SAUTER

SAUTER flexotron800 V2 Ventilation

List of network variables for Modbus- and BACnet communication

User manual

P100013563

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TRADEMARKS

Softwarerevision 3.3

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List of changes

Date	Rev./Ver. issue	Change	Section	Page
01/08/2014	P100013563	New document	All	All

1 Preface

This user manual is provided by SAUTER without a guarantee.
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All changes will be included in future versions of this manual.

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2 flexotron800 with Modbus- and BACnet-communication

Introduction

flexotron800 ventilation is a pre-programmed application for control of an air handling unit. The flexotron800 controller can either be used stand-alone or integrated in an existing project, in both cases it is configured via the display or using the configuration Sauter Case flexotron tool on a PC.

This document describes all signals that are accessible via Modbus. This document does not describe how to create a project.

Signal types

All signals that are accessible from a SCADA system are described further in this document.
The signals that have a default value are settings that can be changed from SCADA.
The signals without default values are actual values and cannot be changed from SCADA.

Variable types

The type of the variables is as following:

- R = Real (-3.3E38 - 3.3E38)
- I = Integer (-32768 - 32767)
- X = Index (0 - 255)
- L = Logic (0/1)

Modbus types

The Modbus type of the signals (types in the list below):
1 = Coil Status Register (Modbus function = 1, 5 and 15)
2 = Input Status Register (Modbus function = 2)
3 = Holding Register (Modbus function = 3, 6 and 16)
4 = Input Register (Modbus function = 4)

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 types

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)

Max 47 register

Max 47 register can be read in one message.

Communication limits

The modbus master must wait for a minimum of 3.5 charactertimes (4 ms at 9600 bps) between two messages. When the Modbus master communicates with more than one flexotron800 controller on the same communication line (RS485), the Modbus master must wait for a minimum of 14 charactertimes (16 ms at 9600 bps) between the answer and the first question for the next controller.
In the flexotron800 controller there is a limit of 10 fast communications in every half minute, the other communications will have a delayed answer of approximately 1 second.

Scale factor Modbus

Real signals have scale factor 10 except the time settings signals that have scale factor 100 and Air flow signals that have scale factor 1 for modbus communication. Integer, Index and Logic has always scale factor 1.

Modbus activation

If you try to communicate with a Modbus-activated unit using Case flexotron the input port will automatically adapt itself after approx. 1 second. The port will remain in EXO-mode (a proprietary protocole) until 10 seconds of communication inactivity have passed after which it will revert to Modbus mode.

Modbus wiring etc.

A protocol such as Modbus consists of several layers (OSI-model). The bottom layer is always the physical layer, 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 or RS232.

RS485 contra RS422

RS485 and RS422 are the electric part of the protocol, i.e. the physical layer.
RS485 has two connections, A and B. Often there is also a protecive earth.
RS485 units are always connected A → A and B → B. RS485 is so called half duplex communication: Communication can only go in one direction at a time; i.e. the master will first send an enquiery and will thereafter listen for the reply. A and B are used for both transmission and reception.

RS422 is a full duplex communication which means you need 4 wires, 2 for transmit (Tx+ and Tx-) and 2 for receive (Rx+ and Rx-). Tx is used to transmit and Rx to receive which means that Tx in one unit must be connected to Rx in the other and vice versa. As for signal levels etc. RS422 and RS485 are identical.

To interconnect RS485 and RS422: On the RS422 unit connect Tx+ with Rx+ and Tx- with Rx-. We have now changed a 4-wire system to a 2-wire system and can connect them to A and B on the RS485 unit. Which goes where is something you most often need to find out by trial and error. Incorrect polarity will just give non-function but cannot harm either unit.

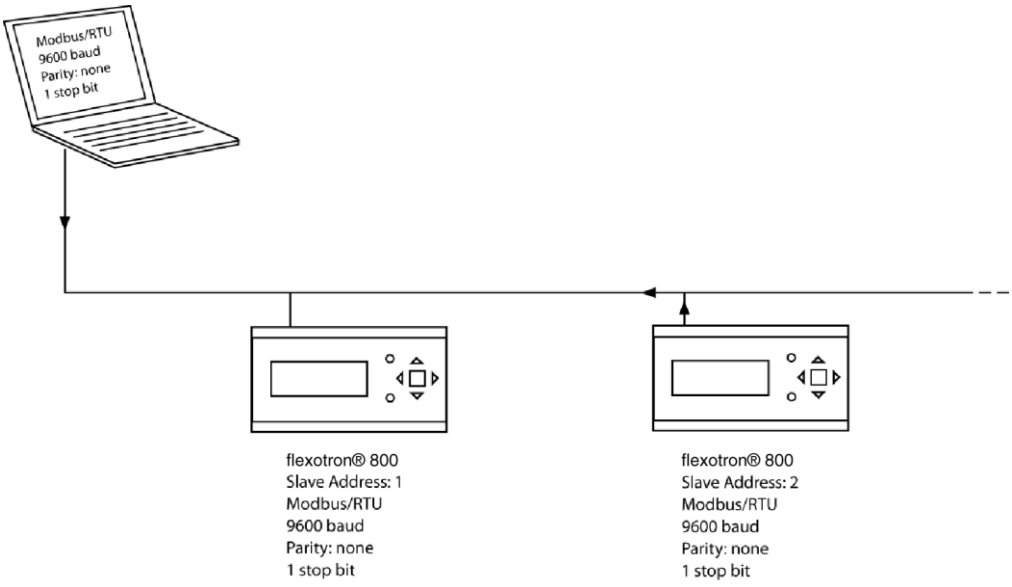
```
Tx+  -----|----------------------------------------  D+ (or D-)
          |
Rx+ ------|

Tx-  -----|----------------------------------------  D+  (or D-)
          |
Rx- ------|
```

Bitrate, one stop bit, parity is the next layer.
These settings must correspond to the settings in the master unit. Find out how the master is set and then give the flexotron800 the same settings.

Parity can be set to odd, even or none. You can only choose one stop-bit. 1 start-bit, 8 data-bits, 1 parity-bit and 1 stop-bit give a total of 11 bits which is the maximum.

Visualised example

The simplified example below visualises the Master/Slave relation. In addition to the figure, checksums for message validation are also transmitted in both query and answer.

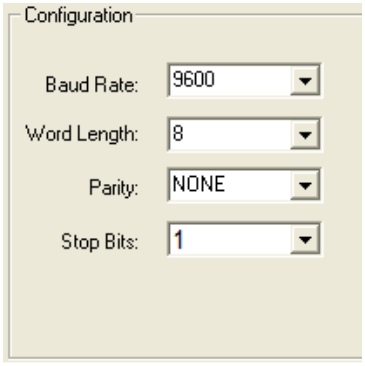


3 System integration using Modbus

Configuration

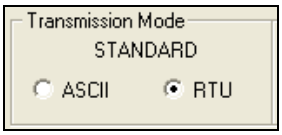
The first important thing to configure is the communication parameters for the Modbus line. As described earlier, these parameters must be identical in the master unit and the slave units, since they define the structure of messages and the transmission speed.

The default configuration values of a flexotron800 controller are shown in the figure below.



Transmission mode

flexotron800 uses the RTU transmission mode, not to be mixed up with the ASCII mode in the settings. The settings for 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.

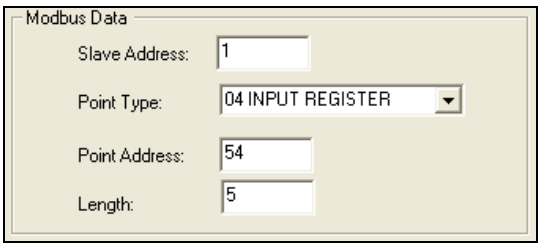


Writing values

To override the flexotron800 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.

Reading values

An effective way to read values is to read multiple variables simultaneously. For example, to read all analogue outputs, set the Modbus query to the values shown in the figure below. The first analogue output variable starts at address 54 (QAnaOut.AQ1). To read address 54 to 58, set the length to 5. Then the Modbus answer will communicate all 5 values in just one message, making the communication more effective.


Modbus Data
Slave Address:
1
Point Type:
04 INPUT REGISTER
Point Address:
54
Length:
5

4 Commonly used signals

To simplify system integration, a register of commonly used signals is provided below.

4.1 Input Status

Variable name	Variable type	Modbus adress	BACnet	Default value	Function	Description
VentActual.Cor_ExtendedRunActiveFull	L	8	BV, 20008		Actual/Setpoint	Set if extended operation full speed
VentActual.Cor_ExtendedRunActiveHalf	L	9	BV, 20009		Actual/Setpoint	Set if extended operation half speed
VentActual.Cor_AlaPt(1) … VentActual.Cor_AlaPt(48)	L	33 … 80	BV, 20033 … BV, 20080		Alarm Points	Run Error Supply Air Fan 0=No alarm 1=Alarm … Internal battery error
VentActual.Cor_AlaPt(49) … VentActual.Cor_AlaPt(100)	L	90 … 141	BV, 20090 … BV, 20141		Alarm Points	Sensor error Supply Air temp … Low temp Extra sensor 5

4.2 Holding Register – Setpoint settings

Holding register values are adjustable (read/write).

