, 30851	10	T	Energy insight	Alarm limit in delta T, for leakage heater valve	4.1-1-01
VentSettings.S_Zone1SetP(0)	R	0852	RW	AV, 30852	10	T	Temperature setting	Setpoint zone 1 air temperature	4.3-1-00
VentSettings.S_Zone2SetP	R	0853	RW	AV, 30853	10	T	Temperature setting	Setpoint zone 2 air temperature	4.3-1-00
VentSettings.S_Zone3SetP	R	0854	RW	AV, 30854	10	T	Temperature setting	Setpoint zone 3 air temperature	4.3-1-00
VentSettings.S_Zone1SetpointMax(0)	R	0855	RW	AV, 30855	10	T	Temperature setting	Max limit of zone 1 supply setpoint if cascade control	4.3-1-00
VentSettings.S_Zone1SetpointMin(0)	R	0856	RW	AV, 30856	10	T	Temperature setting	Min limit of zone 1 supply setpoint if cascade control	4.3-1-00
VentSettings.S_Zone2SetpointMax	R	0857	RW	AV, 30857	10	T	Temperature setting	Max limit of zone 2 supply setpoint if cascade control	4.3-1-00
VentSettings.S_Zone2SetpointMin	R	0858	RW	AV, 30858	10	T	Temperature setting	Min limit of zone 2 supply setpoint if cascade control	4.3-1-00
VentSettings.S_Zone3SetpointMax	R	0859	RW	AV, 30859	10	T	Temperature setting	Max limit of zone 3 supply setpoint if cascade control	4.3-1-00
VentSettings.S_Zone3SetpointMin	R	0860	RW	AV, 30860	10	T	Temperature setting	Min limit of zone 3 supply setpoint if cascade control	4.3-1-00
VentSettings.S_Zone1NeutralZone(0)	R	0861	RW	AV, 30861	10	T	Temperature setting	Neutral zone around supply setpoint before heating and cooling zone 1.	4.3-1-00
VentSettings.S_Zone2NeutralZone	R	0862	RW	AV, 30862	10	T	Temperature setting	Neutral zone around supply setpoint before heating and cooling zone 2.	4.3-1-00
VentSettings.S_Zone3NeutralZone	R	0863	RW	AV, 30863	10	T	Temperature setting	Neutral zone around supply setpoint before heating and cooling zone 3.	4.3-1-00
VentSettings.S_FrostProtSPRunZone1	R	0864	RW	AV, 30864	10	T	Alarm setting	Alarm limit freeze protection alarm zone 1	4.3-1-00
VentSettings.S_FrostProtSPStopZone1	R	0865	RW	AV, 30865	10	T	Unit setting	Setpoint freeze protection zone 1 if standby mode	4.3-1-00



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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentSettings.S_FrostProtPGainZone1	R	0866	RW	AV, 30866	10	T	Unit setting	P-band freeze protection zone 1 if running mode (setpoint=alarm limit+P-band)	4.3-1-00
VentSettings.S_FrostProtSPRunZone2	R	0867	RW	AV, 30867	10	T	Alarm setting	Alarm limit freeze protection alarm zone 2	4.3-1-00
VentSettings.S_FrostProtSPStopZone2	R	0868	RW	AV, 30868	10	T	Unit setting	Setpoint freeze protection zone 2 if standby mode	4.3-1-00
VentSettings.S_FrostProtPGainZone2	R	0869	RW	AV, 30869	10	T	Unit setting	P-band freeze protection zone 2 if running mode (setpoint=alarm limit+P-band)	4.3-1-00
VentSettings.S_FrostProtSPRunZone3	R	0870	RW	AV, 30870	10	T	Alarm setting	Alarm limit freeze protection alarm zone 3	4.3-1-00
VentSettings.S_FrostProtSPStopZone3	R	0871	RW	AV, 30871	10	T	Unit setting	Setpoint freeze protection zone 3 if standby mode	4.3-1-00
VentSettings.S_FrostProtPGainZone3	R	0872	RW	AV, 30872	10	T	Unit setting	P-band freeze protection zone 3 if running mode (setpoint=alarm limit+P-band)	4.3-1-00
VentSettings.S_SAFLowspeedAirFlow(0)	R	0873	RW		1	Q	Fan setting	Flow setpoint supply air fan low speed (32-bit float)	4.3-1-00
VentSettings.S_SAFNormalspeedAirFlow	R	0875	RW		1	Q	Fan setting	Flow setpoint supply air fan normal speed (32-bit float)	4.3-1-00
VentSettings.S_SAFHighspeedAirFlow	R	0877	RW		1	Q	Fan setting	Flow setpoint supply air fan high speed (32-bit float)	4.3-1-00
VentSettings.S_EAFLowspeedAirFlow(0)	R	0879	RW		1	Q	Fan setting	Flow setpoint extract air fan low speed (32-bit float)	4.3-1-00
VentSettings.S_EAFNormalspeedAirFlow	R	0881	RW		1	Q	Fan setting	Flow setpoint extract air fan normal speed (32-bit float)	4.3-1-00
VentSettings.S_EAFHighspeedAirFlow	R	0883	RW		1	Q	Fan setting	Flow setpoint extract air fan high speed (32-bit float)	4.3-1-00
VentSettings.S_DelayedStartDXCool	R	0885	RW	AV, 30885	10	T	Temperature setting	Min setpoint deviation to allow start of DX-cooling	4.3-1-00
VentSettings.S_DelayedStartDXHeat	R	0886	RW	AV, 30886	10	T	Temperature setting	Min setpoint deviation to allow start of DX-heating	4.3-1-00

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Signal name	EXOL type	Modbus address	RW	Bacnet	Scale factor	Unit	Function	Description	Release