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_SupplySetpoint	R	1	AV, 30001	18°C	Supply, Extract and Room temperatures	Setpoint supply air temperature when constant supply air temperature function
VentSettings.Cor_ExhaustSetpoint	R	18	AV, 30018	21°C	Supply, Extract and Room temperatures	Setpoint extract air temp if extract air temp control function
VentSettings.Cor_RoomSetP	R	19	AV, 30019	21°C	Supply, Extract and Room temperatures	Room setpoint if room temp control function
VentSettings.Cor_SAFFullspeedPressure	R	24	AV, 30024	500 Pa	SAF/EAF Pressure and	Setpoint full speed supply air fan pressure

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
					Flow	
VentSettings.Cor_SAFHalfspeedPressure	R	25	AV, 30025	250 Pa	SAF/EAF Pressure and Flow	Setpoint reduced speed supply air fan pressure
VentSettings.Cor_EAFFullspeedPressure	R	26	AV, 30026	500 Pa	SAF/EAF Pressure and Flow	Setpoint full speed extract air fan pressure
VentSettings.Cor_EAFHalfspeedPressure	R	27	AV, 30027	250 Pa	SAF/EAF Pressure and Flow	Setpoint reduced speed extract air fan pressure
VentSettings.Cor_SAFFullspeedAirFlow	R	28	AV, 30028	2000 m3/h	SAF/EAF Pressure and Flow	Setpoint full speed supply air fan flow. Scale factor = 1
VentSettings.Cor_SAFHalfspeedAirFlow	R	29	AV, 30029	1000 m3/h	SAF/EAF Pressure and Flow	Setpoint reduced speed supply air fan flow. Scale factor = 1
VentSettings.Cor_EAFFullspeedAirFlow	R	30	AV, 30030	2000 m3/h	SAF/EAF Pressure and Flow	Setpoint full speed extract air fan flow. Scale factor = 1
VentSettings.Cor_EAFHalfspeedAirFlow	R	31	AV, 30031	1000 m3/h	SAF/EAF Pressure and Flow	Setpoint reduced speed extract air fan flow. Scale factor = 1
VentActual.Cor_Outdoor temp(0)	R	392	AV, 30392		Actual/Setpoint	Outdoor temperature (Can be modified if it's not connected to a physical analogue input).
VentSettings.Cor_SupplySetpointMax	R	404	AV, 30404	30°C	Supply, Extract and Room temperatures	Max limit of supply setpoint when cascade control
VentSettings.Cor_SupplySetpointMin	R	405	AV, 30405	12°C	Supply, Extract and Room temperatures	Min limit of supply setpoint when cascade control
VentSettings.Cor_DemandCO2Value1	R	465	AV, 30465	800	CO2	Activation of demand-controlled ventilation, 1/2-speed
VentSettings.Cor_DemandCO2Value2	R	466	AV, 30466	1000	CO2	Activation of demand-controlled ventilation, 1/1-speed
VentSettings.Cor_DemandCO2Diff	R	467	AV, 30467	160	CO2	Hysteresis for stop of demand controlled ventilation (ppm)

4.3 Holding Register – Manual / Auto settings

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_AirUnitAutoMode	X	368	MSV, 30368	3	Manual/Auto	Running mode air unit: Modbus: 0=Manual off 1=Manual reduced speed 2=Manual normal speed 3=Auto BACnet: 1=Manual off 2=Manual reduced speed 3=Manual normal speed 4=Auto
VentSettings.Cor_SupplyPID_Select	X	369	-	2	Manual/Auto	Supply temp controller mode: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_SupplyPID_ManSet	R	370	-	0 %	Manual/Auto	Supply temp controller output if manual on mode
VentSettings.Cor_SAFAutoMode(0)	X	371	-	3	Manual/Auto	Running mode SAF: 0=Off 1=Manual half speed 2=Manual full speed 3=Auto
VentSettings.Cor_EAFAutoMode	X	372	-	3	Manual/Auto	Running mode EAF: 0=Off 1=Manual half speed 2=Manual full speed 3=Auto
VentSettings.Cor_SAFFrequenceAutoMode	X	373	-	3	Manual/Auto	Running mode frequence controlled SAF 0=Manual 1=Man. half speed 2=Man. Fullspeed 3=Auto
VentSettings.Cor_SAFManual	R	374	-	0 %	Manual/Auto	Freguencer controller output SAF if manual mode
VentSettings.Cor_EAFFrequenceAutoMode	X	375	-	3	Manual/Auto	Running mode frequence controlled EAF 0=Manual 1=Man. half speed 2=Man. Fullspeed 3=Auto
VentSettings.Cor_EAFManual	R	376	-	0 %	Manual/Auto	Freguencer controller output EAF if manual mode
VentSettings.Cor_HeatCoilAutoMode(0)	X	377	-	2	Manual/Auto	Running mode Heating:

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						0=Off 1=Manual 2=Auto
VentSettings.Cor_HeatCoilManual(0)	R	378	-	0	Manual/Auto	Heating controller output if manual mode
VentSettings.Cor_ExchCoilAutoMode	X	379	-	2	Manual/Auto	Running mode Exchanger: 0=Off 1=Manual 2=Auto
VentSettings.Cor_ExchCoilManual	R	380	-	0	Manual/Auto	Exchanger controller output if manual mode
VentSettings.Cor_CoolCoilAutoMode	X	381	-	2	Manual/Auto	Running mode Cooling: 0=Off 1=Manual 2=Auto
VentSettings.Cor_CoolCoilManual	R	382	-	0	Manual/Auto	Cooling controller output if manual mode
VentSettings.Cor_HumidityPID_Select	X	383	-	2	Manual/Auto	Running mode Humidification/Dehumidification: 0=Off 1=Manual 2=Auto
VentSettings.Cor_HumidityPID_ManSet	R	384	-	0	Manual/Auto	Humidification/Dehumidification controller output if manual mode
VentSettings.Cor_HeatPumpAutoMode(0)	X	385	-	2	Manual/Auto	Running mode P1-Heating: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_ExchPumpAutoMode	X	386	-	2	Manual/Auto	Running mode P1-Exchanger: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_CoolPumpAutoMode	X	387	-	2	Manual/Auto	Running mode P1-Cooling: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_FireDamperAutoMode	X	388	-	2	Manual/Auto	Running mode fire damper: 0=Close 1=Open 2=Auto
VentSettings.Cor_ExternalControl	X	451	MSV, 30451	2	Manual/Auto	External control: Modbus:

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						0=Extended run full speed 1=External stop 2=No external control 3=External stop with support control BACnet: 1=Extended run full speed 2=External stop 3=No external control 4=External stop with support control

4.4 Input Register

Input register values are read-only.

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentActual.Cor_Outdoor temp(0)	R	1	AV, 40001		Actual/Setpoint	Outdoor temperature (read-only)
VentActual.Cor_Efficiency	R	2	AV, 40002		Actual/Setpoint	Efficiency in % for exchanger
VentActual.Cor_RunMode	X	3	MSV, 40003		Actual/Setpoint	Modbus: 0=Stopped 1=Starting up 2=Starting reduced speed 3=Starting full speed 4=Starting normal run 5=Normal run 6=Support control heating 7=Support control cooling 8=CO2 run 9=Night cooling 10=Full speed stop 11=Stopping fan BACnet: 1=Stopped 2=Starting up 3=Starting reduced speed 4=Starting full speed 5=Starting normal run 6=Normal run 7=Support control heating

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						8=Support control cooling 9=CO2 run 10=Night cooling 11=Full speed stop 12=Stopping fan
VentActual.Cor_SupplyAirTemp	R	7	AV, 40007		Supply, Extract and Room temperatures	Supply air temperature
VentActual.Cor_ExtractAirTemp	R	9	AV, 40009		Supply, Extract and Room temperatures	Extract air temp
VentActual.Cor_RoomTemp1	R	10	AV, 40010		Supply, Extract and Room temperatures	Room temperature 1
VentActual.Cor_RoomTemp2	R	11	AV, 40011		Supply, Extract and Room temperatures	Room temperature 2
VentActual.Cor_SAFPressure	R	13	AV, 40013		SAF/EAF Pressure and Flow	Supply air fan pressure (Pa)
VentActual.Cor_EAFPressure	R	14	AV, 40014		SAF/EAF Pressure and Flow	Extract air fan pressure (Pa)
VentActual.Cor_SAFAirFlow	R	15	AV, 40015		SAF/EAF Pressure and Flow	Supply air fan flow (m3/h). Scale factor = 1
VentActual.Cor_EAFAirFlow	R	16	AV, 40016		SAF/EAF Pressure and Flow	Extract air fan flow (m3/h). Scale factor = 1
VentActual.Cor_CO2Sensor	R	17	AV, 40017		CO2	CO2 (ppm)
VentActual.Cor_FrostprotectionTemp	R	19	AV, 40019		Frost protection	Frost protection temp
VentActual.Cor_DeIcingTemp	R	21	AV, 40021		Extract air temp/De-icing exchanger	De-icing temp exchanger
VentActual.Cor_HumidityRoom	R	23	AV, 40023		Humidity	Humidity room
VentActual.Cor_ExtraSensor	R	25	AV, 40025		Additional sensor/ External setpoint	Extra sensor 1/External setpoint (depending on configuration)
VentActual.Cor_HeatCV1(0)	R	119	AV, 40119		Analogue outputs	Control signal heating Y1 (0...10 V)
VentActual.Cor_ExchCV1	R	120	AV, 40120		Analogue outputs	Control signal exchanger Y2 (0...10 V)
VentActual.Cor_CoolCV1	R	121	AV, 40121		Analogue	Control signal cooler Y3

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
					outputs	(0...10 V)
VentActual.Cor_SAF	R	122	AV, 40122		SAF/EAF Pressure and Flow	Control signal supply air fan (0...10 V)
VentActual.Cor_EAF	R	123	AV, 40123		SAF/EAF Pressure and Flow	Control signal extract air fan (0...10 V)
VentActual.Cor_UnitRunMode	X	284	MSV, 40284		Actual/Setpoint	Unit run mode: Modbus: 0=Off 1=Reduced speed 2=Normal speed 3=Stop because of alarm BACnet: 1=Off 2=Reduced speed 3=Normal speed 4=Stop because of alarm
VentActual.Cor_FilterGuard1AI	R	301	AV, 40301		Actual/Setpoint	Analogue filter 1 value (Pa)
VentActual.Cor_FilterGuard2AI	R	302	AV, 40302		Actual/Setpoint	Analogue filter 2 value (Pa)