VentSettings.S_HumidityNeutralZone	R	0887	RW	AV, 30887	10		Humidity control	Neutral zone humidity room / extract air	4.3-1-00



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Chapter 6 Input Status Register (1x)

Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
TimePro.TC_FanLowSpeed	L	0000	R	BV, 20000	Time channel	Low speed active	
TimePro.TC_FanNormalSpeed	L	0001	R	BV, 20001	Time channel	Normal speed active	
TimePro.TC_FanHighSpeed	L	0002	R	BV, 20002	Time channel	High speed active	
TimePro.TC_Extra1	L	0003	R	BV, 20003	Time channel	Extra time channel 1 active	
TimePro.TC_Extra2	L	0004	R	BV, 20004	Time channel	Extra time channel 2 active	
TimePro.TC_Extra3	L	0005	R	BV, 20005	Time channel	Extra time channel 3 active	
TimePro.TC_Extra4	L	0006	R	BV, 20006	Time channel	Extra time channel 4 active	
VentActual.A_SumAlarm	L	0007	R	BV, 20007	Alarm point	Sum alarm: Unacknowledged A-, B- or C-alarm	
VentActual.A_SumAlarmA(0)	L	0008	R	BV, 20008	Alarm point	Sum alarm: Unacknowledged A-alarm	
VentActual.A_SumAlarmB	L	0009	R	BV, 20009	Alarm point	Sum alarm: Unacknowledged B-alarm	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_SumAlarmC	L	0010	R	BV, 20010	Alarm point	Sum alarm: Unacknowledged C-alarm	
VentActual.A_AlaPt(1)	L	0011	R	BV, 20011	Alarm point	Malfunction supply air fan 1	
VentActual.A_AlaPt(2)	L	0012	R	BV, 20012	Alarm point	Malfunction supply air fan 2	
VentActual.A_AlaPt(3)	L	0013	R	BV, 20013	Alarm point	Malfunction supply air fan 3	
VentActual.A_AlaPt(4)	L	0014	R	BV, 20014	Alarm point	Malfunction supply air fan 4	
VentActual.A_AlaPt(5)	L	0015	R	BV, 20015	Alarm point	Malfunction supply air fan 5	
VentActual.A_AlaPt(6)	L	0016	R	BV, 20016	Alarm point	Malfunction extract air fan 1	
VentActual.A_AlaPt(7)	L	0017	R	BV, 20017	Alarm point	Malfunction extract air fan 2	
VentActual.A_AlaPt(8)	L	0018	R	BV, 20018	Alarm point	Malfunction extract air fan 3	
VentActual.A_AlaPt(9)	L	0019	R	BV, 20019	Alarm point	Malfunction extract air fan 4	
VentActual.A_AlaPt(10)	L	0020	R	BV, 20020	Alarm point	Malfunction extract air fan 5	
VentActual.A_AlaPt(11)	L	0021	R	BV, 20021	Alarm point	Alarm supply air fan 1	
VentActual.A_AlaPt(12)	L	0022	R	BV, 20022	Alarm point	Alarm supply air fan 2	
VentActual.A_AlaPt(13)	L	0023	R	BV, 20023	Alarm point	Alarm supply air fan 3	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(14)	L	0024	R	BV, 20024	Alarm point	Alarm supply air fan 4	
VentActual.A_AlaPt(15)	L	0025	R	BV, 20025	Alarm point	Alarm supply air fan 5	
VentActual.A_AlaPt(16)	L	0026	R	BV, 20026	Alarm point	Alarm extract air fan 1	
VentActual.A_AlaPt(17)	L	0027	R	BV, 20027	Alarm point	Alarm extract air fan 2	
VentActual.A_AlaPt(18)	L	0028	R	BV, 20028	Alarm point	Alarm extract air fan 3	
VentActual.A_AlaPt(19)	L	0029	R	BV, 20029	Alarm point	Alarm extract air fan 4	
VentActual.A_AlaPt(20)	L	0030	R	BV, 20030	Alarm point	Alarm extract air fan 5	
VentActual.A_AlaPt(21)	L	0031	R	BV, 20031	Alarm point	Warning supply air fan 1	
VentActual.A_AlaPt(22)	L	0032	R	BV, 20032	Alarm point	Warning supply air fan 2	
VentActual.A_AlaPt(23)	L	0033	R	BV, 20033	Alarm point	Warning supply air fan 3	
VentActual.A_AlaPt(24)	L	0034	R	BV, 20034	Alarm point	Warning supply air fan 4	
VentActual.A_AlaPt(25)	L	0035	R	BV, 20035	Alarm point	Warning supply air fan 5	
VentActual.A_AlaPt(26)	L	0036	R	BV, 20036	Alarm point	Warning extract air fan 1	
VentActual.A_AlaPt(27)	L	0037	R	BV, 20037	Alarm point	Warning extract air fan 2	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(28)	L	0038	R	BV, 20038	Alarm point	Warning extract air fan 3	
VentActual.A_AlaPt(29)	L	0039	R	BV, 20039	Alarm point	Warning extract air fan 4	
VentActual.A_AlaPt(30)	L	0040	R	BV, 20040	Alarm point	Warning extract air fan 5	
VentActual.A_AlaPt(31)	L	0041	R	BV, 20041	Alarm point	External operation supply air fan	
VentActual.A_AlaPt(32)	L	0042	R	BV, 20042	Alarm point	External operation extract air fan	
VentActual.A_AlaPt(33)	L	0043	R	BV, 20043	Alarm point	Extra fan motor 1 running	
VentActual.A_AlaPt(34)	L	0044	R	BV, 20044	Alarm point	Extra fan motor 2 running	
VentActual.A_AlaPt(35)	L	0045	R	BV, 20045	Alarm point	Malfunction pump heater	
VentActual.A_AlaPt(36)	L	0046	R	BV, 20046	Alarm point	Malfunction pump cooler	