5 Coil Status Register

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_OverHeatFastStop	L	1	-	0	Settings, General	Enable fast stop if overheat alarm
VentSettings.Cor_CoolStepAlarmBlock	L	2	-	0	Settings, General	Block cooling step signals if this is set and alarm "Run Error P1-Cooler"
VentSettings.Cor_AlaAcknowAll	L	3	BV, 10003	0	Settings, General	Command to acknowledge all alarms
VentSettings.Cor_AlaAcknowAll	L	3	-	0	Alarm Acknowledging, Blocking and Unblocking	Command to acknowledge all alarms
VentSettings.Cor_ReservedL	L	4	-	0	Settings, General	Not used
VentSettings.Cor_RecycleNightCool	L	5	-	0	Recirculation	Enable the night cool function when Recirculation run
VentSettings.Cor_RecycleExtraTimeGroup5	L	6	-	0	Recirculation	Use ExtraTimeGroup 5 to start Recirculation run
VentSettings. Cor_CompSAFOnly	L	7	-	0	SAF/EAF Pressure and Flow	Is set if only SAF pressure should be compensated
VentSettings.Cor_NeedControl	L	8	-	0	Settings, General	Enable support control if the unit is shut down
VentSettings.Cor_DeIcingFunction	L	9	-	0	Extract air temp/De-icing exchanger	Enable the de-icing function
VentSettings.Cor_FilterAlarmReset	L	10	-	0	Settings, General	Resets the filter alarm counter
VentSettings.Cor_ReservedL	L	11	-	0	Settings, General	Not used
VentSettings.Cor_ReservedL	L	12	-	0	Settings, General	Not used
VentSettings.Cor_ReservedL	L	13	-	0	Settings, General	Not used
VentSettings.Cor_ReservedL	L	14	-	0	Settings, General	Not used
VentSettings.Cor_ReservedL	L	15	-	0	Settings, General	Not used
VentSettings.Cor_ReservedL	L	16	-	0	Settings, General	Not used

6 Input Register

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentActual.Cor_OutDoorTemp(0)	R	1	AV, 40001		Actual/Setpoint	Outdoor temperature (read-only)
VentActual.Cor_Efficiency	R	2	AV, 40002		Actual/Setpoint	Efficiency in % for exchanger
VentActual.Cor_RunMode	X	3	MSV, 40003		Actual/Setpoint	0=Stopped 1=Starting up 2=Starting reduced speed 3=Starting full speed 4=Starting normal run 5=Normal run 6=Support control heating 7=Support control cooling 8=CO_2 run 9=Night cooling 10=Full speed stop 11=Stopping fan
VentActual.Cor_SAFRunTime	R	4	AV, 40004		Actual/Setpoint	Running time (hour) supply air fan
VentActual.Cor_EAFRunTime	R	5	AV, 40005		Actual/Setpoint	Running time (hour) extract air fan
VentActual.Cor_ExtendedRunMin	I	6	-		Actual/Setpoint	Number of minutes extended operation
VentActual.Cor_SupplyAirTemp	R	7	AV, 40007		Supply,Extract and Room temperatures	Supply air temperature
VentActual.Cor_SupplyPID_SetP	R	8	AV, 40008		Supply,Extract and Room temperatures	Calculated setpoint supply air temperature when outdoor compensated control function
VentActual.Cor_ExtractAirTemp	R	9	AV, 40009		Supply,Extract and Room temperatures	Extract air temp
VentActual.Cor_RoomTemp1	R	10	AV, 40010		Supply,Extract and Room temperatures	Room temperature 1
VentActual.Cor_RoomTemp2	R	11	AV, 40011		Supply,Extract and Room temperatures	Room temperature 2
VentActual. Cor_NeedRunTime	I	12	-		Supply,Extract and Room temperatures	Number of minutes in ongoing support heating/cooling
VentActual.Cor_SAFPressure	R	13	AV, 40013		SAF/EAF Pressure and Flow	Supply air fan pressure (Pa)
VentActual.Cor_EAFPressure	R	14	AV, 40014		SAF/EAF Pressure and Flow	Extract air fan pressure (Pa)
VentActual.Cor_SAFAirFlow	R	15	AV, 40015		SAF/EAF Pressure	Supply air fan flow (m3/h).

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
					and Flow	Scale factor = 1
VentActual.Cor_EAFAirFlow	R	16	AV, 40016		SAF/EAF Pressure and Flow	Extract air fan flow (m3/h) Scale factor = 1
VentActual.Cor_CO2Sensor	R	17	AV, 40017		CO_2	CO_2 (ppm)
VentActual.Cor_DemandRunTime	I	18	-		CO_2	Number of minutes support run time CO_2
VentActual.Cor_FrostprotectionTemp	R	19	AV, 40019		Frost protection	Frost protection temp
VentActual.Cor_ExhaustAirTemp	R	20	AV, 40020		Extract air temp/De-icing exchanger	Exhaust air temp
VentActual.Cor_DeIcingTemp	R	21	AV, 40021		Extract air temp/De-icing exchanger	De-icing temp exchanger
VentActual.Cor_DeIcingTime	X	22	-		Extract air temp/De-icing exchanger	Number of minutes for ongoing de-icing
VentActual.Cor_HumidityRoom	R	23	AV, 40023		Humidity	Humidity room
VentActual.Cor_HumidityDuct	R	24	AV, 40024		Humidity	Humidity duct
VentActual.Cor_ExtraSensor	R	25	AV, 40025		Additional sensor/External setpoint	Extra sensor 1 / External setpoint (depending on the configuration)
VentActual.Cor_AnalogInput1(0)	R	26	-		Analogue inputs	The scaled and filtered value of AI1
VentActual.Cor_AnalogInput2	R	27	-		Analogue inputs	The scaled and filtered value of AI2
VentActual.Cor_AnalogInput3	R	28	-		Analogue inputs	The scaled and filtered value of AI3
VentActual.Cor_AnalogInput4	R	29	-		Analogue inputs	The scaled and filtered value of AI4
VentActual.Cor_AnalogInput5	R	30	-		Universal inputs	The scaled and filtered value of UAI1
VentActual.Cor_AnalogInput6	R	31	-		Universal inputs	The scaled and filtered value of UAI2
VentActual.Cor_AnalogInput7	R	32	-		Universal inputs	The scaled and filtered value of UAI3
VentActual.Cor_AnalogInput8	R	33	-		Universal inputs	The scaled and filtered value of UAI4
VentSettings.Cor_Ai1(0)	X	34	-		Analogue inputs	Connected signal on AI1: 0=Not used 1=Outdoortemp 2=Supplytemp 3=Extracttemp 4=Roomtemp1 5=Roomtemp2 6=Exhausttemp 7=Extrasensor 8=SAF pressure

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						9=EAF pressure 10=Deicingtemp 11=Frost prot.temp 12=CO_2 13=Humidity room 14=Humidity duct 15=Extra unit temp 16=External SAF control 17=External EAF control 18=SAF pressure 2 19=Humidity outdoor
VentSettings.Cor_Ai2	X	35	-		Analogue inputs	Connected signal on AI2:
VentSettings.Cor_Ai3	X	36	-		Analogue inputs	Connected signal on AI3:
VentSettings.Cor_Ai4	X	37	-		Analogue inputs	Connected signal on AI4:
VentSettings.Cor_UAi1	X	38	-		Universal inputs	Connected signal on UAI1: 0=Not used 1=Outdoortemp 2=Supplytemp 3=Extracttemp 4=Roomtemp1 5=Roomtemp2 6=Exhausttemp 7=Extrasensor 8=SAF pressure 9=EAF pressure 10=Deicingtemp 11=Frost prot.temp 12=CO_2 13=Humidity room 14=Humidity duct 15=Extra unit temp 16=External SAF control 17=External EAF control 18=SAF pressure 2 19=Humidity outdoor
VentSettings.Cor_UAi2	X	39	-		Universal inputs	Connected signal on UAI2: (See signal list for UAI1)
VentSettings.Cor_UAi3	X	40	-		Universal inputs	Connected signal on UAI3: (See signal list for UAI1)
VentSettings.Cor_UAi4	X	41	-		Universal inputs	Connected signal on UAI4: (See signal list for UAI1)
VentSettings.Cor_Di1(0)	X	42	-		Digital inputs	Connected signal on DI1: 0=Not used 1=SAF-Ind 2=EAF-Ind 3=P1-Heating 4=P1-Exchanger 5=P1-Cooling 6=Filter guard

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						7=Fire alarm 8=Fire damper-ind 9=Ext run 1/1 10=Ext run ½ 11=External alarm 12=External switch 13=Flow guard 14=Rot.sent.exch 15=De-icing 16=Frostprotection 17=Overheatprotection 18=Recirculation run 19=Change over 20=Filter guard 2
VentSettings.Cor_Di2	X	43	-		Digital inputs	Connected signal on DI2: (See signal list for DI1)
VentSettings.Cor_Di3	X	44	-		Digital inputs	Connected signal on DI3: (See signal list for DI1)
VentSettings.Cor_Di4	X	45	-		Digital inputs	Connected signal on DI4: (See signal list for DI1)
VentSettings.Cor_Di5	X	46	-		Digital inputs	Connected signal on DI5: (See signal list for DI1)
VentSettings.Cor_Di6	X	47	-		Digital inputs	Connected signal on DI6: (See signal list for DI1)
VentSettings.Cor_Di7	X	48	-		Digital inputs	Connected signal on DI7: (See signal list for DI1)
VentSettings.Cor_Di8	X	49	-		Digital inputs	Connected signal on DI8: (See signal list for DI1)
VentSettings.Cor_UDi1	X	50	-		Universal inputs	Connected signal on UDI1: 0=Not used 1=SAF-Ind 2=EAF-Ind 3=P1-Heating 4=P1-Exchanger 5=P1-Cooling 6=Filter guard 7=Fire alarm 8=Fire damper-ind 9=Ext run 1/1 10=Ext run ½ 11=External alarm 12=External switch 13=Flow guard 14=Rot.sent.exch 15=De-icing 16=Frostprotection 17=Overheatprotection 18=Recirculation run

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						19=Change over 20=Filter guard 2
VentSettings.Cor_UDi2	X	51	-		Universal inputs	Connected signal on UDI2: (See signal list for UDI1)
VentSettings.Cor_UDi3	X	52	-		Universal inputs	Connected signal on UDI3: (See signal list for UDI1)
VentSettings.Cor_UDi4	X	53	-		Universal inputs	Connected signal on UDI4: (See signal list for UDI1)
QAnaOut.AQ1	R	54	-		Analogue outputs	Value of AO1
QAnaOut.AQ2	R	55	-		Analogue outputs	Value of AO2
QAnaOut.AQ3	R	56	-		Analogue outputs	Value of AO3
QAnaOut.AQ4	R	57	-		Analogue outputs	Value of AO4
QAnaOut.AQ5	R	58	-		Analogue outputs	Value of AO5
VentSettings.Cor_Ao1(0)	X	59	-		Analogue outputs	Connected signal on AO1: 0=Not used 1=Y1-Heating 2=Y2-Exchanger 3=Y3-Cooling 4=SAF 5=EAF 6=Y6-Humidity 7=Split of Y1, Y2 or Y3 8=Extra unit 9=Heat/Cool (change over) 10=Extra sequence Y4
VentSettings.Cor_Ao2	X	60	-		Analogue outputs	Connected signal on AO2: (See signal list for AO1)
VentSettings.Cor_Ao3	X	61	-		Analogue outputs	Connected signal on AO3: (See signal list for AO1)
VentSettings.Cor_Ao4	X	62	-		Analogue outputs	Connected signal on AO4: (See signal list for AO1)
VentSettings.Cor_Ao5	X	63	-		Analogue outputs	Connected signal on AO5: (See signal list for AO1)
VentSettings.Cor_Do1(0)	X	64	-		Digital outputs	Connected signal on DO1: 0 = Not Used 1 = SAFStart1 2 = EAFStart1 3 = SAFStart2 4 = EAFStart2 5 = HeatingPumpStart 6 = ExchangerStart 7 = CoolingPumpStart 8 = FireDamper 9 = SumAlarm

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						10 = SumAlarmA 11 = SumAlarmB 12 = SAFFrequencyStart 13 = EAFFrequencyStart 14 = HeatingActivate 15 = ExchangerActivate 16 = CoolingActivate 17 = RecycleAirDamper 18 = FreshAirDamper 19 = ExtractAirDamper 20 = HeatingIncrease 21 = HeatingDecrease 22 = ExchangerIncrease 23 = ExchangerDecrease 24 = CoolingIncrease 25 = CoolingDecrease 26 = HeatStep1 27 = HeatStep2 28 = HeatStep3 29 = HeatStep4 30 = CoolStep1 31 = CoolStep2 32 = CoolStep3 33 = TimeChannel1 34 = TimeChannel2 35 = TimeChannel3 36 = TimeChannel4 37 = TimeChannel5 38 = Humidity start 39 = Extra unit start 40 = Heat/Cool step 1 41 = Heat/Cool step 2 42 = Heat/Cool step 3 43 = Night cool run
VentSettings.Cor_Do2	X	65	-		Digital outputs	Connected signal on DO2: (See signal list for DO1)
VentSettings.Cor_Do3	X	66	-		Digital outputs	Connected signal on DO3: (See signal list for DO1)
VentSettings.Cor_Do4	X	67	-		Digital outputs	Connected signal on DO4: (See signal list for DO1)
VentSettings.Cor_Do5	X	68	-		Digital outputs	Connected signal on DO5: (See signal list for DO1)
VentSettings.Cor_Do6	X	69	-		Digital outputs	Connected signal on DO6: (See signal list for DO1)
VentSettings.Cor_Do7	X	70	-		Digital outputs	Connected signal on DO7: (See signal list for DO1)
AlaData.AlaPt1_Status	X	71	-		Alarm Status	Run Error Supply Air Fan 0=Not used 1=Normal

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						2=Blocked 3=Acknowledge 4=Not used 5=Cancelled 6=Not used 7=Alarm
AlaData.AlaPt2_Status	X	72	-		Alarm Status	Run Error Extract Air Fan
AlaData.AlaPt3_Status	X	73	-		Alarm Status	Run Error P1-Heater
AlaData.AlaPt4_Status	X	74	-		Alarm Status	Run Error P1-Cooler
AlaData.AlaPt5_Status	X	75	-		Alarm Status	Run Error P1-Exchanger
AlaData.AlaPt6_Status	X	76	-		Alarm Status	Filter guard
AlaData.AlaPt7_Status	X	77	-		Alarm Status	Flow guard
AlaData.AlaPt8_Status	X	78	-		Alarm Status	External frost guard
AlaData.AlaPt9_Status	X	79	-		Alarm Status	Deicing pressure guard
AlaData.AlaPt10_Status	X	80	-		Alarm Status	Fire alarm
AlaData.AlaPt11_Status	X	81	-		Alarm Status	External switch
AlaData.AlaPt12_Status	X	82	-		Alarm Status	External alarm
AlaData.AlaPt13_Status	X	83	-		Alarm Status	Supply Air control error
AlaData.AlaPt14_Status	X	84	-		Alarm Status	Not used
AlaData.AlaPt15_Status	X	85	-		Alarm Status	High supply air temp
AlaData.AlaPt16_Status	X	86	-		Alarm Status	Low supply air temp
AlaData.AlaPt17_Status	X	87	-		Alarm Status	Supply Air Fan max limit
AlaData.AlaPt18_Status	X	88	-		Alarm Status	Supply Air Fan min limit
AlaData.AlaPt19_Status	X	89	-		Alarm Status	High room temp
AlaData.AlaPt20_Status	X	90	-		Alarm Status	Low room temp
AlaData.AlaPt21_Status	X	91	-		Alarm Status	High extract air temp
AlaData.AlaPt22_Status	X	92	-		Alarm Status	Low extract air temp
AlaData.AlaPt23_Status	X	93	-		Alarm Status	Electric heating is overheated
AlaData.AlaPt24_Status	X	94	-		Alarm Status	Frost risk
AlaData.AlaPt25_Status	X	95	-		Alarm Status	Low frost guard temp
AlaData.AlaPt26_Status	X	96	-		Alarm Status	Low efficiency
AlaData.AlaPt27_Status	X	97	-		Alarm Status	Sensor error outdoor temp
AlaData.AlaPt28_Status	X	98	-		Alarm Status	Analogue deicing
AlaData.AlaPt29_Status	X	99	-		Alarm Status	Rotation guard exchanger

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
AlaData.AlaPt30_Status	X	100	-		Alarm Status	Fire damper is out of operation
AlaData.AlaPt31_Status	X	101	-		Alarm Status	Supply Air Fan control error
AlaData.AlaPt32_Status	X	102	-		Alarm Status	Extract Air Fan control error
AlaData.AlaPt33_Status	X	103	-		Alarm Status	Supply Air Fan external operation
AlaData.AlaPt34_Status	X	104	-		Alarm Status	Extract Air Fan external operation
AlaData.AlaPt35_Status	X	105	-		Alarm Status	Ventilation Manual mode
AlaData.AlaPt36_Status	X	106	-		Alarm Status	Manual supply air control
AlaData.AlaPt37_Status	X	107	-		Alarm Status	Manual Supply Air Fan mode
AlaData.AlaPt38_Status	X	108	-		Alarm Status	Manual Supply Air Fan freq control
AlaData.AlaPt39_Status	X	109	-		Alarm Status	Manual Extract Air Fan mode
AlaData.AlaPt40_Status	X	110	-		Alarm Status	Manual Extract Air Fan freq control
AlaData.AlaPt41_Status	X	111	-		Alarm Status	Manual heater control
AlaData.AlaPt42_Status	X	112	-		Alarm Status	Manual cooler control
AlaData.AlaPt43_Status	X	113	-		Alarm Status	Manual exchanger control
AlaData.AlaPt44_Status	X	114	-		Alarm Status	Manual P1-Heater
AlaData.AlaPt45_Status	X	115	-		Alarm Status	Manual P1-Cooler
AlaData.AlaPt46_Status	X	116	-		Alarm Status	Manual P1-Exchanger
AlaData.AlaPt47_Status	X	117	-		Alarm Status	Manual fire damper
AlaData.AlaPt48_Status	X	118	-		Alarm Status	Internal battery error
VentActual.Cor_HeatCV1(0)	R	119	AV, 40119		Supply, Extract and Room temperatures	Control signal heating Y1 (0-10 V)
VentActual.Cor_ExchCV1	R	120	AV, 40120		Supply, Extract and Room temperatures	Control signal exchanger Y2 (0-10 V)
VentActual.Cor_CoolCV1	R	121	AV, 40121		Supply, Extract and Room temperatures	Control signal cooler Y3 (0-10 V)
VentActual.Cor_SAF	R	122	AV, 40122		SAF/EAF Pressure and Flow	Control signal supply air fan (0-10 V)
VentActual.Cor_EAF	R	123	AV, 40123		SAF/EAF Pressure and Flow	Control signal extract air fan (0-10 V)

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentActual.Cor_Humidity	R	124	AV, 40124		Humidity	Control signal humidity (0-10 V)
VentActual.Cor_Split	R	125	AV, 40125		Supply, Extract and Room temperatures	Control signal split (0-10 V)
VentActual.Cor_SupplyPID_Output	R	126	AV, 40126		Supply, Extract and Room temperatures	Supply controller output (0-100 %)
VentActual.Cor_ExhaustPID_Output	R	127	AV, 40127		Supply, Extract and Room temperatures	Extract controller output (0-100 %)
VentActual.Cor_SAFPID_Output	R	128	AV, 40128		SAF/EAF Pressure and Flow	SAF controller output (0-100 %)
VentActual.Cor_EAFPID_Output	R	129	AV, 40129		SAF/EAF Pressure and Flow	EAF controller output (0-100 %)
VentActual.Cor_FrostPID_Output	R	130	AV, 40130		Frost protection	Frost protection controller output if ventilation unit is stoped (0-100 %)
VentActual.Cor_CO2PID_Output	R	131	AV, 40131		CO_2	CO_2 controller output (0-100 %)
VentActual.Cor_RoomPID_Output	R	132	AV, 40132		Supply, Extract and Room temperatures	Room controller output (0-100 %)
VentActual.Cor_DeIcePID_Output	R	133	AV, 40133		Extract air temp/De-icing exchanger	De-icing controller output (0-100 %)
VentActual.Cor_HumidityPID_Output	R	134	AV, 40134		Humidity	Humidity controller output (0-100 %)
VentActual.Cor_RoomTemp	R	135	AV, 40135		Supply, Extract and Room temperatures	Room temperature 1 and 2
AlaData.AlaPt49_Status	X	137	-		Alarm Status	Sensor error Supply Air temp
AlaData.AlaPt50_Status	X	138	-		Alarm Status	Sensor error Exhaust Air temp
AlaData.AlaPt51_Status	X	139	-		Alarm Status	Sensor error Room temp 1
AlaData.AlaPt52_Status	X	140	-		Alarm Status	Sensor error Room temp 2
AlaData.AlaPt53_Status	X	141	-		Alarm Status	Sensor error Extract Air temp
AlaData.AlaPt54_Status	X	142	-		Alarm Status	Sensor error Extra sensor
AlaData.AlaPt55_Status	X	143	-		Alarm Status	Sensor error SAF pressure
AlaData.AlaPt56_Status	X	144	-		Alarm Status	Sensor error EAF pressure
AlaData.AlaPt57_Status	X	145	-		Alarm Status	Sensor error Deicing temp
AlaData.AlaPt58_Status	X	146	-		Alarm Status	Sensor error Frost Protection temp