VentActual.A_AlaPt(37)	L	0047	R	BV, 20047	Alarm point	Malfunction pump exchanger	
VentActual.A_AlaPt(38)	L	0048	R	BV, 20048	Alarm point	Malfunction fire damper	
VentActual.A_AlaPt(39)	L	0049	R	BV, 20049	Alarm point	Malfunction damper	
VentActual.A_AlaPt(40)	L	0050	R	BV, 20050	Alarm point	Malfunction extra fan motor 1	
VentActual.A_AlaPt(41)	L	0051	R	BV, 20051	Alarm point	Malfunction extra fan motor 2	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(42)	L	0052	R	BV, 20052	Alarm point	Malfunction adiabatic cooling	
VentActual.A_AlaPt(43)	L	0053	R	BV, 20053	Alarm point	Malfunction pump sequence-A	
VentActual.A_AlaPt(44)	L	0054	R	BV, 20054	Alarm point	Malfunction pump sequence-B	
VentActual.A_AlaPt(45)	L	0055	R	BV, 20055	Alarm point	Malfunction pump sequence-C	
VentActual.A_AlaPt(46)	L	0056	R	BV, 20056	Alarm point	Malfunction pump sequence-D	
VentActual.A_AlaPt(47)	L	0057	R	BV, 20057	Alarm point	Malfunction pump sequence-E	
VentActual.A_AlaPt(48)	L	0058	R	BV, 20058	Alarm point	Malfunction pump sequence-F	
VentActual.A_AlaPt(49)	L	0059	R	BV, 20059	Alarm point	Malfunction pump sequence-G	
VentActual.A_AlaPt(50)	L	0060	R	BV, 20060	Alarm point	Malfunction pump sequence-H	
VentActual.A_AlaPt(51)	L	0061	R	BV, 20061	Alarm point	Malfunction pump sequence-I	
VentActual.A_AlaPt(52)	L	0062	R	BV, 20062	Alarm point	Malfunction pump sequence-J	
VentActual.A_AlaPt(53)	L	0063	R	BV, 20063	Alarm point	Filter alarm supply air	
VentActual.A_AlaPt(54)	L	0064	R	BV, 20064	Alarm point	Filter alarm extract air	
VentActual.A_AlaPt(55)	L	0065	R	BV, 20065	Alarm point	Alarm low air flow	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(56)	L	0066	R	BV, 20066	Alarm point	Freeze protection guard	
VentActual.A_AlaPt(57)	L	0067	R	BV, 20067	Alarm point	Defrosting guard exchanger	
VentActual.A_AlaPt(58)	L	0068	R	BV, 20068	Alarm point	Fire alarm	
VentActual.A_AlaPt(59)	L	0069	R	BV, 20069	Alarm point	Smoke alarm	
VentActual.A_AlaPt(60)	L	0070	R	BV, 20070	Alarm point	External stop	
VentActual.A_AlaPt(61)	L	0071	R	BV, 20071	Alarm point	External alarm	
VentActual.A_AlaPt(62)	L	0072	R	BV, 20072	Alarm point	Service stop	
VentActual.A_AlaPt(63)	L	0073	R	BV, 20073	Alarm point	Electric heater is overheated	
VentActual.A_AlaPt(64)	L	0074	R	BV, 20074	Alarm point	Warning freeze protection	
VentActual.A_AlaPt(65)	L	0075	R	BV, 20075	Alarm point	Low efficiency exchanger	
VentActual.A_AlaPt(66)	L	0076	R	BV, 20076	Alarm point	Defrosting alarm	
VentActual.A_AlaPt(67)	L	0077	R	BV, 20077	Alarm point	Rotary exchanger alarm	
VentActual.A_AlaPt(68)	L	0078	R	BV, 20078	Alarm point	Extra alarm 1	
VentActual.A_AlaPt(69)	L	0079	R	BV, 20079	Alarm point	Extra alarm 2	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(70)	L	0080	R	BV, 20080	Alarm point	Extra alarm 3	
VentActual.A_AlaPt(71)	L	0081	R	BV, 20081	Alarm point	Extra alarm 4	
VentActual.A_AlaPt(72)	L	0082	R	BV, 20082	Alarm point	Extra alarm 5	
VentActual.A_AlaPt(73)	L	0083	R	BV, 20083	Alarm point	Extra alarm 6	
VentActual.A_AlaPt(74)	L	0084	R	BV, 20084	Alarm point	Extra alarm 7	
VentActual.A_AlaPt(75)	L	0085	R	BV, 20085	Alarm point	Extra alarm 8	
VentActual.A_AlaPt(76)	L	0086	R	BV, 20086	Alarm point	Extra alarm 9	
VentActual.A_AlaPt(77)	L	0087	R	BV, 20087	Alarm point	Extra alarm 10	
VentActual.A_AlaPt(78)	L	0088	R	BV, 20088	Alarm point	Internal battery error	
VentActual.A_AlaPt(79)	L	0089	R	BV, 20089	Alarm point	Alarm service interval	
VentActual.A_AlaPt(80)	L	0090	R	BV, 20090	Alarm point	Restart blocked after power on	
VentActual.A_AlaPt(81)	L	0091	R	BV, 20091	Alarm point	Deviation alarm supply air temperature	
VentActual.A_AlaPt(82)	L	0092	R	BV, 20092	Alarm point	Deviation alarm supply air fan	
VentActual.A_AlaPt(83)	L	0093	R	BV, 20093	Alarm point	Deviation alarm extract air fan	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(84)	L	0094	R	BV, 20094	Alarm point	Deviation alarm humidity control	
VentActual.A_AlaPt(85)	L	0095	R	BV, 20095	Alarm point	Deviation alarm extra controller	
VentActual.A_AlaPt(86)	L	0096	R	BV, 20096	Alarm point	High supply air temperature	
VentActual.A_AlaPt(87)	L	0097	R	BV, 20097	Alarm point	Low supply air temperature	
VentActual.A_AlaPt(88)	L	0098	R		Alarm point	Supply air temperature max limit	
VentActual.A_AlaPt(89)	L	0099	R		Alarm point	Supply air temperature min limit	