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
AlaData.AlaPt59_Status	X	147	-		Alarm Status	Sensor error CO_2
AlaData.AlaPt60_Status	X	148	-		Alarm Status	Sensor error Humidity room
AlaData.AlaPt61_Status	X	149	-		Alarm Status	Sensor error Humidity duct
VentActual.Cor_ExtraUnitTemp(0)	R	150	AV, 40150		Extra Unit	Extra Unit temp
VentActual.Cor_ExtSAFControl	R	151	AV, 40151		SAF/EAF Pressure and Flow	External SAF signal control (%)
VentActual.Cor_ExtEAFControl	R	152	AV, 40152		SAF/EAF Pressure and Flow	External EAF signal control (%)
VentActual. Cor_SAFPressure2	R	153	AV, 40153		SAF/EAF Pressure and Flow	Pressure transmitter 2 supply air (Pa)
VentActual.Cor_SAFAirFlow2	R	154	AV, 40154		SAF/EAF Pressure and Flow	Counted air flow m3/h supply air 2 airflow = Cor_AirFlowK * Cor_SAFPressure2^Cor_AirFlowx)
VentActual.Cor_HumidityOutDoor	R	155	AV, 40155		Humidity	Humidity outdoor
AlaData.AlaPt62_Status	X	156	-		Alarm Status	Sensor error Extra unit temp
AlaData.AlaPt63_Status	X	157	-		Alarm Status	Sensor error External control SAF
AlaData.AlaPt64_Status	X	158	-		Alarm Status	Sensor error External control EAF
AlaData.AlaPt65_Status	X	159	-		Alarm Status	Sensor error SAF Pressure 2
AlaData.AlaPt66_Status	X	160	-		Alarm Status	Sensor error Humidity Outdoor
AlaData.AlaPt67_Status	X	161	-		Alarm Status	Sensor error Reserved 1
AlaData.AlaPt68_Status	X	162	-		Alarm Status	Sensor error Reserved 2
AlaData.AlaPt69_Status	X	163	-		Alarm Status	Sensor error Reserved 3
AlaData.AlaPt70_Status	X	164	-		Alarm Status	Sensor error Reserved 4
AlaData.AlaPt71_Status	X	165	-		Alarm Status	Sensor error Reserved 5
AlaData.AlaPt72_Status	X	166	-		Alarm Status	Sensor error Reserved 6
AlaData.AlaPt73_Status	X	167	-		Alarm Status	Sensor error Reserved 7
AlaData.AlaPt74_Status	X	168	-		Alarm Status	Sensor error Reserved 8
AlaData.AlaPt75_Status	X	169	-		Alarm Status	Sensor error Reserved 9
AlaData.AlaPt76_Status	X	170	-		Alarm Status	Sensor error Reserved 10
AlaData.AlaPt77_Status	X	171	-		Alarm Status	Alarm Frequency

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						Converter SAF
AlaData.AlaPt78_Status	X	172	-		Alarm Status	Alarm Frequency Converter EAF
AlaData.AlaPt79_Status	X	173	-		Alarm Status	Communication error Frequency SAF
AlaData.AlaPt80_Status	X	174	-		Alarm Status	Communication error Frequency EAF
AlaData.AlaPt81_Status	X	175	-		Alarm Status	Communication error Expansion unit 1
AlaData.AlaPt82_Status	X	176	-		Alarm Status	Communication error Expansion unit 2
AlaData.AlaPt83_Status	X	177	-		Alarm Status	Warning Frequency Converter SAF
AlaData.AlaPt84_Status	X	178	-		Alarm Status	Warning Frequency Converter EAF
AlaData.AlaPt85_Status	X	179	-		Alarm Status	Output in manual mode
AlaData.AlaPt86_Status	X	180	-		Alarm Status	Time for service
AlaData.AlaPt87_Status	X	181	-		Alarm Status	Manual Y4-Extra Sequence control
VentActual.Cor_ExpAnalogInput(0)	R	182	-		Analogue inputs	The scaled and filtered value of AI1 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(1)	R	183	-		Analogue inputs	The scaled and filtered value of AI2 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(2)	R	184	-		Analogue inputs	The scaled and filtered value of AI3 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(3)	R	185	-		Analogue inputs	The scaled and filtered value of AI4 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(4)	R	186	-		Universal inputs	The scaled and filtered value of UAI1 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(5)	R	187	-		Universal inputs	The scaled and filtered value of UAI2 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(6)	R	188	-		Universal inputs	The scaled and filtered value of UAI3 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(7)	R	189	-		Universal inputs	The scaled and filtered value of UAI3 Exp.Unit 1
VentActual.Cor_ExpAnalogInput(8)	R	190	-		Analogue inputs	The scaled and filtered value of AI1 Exp.Unit 2
VentActual.Cor_ExpAnalogInput(9)	R	191	-		Analogue inputs	The scaled and filtered value of AI2 Exp.Unit 2
VentActual.Cor_ExpAnalogInput(10)	R	192	-		Analogue inputs	The scaled and filtered

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						value of AI3 Exp.Unit 2
VentActual.Cor_ExpAnalogInput(11)	R	193	-		Analogue inputs	The scaled and filtered value of AI4 Exp.Unit 2
VentActual.Cor_ExpAnalogInput(12)	R	194	-		Universal inputs	The scaled and filtered value of UAI1 Exp.Unit 2
VentActual.Cor_ExpAnalogInput(13)	R	195	-		Universal inputs	The scaled and filtered value of UAI2 Exp.Unit 2
VentActual.Cor_ExpAnalogInput(14)	R	196	-		Universal inputs	The scaled and filtered value of UAI3 Exp.Unit 2
VentActual.Cor_ExpAnalogInput(15)	R	197	-		Universal inputs	The scaled and filtered value of UAI3 Exp.Unit 2
VentSettings.Cor_ExpAi(0)	X	198	-		Analogue inputs	Connected signal on AI1 Exp. Unit 1: 0=Not used 1=Outdoortemp 2=Supplytemp 3=Extracttemp 4=Roomtemp1 5=Roomtemp2 6=Exhausttemp 7=Extrasensor 8=SAF pressure 9=EAF pressure 10=Deicingtemp 11=Frost prot.temp 12=CO_2 13=Humidity room 14=Humidity duct 15=Extra unit temp 16=External SAF control 17=External EAF control 18=SAF pressure 2 19=Humidity outdoor
VentSettings.Cor_ExpAi(1)	X	199	-		Analogue inputs	Connected signal on AI2 Exp. Unit 1
VentSettings.Cor_ExpAi(2)	X	200	-		Analogue inputs	Connected signal on AI3 Exp. Unit 1
VentSettings.Cor_ExpAi(3)	X	201	-		Analogue inputs	Connected signal on AI4 Exp. Unit 1
VentSettings.Cor_ExpAi(4)	X	202	-		Analogue inputs	Connected signal on UAI1 Exp. Unit 1
VentSettings.Cor_ExpAi(5)	X	203	-		Analogue inputs	Connected signal on UAI2 Exp. Unit 1
VentSettings.Cor_ExpAi(6)	X	204	-		Analogue inputs	Connected signal on UAI3 Exp. Unit 1

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_ExpAi(7)	X	205	-		Analogue inputs	Connected signal on UAI4 Exp. Unit 1
VentSettings.Cor_ExpAi(8)	X	206	-		Analogue inputs	Connected signal on AI1 Exp. Unit 2
VentSettings.Cor_ExpAi(9)	X	207	-		Analogue inputs	Connected signal on AI2 Exp. Unit 2
VentSettings.Cor_ExpAi(10)	X	208	-		Analogue inputs	Connected signal on AI3 Exp. Unit 2
VentSettings.Cor_ExpAi(11)	X	209	-		Analogue inputs	Connected signal on AI4 Exp. Unit 2
VentSettings.Cor_ExpAi(12)	X	210	-		Analogue inputs	Connected signal on UAI1 Exp. Unit 2
VentSettings.Cor_ExpAi(13)	X	211	-		Analogue inputs	Connected signal on UAI2 Exp. Unit 2
VentSettings.Cor_ExpAi(14)	X	212	-		Analogue inputs	Connected signal on UAI3 Exp. Unit 2
VentSettings.Cor_ExpAi(15)	X	213	-		Analogue inputs	Connected signal on UAI4 Exp. Unit 2
VentSettings.Cor_ExpDi(0)	X	214	-		Digital inputs	Connected signal on DI1 Exp. Unit 1: 0=Not used 1=SAF-Ind 2=EAF-Ind 3=P1-Heating 4=P1-Exchanger 5=P1-Cooling 6=Filter guard 7=Fire alarm 8=Fire damper-ind 9=Ext run 1/1 10=Ext run ½ 11=External alarm 12=External switch 13=Flow guard 14=Rot.sent.exch 15=De-icing 16=Frostprotection 17=Overheatprotection 18=Recirculation run 19=Change over 20=Filter guard 2
VentSettings.Cor_ExpDi(1)	X	215	-		Digital inputs	Connected signal on DI2 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(2)	X	216	-		Digital inputs	Connected signal on DI3 Exp. Unit 1:

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						(See signal list for DI1)
VentSettings.Cor_ExpDi(3)	X	217	-		Digital inputs	Connected signal on DI4 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(4)	X	218	-		Digital inputs	Connected signal on DI5 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(5)	X	219	-		Digital inputs	Connected signal on DI6 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(6)	X	220	-		Digital inputs	Connected signal on DI7 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(7)	X	221	-		Digital inputs	Connected signal on DI8 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(8)	X	222	-		Digital inputs	Connected signal on UDI1 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(9)	X	223	-		Digital inputs	Connected signal on UDI2 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(10)	X	224	-		Digital inputs	Connected signal on UDI3 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(11)	X	225	-		Digital inputs	Connected signal on UDI4 Exp. Unit 1: (See signal list for DI1)
VentSettings.Cor_ExpDi(12)	X	226	-		Digital inputs	Connected signal on DI1 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(13)	X	227	-		Digital inputs	Connected signal on DI2 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(14)	X	228	-		Digital inputs	Connected signal on DI3 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(15)	X	229	-		Digital inputs	Connected signal on DI4 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(16)	X	230	-		Digital inputs	Connected signal on DI5 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(17)	X	231	-		Digital inputs	Connected signal on DI6