VentActual.A_AlaPt(90)	L	0100	R		Alarm point	High room temperature	
VentActual.A_AlaPt(91)	L	0101	R		Alarm point	Low room temperature	
VentActual.A_AlaPt(92)	L	0102	R		Alarm point	High extract air temperature	
VentActual.A_AlaPt(93)	L	0103	R		Alarm point	Low extract air temperature	
VentActual.A_AlaPt(94)	L	0104	R		Alarm point	High outdoor air temperature	
VentActual.A_AlaPt(95)	L	0105	R		Alarm point	Low outdoor air temperature	
VentActual.A_AlaPt(96)	L	0106	R		Alarm point	Freeze protection alarm 1	
VentActual.A_AlaPt(97)	L	0107	R		Alarm point	Freeze protection alarm 2	
VentActual.A_AlaPt(98)	L	0108	R		Alarm point	Freeze protection alarm 3	
VentActual.A_AlaPt(99)	L	0109	R		Alarm point	High temperature extra sensor 1	
VentActual.A_AlaPt(100)	L	0110	R		Alarm point	Low temperature extra sensor 1	
VentActual.A_AlaPt(101)	L	0111	R		Alarm point	High temperature extra sensor 2	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(102)	L	0112	R		Alarm point	Low temperature extra sensor 2	
VentActual.A_AlaPt(103)	L	0113	R		Alarm point	High temperature extra sensor 3	
VentActual.A_AlaPt(104)	L	0114	R		Alarm point	Low temperature extra sensor 3	
VentActual.A_AlaPt(105)	L	0115	R		Alarm point	High temperature extra sensor 4	
VentActual.A_AlaPt(106)	L	0116	R		Alarm point	Low temperature extra sensor 4	
VentActual.A_AlaPt(107)	L	0117	R		Alarm point	High temperature extra sensor 5	
VentActual.A_AlaPt(108)	L	0118	R		Alarm point	Low temperature extra sensor 5	
VentActual.A_AlaPt(109)	L	0119	R	BV, 20119	Alarm point	High temperature selected sensor 1	
VentActual.A_AlaPt(110)	L	0120	R	BV, 20120	Alarm point	Low temperature selected sensor 1	
VentActual.A_AlaPt(111)	L	0121	R	BV, 20121	Alarm point	High temperature selected sensor 2	
VentActual.A_AlaPt(112)	L	0122	R	BV, 20122	Alarm point	Low temperature selected sensor 2	
VentActual.A_AlaPt(113)	L	0123	R	BV, 20123	Alarm point	Manual operation air handling unit	
VentActual.A_AlaPt(114)	L	0124	R	BV, 20124	Alarm point	Manual operation supply air	
VentActual.A_AlaPt(115)	L	0125	R	BV, 20125	Alarm point	Manual operation supply air fan	
VentActual.A_AlaPt(116)	L	0126	R	BV, 20126	Alarm point	Manual operation extract air fan	
VentActual.A_AlaPt(117)	L	0127	R	BV, 20127	Alarm point	Manual operation heater	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(118)	L	0128	R	BV, 20128	Alarm point	Manual operation exchanger	
VentActual.A_AlaPt(119)	L	0129	R	BV, 20129	Alarm point	Manual operation cooler	
VentActual.A_AlaPt(120)	L	0130	R	BV, 20130	Alarm point	Manual operation damper	
VentActual.A_AlaPt(121)	L	0131	R	BV, 20131	Alarm point	Manual operation pump heater	
VentActual.A_AlaPt(122)	L	0132	R	BV, 20132	Alarm point	Manual operation pump exchanger	
VentActual.A_AlaPt(123)	L	0133	R	BV, 20133	Alarm point	Manual operation pump cooler	
VentActual.A_AlaPt(124)	L	0134	R	BV, 20134	Alarm point	Manual operation damper recirculation	
VentActual.A_AlaPt(125)	L	0135	R	BV, 20135	Alarm point	Manual operation damper outdoor air	
VentActual.A_AlaPt(126)	L	0136	R	BV, 20136	Alarm point	Manual operation damper exhaust air	
VentActual.A_AlaPt(127)	L	0137	R	BV, 20137	Alarm point	Manual operation fire damper	
VentActual.A_AlaPt(128)	L	0138	R	BV, 20138	Alarm point	Manual control sequence-A	
VentActual.A_AlaPt(129)	L	0139	R	BV, 20139	Alarm point	Manual control sequence-B	
VentActual.A_AlaPt(130)	L	0140	R	BV, 20140	Alarm point	Manual control sequence-C	
VentActual.A_AlaPt(131)	L	0141	R	BV, 20141	Alarm point	Manual control sequence-D	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(132)	L	0142	R	BV, 20142	Alarm point	Manual control sequence-E	
VentActual.A_AlaPt(133)	L	0143	R	BV, 20143	Alarm point	Manual control sequence-F	
VentActual.A_AlaPt(134)	L	0144	R	BV, 20144	Alarm point	Manual control sequence-G	
VentActual.A_AlaPt(135)	L	0145	R	BV, 20145	Alarm point	Manual control sequence-H	
VentActual.A_AlaPt(136)	L	0146	R	BV, 20146	Alarm point	Manual control sequence-I	
VentActual.A_AlaPt(137)	L	0147	R	BV, 20147	Alarm point	Manual control sequence-J	
VentActual.A_AlaPt(138)	L	0148	R	BV, 20148	Alarm point	Output in manual operation	
VentActual.A_AlaPt(139)	L	0149	R	BV, 20149	Alarm point	Input in manual operation	
VentActual.A_AlaPt(140)	L	0150	R	BV, 20150	Alarm point	Manual operation extra controller	
VentActual.A_AlaPt(141)	L	0151	R	BV, 20151	Alarm point	Manual operation external fan motor 1	
VentActual.A_AlaPt(142)	L	0152	R	BV, 20152	Alarm point	Manual operation external fan motor 2	
VentActual.A_AlaPt(143)	L	0153	R	BV, 20153	Alarm point	Manual operation pretreatment	
VentActual.A_AlaPt(144)	L	0154	R		Alarm point	Sensor error outdoor air temperature	
VentActual.A_AlaPt(145)	L	0155	R		Alarm point	Sensor error intake air temperature	
VentActual.A_AlaPt(146)	L	0156	R		Alarm point	Sensor error supply air temperature	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(147)	L	0157	R		Alarm point	Sensor error exhaust air temperature	
VentActual.A_AlaPt(148)	L	0158	R		Alarm point	Sensor error extract air temperature	
VentActual.A_AlaPt(149)	L	0159	R		Alarm point	Sensor error room temperature 1	
VentActual.A_AlaPt(150)	L	0160	R		Alarm point	Sensor error room temperature 2	
VentActual.A_AlaPt(151)	L	0161	R		Alarm point	Sensor error room temperature 3	
VentActual.A_AlaPt(152)	L	0162	R		Alarm point	Sensor error room temperature 4	
VentActual.A_AlaPt(153)	L	0163	R		Alarm point	Sensor error pressure supply air	
VentActual.A_AlaPt(154)	L	0164	R		Alarm point	Sensor error pressure extract air	
VentActual.A_AlaPt(155)	L	0165	R		Alarm point	Sensor error flow supply air	
VentActual.A_AlaPt(156)	L	0166	R		Alarm point	Sensor error flow extract air	
VentActual.A_AlaPt(157)	L	0167	R		Alarm point	Sensor error flow exchanger supply air	
VentActual.A_AlaPt(158)	L	0168	R		Alarm point	Sensor error pressure exchanger extract air	
VentActual.A_AlaPt(159)	L	0169	R		Alarm point	Sensor error defrosting temperature	
VentActual.A_AlaPt(160)	L	0170	R		Alarm point	Sensor error freeze protection temperature 1	
VentActual.A_AlaPt(161)	L	0171	R		Alarm point	Sensor error freeze protection temperature 2	
VentActual.A_AlaPt(162)	L	0172	R		Alarm point	Sensor error freeze protection temperature 3	
VentActual.A_AlaPt(163)	L	0173	R		Alarm point	Sensor error CO2 room/extract air	
VentActual.A_AlaPt(164)	L	0174	R		Alarm point	Sensor error humidity room/extract air	
VentActual.A_AlaPt(165)	L	0175	R		Alarm point	Sensor error humidity supply air	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(166)	L	0176	R		Alarm point	Sensor error extra controller	
VentActual.A_AlaPt(167)	L	0177	R		Alarm point	Signal error external control supply air fan	
VentActual.A_AlaPt(168)	L	0178	R		Alarm point	Signal error external control extract air fan	
VentActual.A_AlaPt(169)	L	0179	R		Alarm point	Sensor error humidity outdoor	
VentActual.A_AlaPt(170)	L	0180	R		Alarm point	Sensor error extra sensor 1	
VentActual.A_AlaPt(171)	L	0181	R		Alarm point	Sensor error extra sensor 2	
VentActual.A_AlaPt(172)	L	0182	R		Alarm point	Sensor error extra sensor 3	
VentActual.A_AlaPt(173)	L	0183	R		Alarm point	Sensor error extra sensor 4	
VentActual.A_AlaPt(174)	L	0184	R		Alarm point	Sensor error extra sensor 5	
VentActual.A_AlaPt(175)	L	0185	R		Alarm point	Sensor error external temperature setpoint	
VentActual.A_AlaPt(176)	L	0186	R		Alarm point	Signal error external flow setpoint	
VentActual.A_AlaPt(177)	L	0187	R		Alarm point	Sensor error pressure filter supply air	
VentActual.A_AlaPt(178)	L	0188	R		Alarm point	Sensor error pressure filter extract air	
VentActual.A_AlaPt(179)	L	0189	R		Alarm point	Sensor error efficiency temperature exchanger	
VentActual.A_AlaPt(180)	L	0190	R	BV, 20190	Alarm point	Fault communication device	
VentActual.A_AlaPt(181)	L	0191	R	BV, 20191	Alarm point	Malfunction Extra Controller	
VentActual.A_AlaPt(182)	L	0192	R	BV, 20192	Alarm point	Internal error	
VentActual.A_AlaPt(183)	L	0193	R	BV, 20193	Alarm point	Smoke detector service	



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VentActual.A_AlaPt(184)	L	0194	R	BV, 20194	Alarm point	Smoke detector connection error	
VentActual.A_AlaPt(185)	L	0195	R	BV, 20195	Alarm point	Malfunction preheater	4.1-1-01
VentActual.A_AlaPt(186)	L	0196	R		Alarm point	Communication fault BMS master	4.1-1-01
VentActual.A_AlaPt(187)	L	0197	R	BV, 20197	Alarm point	Leakage heater valve	4.1-1-01
VentActual.A_AlaPt(188)	L	0198	R	BV, 20198	Alarm point	Sensor error preheater temperature	4.1-1-00
VentActual.A_AlaPt(189)	L	0199	R	BV, 20199	Alarm point	Malfunction supply air fan 6	4.3-1-00
VentActual.A_AlaPt(191)	L	0200	R	BV, 20200	Alarm point	Malfunction supply air fan 7	4.3-1-00