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(18)	X	232	-		Digital inputs	Connected signal on DI7 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(19)	X	233	-		Digital inputs	Connected signal on DI8 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(20)	X	234	-		Digital inputs	Connected signal on UDI1 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(21)	X	235	-		Digital inputs	Connected signal on UDI2 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(22)	X	236	-		Digital inputs	Connected signal on UDI3 Exp. Unit 2: (See signal list for DI1)
VentSettings.Cor_ExpDi(23)	X	237	-		Digital inputs	Connected signal on UDI4 Exp. Unit 2: (See signal list for DI1)
InputOutput.Exp1AnaOut1	R	238	-		Analogue outputs	Value of AO1 Exp. Unit 1
InputOutput.Exp1AnaOut2	R	239	-		Analogue outputs	Value of AO2 Exp. Unit 1
InputOutput.Exp1AnaOut3	R	240	-		Analogue outputs	Value of AO3 Exp. Unit 1
InputOutput.Exp1AnaOut4	R	241	-		Analogue outputs	Value of AO4 Exp. Unit 1
InputOutput.Exp1AnaOut5	R	242	-		Analogue outputs	Value of AO5 Exp. Unit 1
InputOutput.Exp2AnaOut1	R	243	-		Analogue outputs	Value of AO1 Exp. Unit 2
InputOutput.Exp2AnaOut2	R	244	-		Analogue outputs	Value of AO2 Exp. Unit 2
InputOutput.Exp2AnaOut3	R	245	-		Analogue outputs	Value of AO3 Exp. Unit 2
InputOutput.Exp2AnaOut4	R	246	-		Analogue outputs	Value of AO4 Exp. Unit 2
InputOutput.Exp2AnaOut5	R	247	-		Analogue outputs	Value of AO5 Exp. Unit 2
VentSettings.Cor_ExpAo(0)	X	248	-		Analogue outputs	Connected signal on AO1 Exp. Unit 1: 0=Not used 1=Y1-Heating 2=Y2-Exchanger 3=Y3-Cooling 4=SAF 5=EAF 6=Y6-Humidity 7=Split of Y1, Y2 or Y3 8=Extra unit 9=Heat/Cool (change over)

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						10=Extra sequence Y4
VentSettings.Cor_ExpAo(1)	X	249	-		Analogue outputs	Connected signal on AO2 Exp. Unit 1: (See signal list for AO1)
VentSettings.Cor_ExpAo(2)	X	250	-		Analogue outputs	Connected signal on AO3 Exp. Unit 1: (See signal list for AO1)
VentSettings.Cor_ExpAo(3)	X	251	-		Analogue outputs	Connected signal on AO4 Exp. Unit 1: (See signal list for AO1)
VentSettings.Cor_ExpAo(4)	X	252	-		Analogue outputs	Connected signal on AO5 Exp. Unit 1: (See signal list for AO1)
VentSettings.Cor_ExpAo(5)	X	253	-		Analogue outputs	Connected signal on AO1 Exp. Unit 2: (See signal list for AO1)
VentSettings.Cor_ExpAo(6)	X	254	-		Analogue outputs	Connected signal on AO2 Exp. Unit 2: (See signal list for AO1)
VentSettings.Cor_ExpAo(7)	X	255	-		Analogue outputs	Connected signal on AO3 Exp. Unit 2: (See signal list for AO1)
VentSettings.Cor_ExpAo(8)	X	256	-		Analogue outputs	Connected signal on AO4 Exp. Unit 2: (See signal list for AO1)
VentSettings.Cor_ExpAo(9)	X	257	-		Analogue outputs	Connected signal on AO5 Exp. Unit 2: (See signal list for AO1)
VentSettings.Cor_ExpDo(0)	X	258	-		Digital outputs	Connected signal on DO1 Exp. Unit 1: 0 = Not Used 1 = SAFStart1 2 = EAFStart1 3 = SAFStart2 4 = EAFStart2 5 = HeatingPumpStart 6 = ExchangerStart 7 = CoolingPumpStart 8 = FireDamper 9 = SumAlarm 10 = SumAlarmA 11 = SumAlarmB 12 = SAFFrequencyStart 13 = EAFFrequencyStart 14 = HeatingActivate 15 = ExchangerActivate 16 = CoolingActivate

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						17 = RecycleAirDamper 18 = FreshAirDamper 19 = ExtractAirDamper 20 = HeatingIncrease 21 = HeatingDecrease 22 = ExchangerIncrease 23 = ExchangerDecrease 24 = CoolingIncrease 25 = CoolingDecrease 26 = HeatStep1 27 = HeatStep2 28 = HeatStep3 29 = HeatStep4 30 = CoolStep1 31 = CoolStep2 32 = CoolStep3 33 = TimeChannel1 34 = TimeChannel2 35 = TimeChannel3 36 = TimeChannel4 37 = TimeChannel5 38 = Humidity start 39 = Extra unit start 40 = Heat/Cool step 1 41 = Heat/Cool step 2 42 = Heat/Cool step 3 43 = Night cool run
VentSettings.Cor_ExpDo(1)	X	259	-		Digital outputs	Connected signal on DO2 Exp. Unit 1: (See signal list for DO1)
VentSettings.Cor_ExpDo(2)	X	260	-		Digital outputs	Connected signal on DO3 Exp. Unit 1: (See signal list for DO1)
VentSettings.Cor_ExpDo(3)	X	261	-		Digital outputs	Connected signal on DO4 Exp. Unit 1: (See signal list for DO1)
VentSettings.Cor_ExpDo(4)	X	262	-		Digital outputs	Connected signal on DO5 Exp. Unit 1: (See signal list for DO1)
VentSettings.Cor_ExpDo(5)	X	263	-		Digital outputs	Connected signal on DO6 Exp. Unit 1: (See signal list for DO1)
VentSettings.Cor_ExpDo(6)	X	264	-		Digital outputs	Connected signal on DO7 Exp. Unit 1: (See signal list for DO1)
VentSettings.Cor_ExpDo(7)	X	265	-		Digital outputs	Connected signal on DO1 Exp. Unit 2: (See signal list for DO1)

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_ExpDo(8)	X	266	-		Digital outputs	Connected signal on DO2 Exp. Unit 2: (See signal list for DO1)
VentSettings.Cor_ExpDo(9)	X	267	-		Digital outputs	Connected signal on DO3 Exp. Unit 2: (See signal list for DO1)
VentSettings.Cor_ExpDo(10)	X	268	-		Digital outputs	Connected signal on DO4 Exp. Unit 2: (See signal list for DO1)
VentSettings.Cor_ExpDo(11)	X	269	-		Digital outputs	Connected signal on DO5 Exp. Unit 2: (See signal list for DO1)
VentSettings.Cor_ExpDo(12)	X	270	-		Digital outputs	Connected signal on DO6 Exp. Unit 2: (See signal list for DO1)
VentSettings.Cor_ExpDo(13)	X	271	-		Digital outputs	Connected signal on DO7 Exp. Unit 2: (See signal list for DO1)
VentActual.Cor_SAFMotorSpeedHz	R	272	-		SAF/EAF Pressure and Flow	SAF Motor speed Hz (Vacon)
VentActual.Cor_SAFMotorCurrent	R	273	-		SAF/EAF Pressure and Flow	SAF Motor current A (Vacon)
VentActual.Cor_SAFMotorPower	R	274	-		SAF/EAF Pressure and Flow	SAF Motor Power % of nominal (Vacon)
VentActual.Cor_SAFAccumPower	R	275	-		SAF/EAF Pressure and Flow	SAF Accumulated Power consuption (Vacon)
VentActual.Cor_EAFMotorSpeedHz	R	276	-		SAF/EAF Pressure and Flow	EAF Motor speed Hz (Vacon)
VentActual.Cor_EAFMotorCurrent	R	277	-		SAF/EAF Pressure and Flow	EAF Motor current A (Vacon)
VentActual.Cor_EAFMotorPower	R	278	-		SAF/EAF Pressure and Flow	EAF Motor Power % of nominal (Vacon)
VentActual.Cor_EAFAccumPower	R	279	-		SAF/EAF Pressure and Flow	EAF Accumulated Power consuption (Vacon)
VentActual.Cor_ExtraUnitCV1(0)	R	280	AV, 40280		Extra Unit	Control signal Extra Unit (0-10 V)
VentActual.Cor_ExtraUnitPID1_Output(0)	R	281	AV, 40281		Extra Unit	Extra Unit controller output (0-100 %)
VentActual.Cor_HeatCoolCV1	R	282	AV, 40282		Supply, Extract and Room temperatures	Control signal Heating or Cooling controlled by changeover (0-10 V)
VentActual.Cor_ExtraSeqCV1	R	283	AV, 40283		Supply, Extract and	Control signal extra

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
					Room temperatures	sequence Y4 (0-10 V)
VentActual.Cor_UnitRunMode	X	284	MSV, 40284		Actual/Setpoint	Unit run mode: 0=Off 1=Reduced speed 2=Normal speed 3=Stop because of alarm
AlaData.AlaPt88_Status	X	285	-		Alarm Status	Restart blocked after power-on
VentActual.Cor_IntakeAirTemp	R	286	AV, 40286		Actual/Setpoint	Intake air temperature
VentActual.Cor_ExtraSensor2	R	287	AV, 40287		Actual/Setpoint	Extrasensor 2 temperature
VentActual.Cor_ExtraSensor3	R	288	AV, 40288		Actual/Setpoint	Extrasensor 3 temperature
VentActual.Cor_ExtraSensor4	R	289	AV, 40289		Actual/Setpoint	Extrasensor 4 temperature
VentActual.Cor_ExtraSensor5	R	290	AV, 40290		Actual/Setpoint	Extrasensor 5 temperature
VentActual.Cor_ExtraSAFPressure	R	291	AV, 40291		SAF/EAF Pressure and Flow	Extrasensor SAF Pressure
VentActual.Cor_ExtraEAFPressure	R	292	AV, 40292		SAF/EAF Pressure and Flow	Extrasensor EAF Pressure
VentActual.Cor_ExtraSAFAirFlow	R	293	AV, 40293		SAF/EAF Pressure and Flow	Extrasensor SAF Flow
VentActual.Cor_ExtraEAFAirFlow	R	294	AV, 40294		SAF/EAF Pressure and Flow	Extrasensor EAF Flow
VentActual.Cor_ExternalFlowSetP	R	295	-		SAF/EAF Pressure and Flow	External setpoint SAF airflow (m^3/h)
VentActual.Cor_ExtraSeqY5	R	296	AV, 40296		Analogue outputs	Control valve Extra sequence Y5 (0…10 V)
AlaData.AlaPt89_Status	X	297	-		Alarm Status	Manual Y5-Extra Sequence
VentActual.Cor_SFP	R	298	-		SFP (Specific Fan Power)	Actual SFP ($kW/m^3/s$)
VentActual.Cor_SFPDay	R	299	-		SFP (Specific Fan Power)	Day average SFP
VentActual.Cor_SFPMonth	R	300	-		SFP (Specific Fan Power)	Month average (30 day average) SFP
VentActual.Cor_FilterGuard1AI	R	301	AV, 40301		Actual/Setpoint	Analogue filter 1 value (Pa)
VentActual.Cor_FilterGuard2AI	R	302	AV, 40302		Actual/Setpoint	Analogue filter 2 value (Pa)
AlaData.AlaPt90_Status	X	303	-		Alarm Status	Filter guard 2
AlaData.AlaPt91_Status	X	304	-		Alarm Status	High temp Extra sensor 1