VentActual.A_AlaPt(192)	L	0201	R	BV, 20201	Alarm point	Malfunction supply air fan 8	4.3-1-00
VentActual.A_AlaPt(193)	L	0202	R	BV, 20202	Alarm point	Malfunction extract air fan 6	4.3-1-00
VentActual.A_AlaPt(194)	L	0203	R	BV, 20203	Alarm point	Malfunction extract air fan 7	4.3-1-00
VentActual.A_AlaPt(195)	L	0204	R	BV, 20204	Alarm point	Malfunction extract air fan 8	4.3-1-00
VentActual.A_AlaPt(196)	L	0205	R	BV, 20205	Alarm point	Alarm supply air fan 6	4.3-1-00
VentActual.A_AlaPt(197)	L	0206	R	BV, 20206	Alarm point	Alarm supply air fan 7	4.3-1-00
VentActual.A_AlaPt(198)	L	0207	R	BV, 20207	Alarm point	Alarm supply air fan 8	4.3-1-00



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(199)	L	0208	R	BV, 20208	Alarm point	Alarm extract air fan 6	4.3-1-00
VentActual.A_AlaPt(190)	L	0209	R	BV, 20209	Alarm point	Alarm extract air fan 7	4.3-1-00
VentActual.A_AlaPt(200)	L	0210	R	BV, 20210	Alarm point	Alarm extract air fan 8	4.3-1-00
VentActual.A_AlaPt(201)	L	0211	R	BV, 20211	Alarm point	Warning supply air fan 6	4.3-1-00
VentActual.A_AlaPt(202)	L	0212	R	BV, 20212	Alarm point	Warning supply air fan 7	4.3-1-00
VentActual.A_AlaPt(203)	L	0213	R	BV, 20213	Alarm point	Warning supply air fan 8	4.3-1-00
VentActual.A_AlaPt(204)	L	0214	R	BV, 20214	Alarm point	Warning extract air fan 6	4.3-1-00
VentActual.A_AlaPt(205)	L	0215	R	BV, 20215	Alarm point	Warning extract air fan 7	4.3-1-00
VentActual.A_AlaPt(206)	L	0216	R	BV, 20216	Alarm point	Warning extract air fan 8	4.3-1-00
VentActual.A_AlaPt(207)	L	0217	R	BV, 20217	Alarm point	Malfunction heating zone 1	4.3-1-00
VentActual.A_AlaPt(208)	L	0218	R	BV, 20218	Alarm point	Malfunction heating zone 2	4.3-1-00
VentActual.A_AlaPt(209)	L	0219	R	BV, 20219	Alarm point	Malfunction heating zone 3	4.3-1-00
VentActual.A_AlaPt(210)	L	0220	R	BV, 20220	Alarm point	Malfunction cooling zone 1	4.3-1-00
VentActual.A_AlaPt(211)	L	0221	R	BV, 20221	Alarm point	Malfunction cooling zone 2	4.3-1-00



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VentActual.A_AlaPt(212)	L	0222	R	BV, 20222	Alarm point	Malfunction cooling zone 3	4.3-1-00
VentActual.A_AlaPt(213)	L	0223	R	BV, 20223	Alarm point	Deviation alarm supply temperature zone 1	4.3-1-00
VentActual.A_AlaPt(214)	L	0224	R	BV, 20224	Alarm point	Deviation alarm supply temperature zone 2	4.3-1-00
VentActual.A_AlaPt(215)	L	0225	R	BV, 20225	Alarm point	Deviation alarm supply temperature zone 3	4.3-1-00
VentActual.A_AlaPt(216)	L	0226	R	BV, 20226	Alarm point	Freeze protection alarm zone 1	4.3-1-00
VentActual.A_AlaPt(217)	L	0227	R	BV, 20227	Alarm point	Freeze protection alarm zone 2	4.3-1-00
VentActual.A_AlaPt(218)	L	0228	R	BV, 20228	Alarm point	Freeze protection alarm zone 3	4.3-1-00
VentActual.A_AlaPt(219)	L	0229	R	BV, 20229	Alarm point	Electric heater is overheated zone 1	4.3-1-00
VentActual.A_AlaPt(220)	L	0230	R	BV, 20230	Alarm point	Electric heater is overheated zone 2	4.3-1-00
VentActual.A_AlaPt(221)	L	0231	R	BV, 20231	Alarm point	Electric heater is overheated zone 3	4.3-1-00
VentActual.A_AlaPt(222)	L	0232	R		Alarm point	Sensor error supply air temp zone 1	4.3-1-00
VentActual.A_AlaPt(223)	L	0233	R		Alarm point	Sensor error supply air temp zone 2	4.3-1-00
VentActual.A_AlaPt(224)	L	0234	R		Alarm point	Sensor error supply air temp zone 3	4.3-1-00
VentActual.A_AlaPt(225)	L	0235	R		Alarm point	Sensor error room temp zone 1	4.3-1-00
VentActual.A_AlaPt(226)	L	0236	R		Alarm point	Sensor error room temp zone 2	4.3-1-00



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_AlaPt(227)	L	0237	R		Alarm point	Sensor error room temp zone 3	4.3-1-00
VentActual.A_AlaPt(228)	L	0238	R		Alarm point	Sensor error extract temp zone 1	4.3-1-00
VentActual.A_AlaPt(229)	L	0239	R		Alarm point	Sensor error extract temp zone 2	4.3-1-00
VentActual.A_AlaPt(230)	L	0240	R		Alarm point	Sensor error extract temp zone 3	4.3-1-00
VentActual.A_AlaPt(231)	L	0241	R		Alarm point	Sensor error freeze protection zone 1	4.3-1-00
VentActual.A_AlaPt(232)	L	0242	R		Alarm point	Sensor error freeze protection zone 2	4.3-1-00
VentActual.A_AlaPt(233)	L	0243	R		Alarm point	Sensor error freeze protection zone 3	4.3-1-00
VentActual.A_AlaPt(237)	L	0247	R		Alarm point	Device warning	4.4-1-00
VentActual.A_AlaPt(238)	L	0248	R		Alarm point	Device alarm	4.4-1-00
VentActual.A_DigitalInput(1)	L	0261	R	BV, 20261	Digital input	Actual value DI1	
VentActual.A_DigitalInput(2)	L	0262	R	BV, 20262	Digital input	Actual value DI2	
VentActual.A_DigitalInput(3)	L	0263	R	BV, 20263	Digital input	Actual value DI3	
VentActual.A_DigitalInput(4)	L	0264	R	BV, 20264	Digital input	Actual value DI4	
VentActual.A_DigitalInput(5)	L	0265	R	BV, 20265	Digital input	Actual value DI5	
VentActual.A_DigitalInput(6)	L	0266	R	BV, 20266	Digital input	Actual value DI6	
VentActual.A_DigitalInput(7)	L	0267	R	BV, 20267	Digital input	Actual value DI7	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_DigitalInput(8)	L	0268	R	BV, 20268	Digital input	Actual value DI8	
VentActual.A_DigitalInput(9)	L	0269	R	BV, 20269	Digital input	Actual value DI9 (CU283W-4: UI1)	
VentActual.A_DigitalInput(10)	L	0270	R	BV, 20270	Digital input	Actual value DI10 (CU283W-4: UI2)	
VentActual.A_DigitalInput(11)	L	0271	R	BV, 20271	Digital input	Actual value DI11 (CU283W-4: UI3)	
VentActual.A_DigitalInput(12)	L	0272	R	BV, 20272	Digital input	Actual value DI12 (CU283W-4: UI4)	
VentActual.A_DigitalInputExp1(1)	L	0273	R	BV, 20273	Digital input	Actual value exp.unit 1 DI1	
VentActual.A_DigitalInputExp1(2)	L	0274	R	BV, 20274	Digital input	Actual value exp.unit 1 DI2	
VentActual.A_DigitalInputExp1(3)	L	0275	R	BV, 20275	Digital input	Actual value exp.unit 1 DI3	
VentActual.A_DigitalInputExp1(4)	L	0276	R	BV, 20276	Digital input	Actual value exp.unit 1 DI4	
VentActual.A_DigitalInputExp1(5)	L	0277	R	BV, 20277	Digital input	Actual value exp.unit 1 DI5	
VentActual.A_DigitalInputExp1(6)	L	0278	R	BV, 20278	Digital input	Actual value exp.unit 1 DI6	
VentActual.A_DigitalInputExp1(7)	L	0279	R	BV, 20279	Digital input	Actual value exp.unit 1 DI7	
VentActual.A_DigitalInputExp1(8)	L	0280	R	BV, 20280	Digital input	Actual value exp.unit 1 DI8	
VentActual.A_DigitalInputExp1(9)	L	0281	R	BV, 20281	Universal input	Actual value exp.unit 1 digital UI1	

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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_DigitalInputExp1(10)	L	0282	R	BV, 20282	Universal input	Actual value exp.unit 1 digital UI2	
VentActual.A_DigitalInputExp1(11)	L	0283	R	BV, 20283	Universal input	Actual value exp.unit 1 digital UI3	
VentActual.A_DigitalInputExp1(12)	L	0284	R	BV, 20284	Universal input	Actual value exp.unit 1 digital UI4	
VentActual.A_DigitalInputExp2(1)	L	0285	R	BV, 20285	Digital input	Actual value exp.unit 2 DI1	
VentActual.A_DigitalInputExp2(2)	L	0286	R	BV, 20286	Digital input	Actual value exp.unit 2 DI2	
VentActual.A_DigitalInputExp2(3)	L	0287	R	BV, 20287	Digital input	Actual value exp.unit 2 DI3	
VentActual.A_DigitalInputExp2(4)	L	0288	R	BV, 20288	Digital input	Actual value exp.unit 2 DI4	
VentActual.A_DigitalInputExp2(5)	L	0289	R	BV, 20289	Digital input	Actual value exp.unit 2 DI5	
VentActual.A_DigitalInputExp2(6)	L	0290	R	BV, 20290	Digital input	Actual value exp.unit 2 DI6	
VentActual.A_DigitalInputExp2(7)	L	0291	R	BV, 20291	Digital input	Actual value exp.unit 2 DI7	
VentActual.A_DigitalInputExp2(8)	L	0292	R	BV, 20292	Digital input	Actual value exp.unit 2 DI8	
VentActual.A_DigitalInputExp2(9)	L	0293	R	BV, 20293	Universal input	Actual value exp.unit 2 digital UI1	
VentActual.A_DigitalInputExp2(10)	L	0294	R	BV, 20294	Universal input	Actual value exp.unit 2 digital UI2	
VentActual.A_DigitalInputExp2(11)	L	0295	R	BV, 20295	Universal input	Actual value exp.unit 2 digital UI3	

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VentActual.A_DigitalInputExp2(12)	L	0296	R	BV, 20296	Universal input	Actual value exp.unit 2 digital UI4	
VentActual.A_DigitalInput(13)	L	0297	R	BV, 20297	Universal input	Actual value digital UI1	4.4-1-00
VentActual.A_DigitalInput(14)	L	0298	R	BV, 20298	Universal input	Actual value digital UI2	4.4-1-00
VentActual.A_DigitalInput(15)	L	0299	R	BV, 20299	Universal input	Actual value digital UI3	4.4-1-00
VentActual.A_DigitalInput(16)	L	0300	R	BV, 20300	Universal input	Actual value digital UI4	4.4-1-00
VentActual.A_DO_SeqPumpY1(0)	L	0321	R	BV, 20321	DO function	SEQ-A pump start	
VentActual.A_DO_SeqPumpY2	L	0322	R	BV, 20322	DO function	SEQ-B pump start	
VentActual.A_DO_SeqPumpY3	L	0323	R	BV, 20323	DO function	SEQ-C pump start	
VentActual.A_DO_SeqPumpY4	L	0324	R	BV, 20324	DO function	SEQ-D pump start	