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
AlaData.AlaPt92_Status	X	305	-		Alarm Status	Low temp Extra sensor 1
AlaData.AlaPt93_Status	X	306	-		Alarm Status	High temp Extra sensor 2
AlaData.AlaPt94_Status	X	307	-		Alarm Status	Low temp Extra sensor 2
AlaData.AlaPt95_Status	X	308	-		Alarm Status	High temp Extra sensor 3
AlaData.AlaPt96_Status	X	309	-		Alarm Status	Low temp Extra sensor 3
AlaData.AlaPt97_Status	X	310	-		Alarm Status	High temp Extra sensor 4
AlaData.AlaPt98_Status	X	311	-		Alarm Status	Low temp Extra sensor 4
AlaData.AlaPt99_Status	X	312	-		Alarm Status	High temp Extra sensor 5
AlaData.AlaPt100_Status	X	313	-		Alarm Status	Low temp Extra sensor 5

7 Holding Register

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_SupplySetpoint	R	1	AV, 30001	18°C	Supply, Extract and Room temperatures	Setpoint supply air temperature when constant supply air temperature function
VentSettings.Cor_Curve1_X1	R	2	-	-20°C	Supply, Extract and Room temperatures	Outdoortemp for first curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_X2	R	3	-	-15°C	Supply, Extract and Room temperatures	Outdoortemp for second curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_X3	R	4	-	-10°C	Supply, Extract and Room temperatures	Outdoortemp for third curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_X4	R	5	-	-5°C	Supply, Extract and Room temperatures	Outdoortemp for fourth curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_X5	R	6	-	0°C	Supply, Extract and Room temperatures	Outdoortemp for fifth curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_X6	R	7	-	5°C	Supply, Extract and Room temperatures	Outdoortemp for sixth curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_X7	R	8	-	10°C	Supply, Extract and Room temperatures	Outdoortemp for seventh curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_X8	R	9	-	15°C	Supply, Extract and Room temperatures	Outdoortemp for eighth curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y1	R	10	-	25°C	Supply, Extract and Room temperatures	Setpoint for first curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y2	R	11	-	24°C	Supply, Extract and Room temperatures	Setpoint for second curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y3	R	12	-	23°C	Supply, Extract and Room temperatures	Setpoint for third curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y4	R	13	-	23°C	Supply, Extract and Room temperatures	Setpoint for fourth curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y5	R	14	-	22°C	Supply, Extract	Setpoint for fifth curvepoint

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
					and Room temperatures	for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y6	R	15	-	20°C	Supply, Extract and Room temperatures	Setpoint for sixth curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y7	R	16	-	18°C	Supply, Extract and Room temperatures	Setpoint for seventh curvepoint for outdoor compensated setpoint
VentSettings.Cor_Curve1_Y8	R	17	-	18°C	Supply, Extract and Room temperatures	Setpoint for eight curvepoint for outdoor compensated setpoint
VentSettings.Cor_ExhaustSetpoint	R	18	AV, 30018	21°C	Supply, Extract and Room temperatures	Setpoint extract air temp if extract air temp control function
VentSettings.Cor_RoomSetP	R	19	AV, 30019	21°C	Supply, Extract and Room temperatures	Room setpoint if room temp control function
VentSettings.Cor_NeedHeatStart	R	20	AV, 30020	15°C	Supply, Extract and Room temperatures	Room temp for start the unit if intermittent heating control is active
VentSettings.Cor_NeedHeatStop	R	21	AV, 30021	21°C	Supply, Extract and Room temperatures	Room temp for stop the unit if intermittent heating control is active
VentSettings.Cor_NeedCoolStart	R	22	AV, 30022	30°C	Supply, Extract and Room temperatures	Room temp for start the unit if intermittent cooling control is active
VentSettings.Cor_NeedCoolStop	R	23	AV, 30023	28°C	Supply, Extract and Room temperatures	Room temp for stop the unit if intermittent cooling control is active
VentSettings.Cor_SAFFullspeedPressure	R	24	AV, 30024	500 Pa	SAF/EAF Pressure and Flow	Setpoint full speed supply air fan pressure
VentSettings.Cor_SAFHalfspeedPressure	R	25	AV, 30025	250 Pa	SAF/EAF Pressure and Flow	Setpoint reduced speed supply air fan pressure
VentSettings.Cor_EAFFullspeedPressure	R	26	AV, 30026	500 Pa	SAF/EAF Pressure and Flow	Setpoint full speed extract air fan pressure
VentSettings.Cor_EAFHalfspeedPressure	R	27	AV, 30027	250 Pa	SAF/EAF Pressure and Flow	Setpoint reduced speed extract air fan pressure
VentSettings.Cor_SAFFullspeedAirFlow	R	28	AV, 30028	2000 m^3/h	SAF/EAF Pressure and Flow	Setpoint full speed supply air fan flow. Scale factor = 1

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_SAFHalfspeedAirFlow	R	29	AV, 30029	1000 m^3/h	SAF/EAF Pressure and Flow	Setpoint reduced speed supply air fan flow. Scale factor = 1
VentSettings.Cor_EAFFullspeedAirFlow	R	30	AV, 30030	2000 m^3/h	SAF/EAF Pressure and Flow	Setpoint full speed extract air fan flow. Scale factor = 1
VentSettings.Cor_EAFHalfspeedAirFlow	R	31	AV, 30031	1000 m3/h	SAF/EAF Pressure and Flow	Setpoint reduced speed extract air fan flow. Scale factor = 1
VentSettings.Cor_CO2Setpoint	R	32	AV, 30032	1000 ppm	CO_2	Setpoint CO_2
VentSettings.Cor_FrostProtSPStop	R	33	AV, 30033	25°C	Frost protection	Setpoint frost protection if the ventilation unit is stoped
VentSettings.Cor_FrostProtPGain	R	34	AV, 30034	5°C	Frost protection	P-Gain frost protection when running (alarm limit+PGain)
VentSettings.Cor_DeIcingSetpoint	R	35	AV, 30035	-3°C	Extract air temp/De-icing exchanger	Setpoint de-icing temp
VentSettings.Cor_DeIcingHyst	R	36	AV, 30036	1°C	Extract air temp/De-icing exchanger	Hysteresis for stop of de-icing
VentSettings.Cor_HumiditySetpoint	R	37	AV, 30037	50 % RH	Humidity	Setpoint humidity room
VentSettings.Cor_HumidityMaxDuct	R	38	AV, 30038	80 % RH	Humidity	Max limit humidity duct
VentSettings.Cor_HumidityHyst	R	39	AV, 30039	20 % RH	Humidity	Hysteresis to start humidity control after stop max limitation
TimeDp.Posts(0).T1	R	40	-	7	Timer Normal Speed	Start time period 1 Monday normal speed (HH.MM)
TimeDp.Posts(0).T2	R	41	-	16	Timer Normal Speed	Stop time period 1 Monday normal speed
TimeDp.Posts(0).T3	R	42	-	0	Timer Normal Speed	Start time period 2 Monday normal speed
TimeDp.Posts(0).T4	R	43	-	0	Timer Normal Speed	Stop time period 2 Monday normal speed
TimeDp.Posts(1).T1	R	44	-	7	Timer Normal Speed	Start time period 1 Tuesday normal speed
TimeDp.Posts(1).T2	R	45	-	16	Timer Normal Speed	Stop time period 1 Tuesday normal speed
TimeDp.Posts(1).T3	R	46	-	0	Timer Normal Speed	Start time period 2 Tuesday normal speed

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(1).T4	R	47	-	0	Timer Normal Speed	Stop time period 2 Tuesday normal speed
TimeDp.Posts(2).T1	R	48	-	7	Timer Normal Speed	Start time period 1 Wedn. normal speed
TimeDp.Posts(2).T2	R	49	-	16	Timer Normal Speed	Stop time period 1 Wedn. normal speed
TimeDp.Posts(2).T3	R	50	-	0	Timer Normal Speed	Start time period 2 Wedn. normal speed
TimeDp.Posts(2).T4	R	51	-	0	Timer Normal Speed	Stop time period 2 Wedn. normal speed
TimeDp.Posts(3).T1	R	52	-	7	Timer Normal Speed	Start time period 1 Thursday normal speed
TimeDp.Posts(3).T2	R	53	-	16	Timer Normal Speed	Stop time period 1 Thursday normal speed
TimeDp.Posts(3).T3	R	54	-	0	Timer Normal Speed	Start time period 2 Thursday normal speed
TimeDp.Posts(3).T4	R	55	-	0	Timer Normal Speed	Stop time period 2 Thursday normal speed
TimeDp.Posts(4).T1	R	56	-	7	Timer Normal Speed	Start time period 1 Friday normal speed
TimeDp.Posts(4).T2	R	57	-	16	Timer Normal Speed	Stop time period 1 Friday normal speed
TimeDp.Posts(4).T3	R	58	-	0	Timer Normal Speed	Start time period 2 Friday normal speed
TimeDp.Posts(4).T4	R	59	-	0	Timer Normal Speed	Stop time period 2 Friday normal speed
TimeDp.Posts(5).T1	R	60	-	0	Timer Normal Speed	Start time period 1 Saturday normal speed
TimeDp.Posts(5).T2	R	61	-	0	Timer Normal Speed	Stop time period 1 Saturday normal speed
TimeDp.Posts(5).T3	R	62	-	0	Timer Normal Speed	Start time period 2 Saturday normal speed
TimeDp.Posts(5).T4	R	63	-	0	Timer Normal Speed	Stop time period 2 Saturday normal speed
TimeDp.Posts(6).T1	R	64	-	0	Timer Normal Speed	Start time period 1 Sunday normal speed
TimeDp.Posts(6).T2	R	65	-	0	Timer Normal Speed	Stop time period 1 Sunday normal speed
TimeDp.Posts(6).T3	R	66	-	0	Timer Normal Speed	Start time period 2 Sunday normal speed