VentActual.A_DO_SeqPumpY5	L	0325	R	BV, 20325	DO function	SEQ-E pump start	
VentActual.A_DO_SeqPumpY6	L	0326	R	BV, 20326	DO function	SEQ-F pump start	
VentActual.A_DO_SeqPumpY7	L	0327	R	BV, 20327	DO function	SEQ-G pump start	
VentActual.A_DO_SeqPumpY8	L	0328	R	BV, 20328	DO function	SEQ-H pump start	
VentActual.A_DO_SeqPumpY9	L	0329	R	BV, 20329	DO function	SEQ-I pump start	



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VentActual.A_DO_SeqPumpY10	L	0330	R	BV, 20330	DO function	SEQ-J pump start	
VentActual.A_DO_SAFStart(0)	L	0331	R	BV, 20331	DO function	Supply air fan start	
VentActual.A_DO_EAFStart	L	0332	R	BV, 20332	DO function	Extract air fan start	
VentActual.A_DigitalOutput(1)	L	0333	R	BV, 20333	Digital output	Actual value DO1	
VentActual.A_DigitalOutput(2)	L	0334	R	BV, 20334	Digital output	Actual value DO2	
VentActual.A_DigitalOutput(3)	L	0335	R	BV, 20335	Digital output	Actual value DO3	
VentActual.A_DigitalOutput(4)	L	0336	R	BV, 20336	Digital output	Actual value DO4	
VentActual.A_DigitalOutput(5)	L	0337	R	BV, 20337	Digital output	Actual value DO5	
VentActual.A_DigitalOutput(6)	L	0338	R	BV, 20338	Digital output	Actual value DO6	
VentActual.A_DigitalOutput(7)	L	0339	R	BV, 20339	Digital output	Actual value DO7	
VentActual.A_DigitalOutputExp1(1)	L	0340	R	BV, 20340	Digital output	Actual value exp.unit 1 DO1	
VentActual.A_DigitalOutputExp1(2)	L	0341	R	BV, 20341	Digital output	Actual value exp.unit 1 DO2	
VentActual.A_DigitalOutputExp1(3)	L	0342	R	BV, 20342	Digital output	Actual value exp.unit 1 DO3	
VentActual.A_DigitalOutputExp1(4)	L	0343	R	BV, 20343	Digital output	Actual value exp.unit 1 DO4	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_DigitalOutputExp1(5)	L	0344	R	BV, 20344	Digital output	Actual value exp.unit 1 DO5	
VentActual.A_DigitalOutputExp1(6)	L	0345	R	BV, 20345	Digital output	Actual value exp.unit 1 DO6	
VentActual.A_DigitalOutputExp1(7)	L	0346	R	BV, 20346	Digital output	Actual value exp.unit 1 DO7	
VentActual.A_DigitalOutputExp2(1)	L	0347	R	BV, 20347	Digital output	Actual value exp.unit 2 DO1	
VentActual.A_DigitalOutputExp2(2)	L	0348	R	BV, 20348	Digital output	Actual value exp.unit 2 DO2	
VentActual.A_DigitalOutputExp2(3)	L	0349	R	BV, 20349	Digital output	Actual value exp.unit 2 DO3	
VentActual.A_DigitalOutputExp2(4)	L	0350	R	BV, 20350	Digital output	Actual value exp.unit 2 DO4	
VentActual.A_DigitalOutputExp2(5)	L	0351	R	BV, 20351	Digital output	Actual value exp.unit 2 DO5	
VentActual.A_DigitalOutputExp2(6)	L	0352	R	BV, 20352	Digital output	Actual value exp.unit 2 DO6	
VentActual.A_DigitalOutputExp2(7)	L	0353	R	BV, 20353	Digital output	Actual value exp.unit 2 DO7	
VentActual.A_DigitalOutput(8)	L	0354	R	BV, 20354	Digital output	Actual value DO8	4.4-1-00
VentActual.A_NeedHeatActive	L	0368	R	BV, 20368	Support control	Active support heating mode	
VentActual.A_NeedCoolActive	L	0369	R	BV, 20369	Support control	Active support cooling mode	
VentActual.A_DemandCO2Active	L	0370	R	BV, 20370	CO ₂	Active CO ₂ mode	



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Signal name	EXOL type	Modbus address	RW	Bacnet	Function	Description	Release
VentActual.A_RecirculationRunActive	L	0371	R	BV, 20371	Recirculation	Active recirculation mode	
VentActual.A_DeIcingActive	L	0372	R	BV, 20372	Unit information	Active defrosting mode	
VentActual.A_DO_Auxiliary1(0)	L	0373	R	BV, 20373	Digital output	Actual status of auxiliary output 1	4.1-1-01
VentActual.A_DO_Auxiliary2	L	0374	R	BV, 20374	Digital output	Actual status of auxiliary output 2	4.1-1-01
VentActual.A_DO_Auxiliary3	L	0375	R	BV, 20375	Digital output	Actual status of auxiliary output 3	4.1-1-01
VentActual.A_DO_Zone1HeatPump(0)	L	0376	R	BV, 20376	Digital output	Zone 1 heating pump start	4.3-1-00
VentActual.A_DO_Zone2HeatPump	L	0377	R	BV, 20377	Digital output	Zone 2 heating pump start	4.3-1-00
VentActual.A_DO_Zone3HeatPump	L	0378	R	BV, 20378	Digital output	Zone 3 heating pump start	4.3-1-00
VentActual.A_DO_Zone1CoolPump(0)	L	0379	R	BV, 20379	Digital output	Zone 1 cooling pump start	4.3-1-00
VentActual.A_DO_Zone2CoolPump	L	0380	R	BV, 20380	Digital output	Zone 2 cooling pump start	4.3-1-00
VentActual.A_DO_Zone3CoolPump	L	0381	R	BV, 20381	Digital output	Zone 3 cooling pump start	4.3-1-00



Get In Touch

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