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(6).T4	R	67	-	0	Timer Normal Speed	Stop time period 2 Sunday normal speed
TimeDp.Posts(7).T1	R	68	-	0	Timer Normal Speed	Start time period 1 Holiday normal speed
TimeDp.Posts(7).T2	R	69	-	0	Timer Normal Speed	Stop time period 1 Holiday normal speed
TimeDp.Posts(7).T3	R	70	-	0	Timer Normal Speed	Start time period 2 Holiday normal speed
TimeDp.Posts(7).T4	R	71	-	0	Timer Normal Speed	Stop time period 2 Holiday normal speed
TimeDp.Posts(8).T1	R	72	-	0	Timer Reduced Speed	Start time period 1 Monday reduced speed (HH.MM)
TimeDp.Posts(8).T2	R	73	-	0	Timer Reduced Speed	Stop time period 1 Monday reduced speed
TimeDp.Posts(8).T3	R	74	-	0	Timer Reduced Speed	Start time period 2 Monday reduced speed
TimeDp.Posts(8).T4	R	75	-	0	Timer Reduced Speed	Stop time period 2 Monday reduced speed
TimeDp.Posts(9).T1	R	76	-	0	Timer Reduced Speed	Start time period 1 Tuesday reduced speed
TimeDp.Posts(9).T2	R	77	-	0	Timer Reduced Speed	Stop time period 1 Tuesday reduced speed
TimeDp.Posts(9).T3	R	78	-	0	Timer Reduced Speed	Start time period 2 Tuesday reduced speed
TimeDp.Posts(9).T4	R	79	-	0	Timer Reduced Speed	Stop time period 2 Tuesday reduced speed
TimeDp.Posts(10).T1	R	80	-	0	Timer Reduced Speed	Start time period 1 Wedn. reduced speed
TimeDp.Posts(10).T2	R	81	-	0	Timer Reduced Speed	Stop time period 1 Wedn. reduced speed
TimeDp.Posts(10).T3	R	82	-	0	Timer Reduced Speed	Start time period 2 Wedn. reduced speed
TimeDp.Posts(10).T4	R	83	-	0	Timer Reduced Speed	Stop time period 2 Wedn. reduced speed
TimeDp.Posts(11).T1	R	84	-	0	Timer Reduced Speed	Start time period 1 Thursday red.speed
TimeDp.Posts(11).T2	R	85	-	0	Timer Reduced Speed	Stop time period 1 Thursday red. speed
TimeDp.Posts(11).T3	R	86	-	0	Timer Reduced Speed	Start time period 2 Thursday red. speed

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(11).T4	R	87	-	0	Timer Reduced Speed	Stop time period 2 Thursday red. speed
TimeDp.Posts(12).T1	R	88	-	0	Timer Reduced Speed	Start time period 1 Friday reduced speed
TimeDp.Posts(12).T2	R	89	-	0	Timer Reduced Speed	Stop time period 1 Friday reduced speed
TimeDp.Posts(12).T3	R	90	-	0	Timer Reduced Speed	Start time period 2 Friday reduced speed
TimeDp.Posts(12).T4	R	91	-	0	Timer Reduced Speed	Stop time period 2 Friday reduced speed
TimeDp.Posts(13).T1	R	92	-	0	Timer Reduced Speed	Start time period 1 Saturday red. speed
TimeDp.Posts(13).T2	R	93	-	0	Timer Reduced Speed	Stop time period 1 Saturday red. speed
TimeDp.Posts(13).T3	R	94	-	0	Timer Reduced Speed	Start time period 2 Saturday red. speed
TimeDp.Posts(13).T4	R	95	-	0	Timer Reduced Speed	Stop time period 2 Saturday red. speed
TimeDp.Posts(14).T1	R	96	-	0	Timer Reduced Speed	Start time period 1 Sunday reduced speed
TimeDp.Posts(14).T2	R	97	-	0	Timer Reduced Speed	Stop time period 1 Sunday reduced speed
TimeDp.Posts(14).T3	R	98	-	0	Timer Reduced Speed	Start time period 2 Sunday reduced speed
TimeDp.Posts(14).T4	R	99	-	0	Timer Reduced Speed	Stop time period 2 Sunday reduced speed
TimeDp.Posts(15).T1	R	100	-	0	Timer Reduced Speed	Start time period 1 Holiday reduced speed
TimeDp.Posts(15).T2	R	101	-	0	Timer Reduced Speed	Stop time period 1 Holiday reduced speed
TimeDp.Posts(15).T3	R	102	-	0	Timer Reduced Speed	Start time period 2 Holiday reduced speed
TimeDp.Posts(15).T4	R	103	-	0	Timer Reduced Speed	Stop time period 2 Holiday reduced speed
TimeDp.Posts(16).T1	R	104	-	7	Timer Output 1	Start time period 1 Monday timer output 1 (HH.MM)
TimeDp.Posts(16).T2	R	105	-	16	Timer Output 1	Stop time period 1 Monday timer output 1
TimeDp.Posts(16).T3	R	106	-	0	Timer Output 1	Start time period 2 Monday timer output 1

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(16).T4	R	107	-	0	Timer Output 1	Stop time period 2 Monday timer output 1
TimeDp.Posts(17).T1	R	108	-	7	Timer Output 1	Start time period 1 Tuesday timer output 1
TimeDp.Posts(17).T2	R	109	-	16	Timer Output 1	Stop time period 1 Tuesday timer output 1
TimeDp.Posts(17).T3	R	110	-	0	Timer Output 1	Start time period 2 Tuesday timer output 1
TimeDp.Posts(17).T4	R	111	-	0	Timer Output 1	Stop time period 2 Tuesday timer output 1
TimeDp.Posts(18).T1	R	112	-	7	Timer Output 1	Start time period 1 Wednesd.timer output 1
TimeDp.Posts(18).T2	R	113	-	16	Timer Output 1	Stop time period 1 Wedn. timer output 1
TimeDp.Posts(18).T3	R	114	-	0	Timer Output 1	Start time period 2 Wedn. timer output 1
TimeDp.Posts(18).T4	R	115	-	0	Timer Output 1	Stop time period 2 Wedn. timer output 1
TimeDp.Posts(19).T1	R	116	-	7	Timer Output 1	Start time period 1 Thursday timer output 1
TimeDp.Posts(19).T2	R	117	-	16	Timer Output 1	Stop time period 1 Thursday timer output 1
TimeDp.Posts(19).T3	R	118	-	0	Timer Output 1	Start time period 2 Thursday timer output 1
TimeDp.Posts(19).T4	R	119	-	0	Timer Output 1	Stop time period 2 Thursday timer output 1
TimeDp.Posts(20).T1	R	120	-	7	Timer Output 1	Start time period 1 Friday timer output 1
TimeDp.Posts(20).T2	R	121	-	16	Timer Output 1	Stop time period 1 Friday timer output 1
TimeDp.Posts(20).T3	R	122	-	0	Timer Output 1	Start time period 2 Friday timer output 1
TimeDp.Posts(20).T4	R	123	-	0	Timer Output 1	Stop time period 2 Friday timer output 1
TimeDp.Posts(21).T1	R	124	-	0	Timer Output 1	Start time period 1 Saturday timer output 1
TimeDp.Posts(21).T2	R	125	-	0	Timer Output 1	Stop time period 1 Saturday timer output 1
TimeDp.Posts(21).T3	R	126	-	0	Timer Output 1	Start time period 2 Saturday timer output 1

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(21).T4	R	127	-	0	Timer Output 1	Stop time period 2 Saturday timer output 1
TimeDp.Posts(22).T1	R	128	-	0	Timer Output 1	Start time period 1 Sunday timer output 1
TimeDp.Posts(22).T2	R	129	-	0	Timer Output 1	Stop time period 1 Sunday timer output 1
TimeDp.Posts(22).T3	R	130	-	0	Timer Output 1	Start time period 2 Sunday timer output 1
TimeDp.Posts(22).T4	R	131	-	0	Timer Output 1	Stop time period 2 Sunday timer output 1
TimeDp.Posts(23).T1	R	132	-	0	Timer Output 1	Start time period 1 Holiday timer output 1
TimeDp.Posts(23).T2	R	133	-	0	Timer Output 1	Stop time period 1 Holiday timer output 1
TimeDp.Posts(23).T3	R	134	-	0	Timer Output 1	Start time period 2 Holiday timer output 1
TimeDp.Posts(23).T4	R	135	-	0	Timer Output 1	Stop time period 2 Holiday timer output 1
TimeDp.Posts(24).T1	R	136	-	7	Timer Output 2	Start time period 1 Monday timer output 2 (HH.MM)
TimeDp.Posts(24).T2	R	137	-	16	Timer Output 2	Stop time period 1 Monday timer output 2
TimeDp.Posts(24).T3	R	138	-	0	Timer Output 2	Start time period 2 Monday timer output 2
TimeDp.Posts(24).T4	R	139	-	0	Timer Output 2	Stop time period 2 Monday timer output 2
TimeDp.Posts(25).T1	R	140	-	7	Timer Output 2	Start time period 1 Tuesday timer output 2
TimeDp.Posts(25).T2	R	141	-	16	Timer Output 2	Stop time period 1 Tuesday timer output 2
TimeDp.Posts(25).T3	R	142	-	0	Timer Output 2	Start time period 2 Tuesday timer output 2
TimeDp.Posts(25).T4	R	143	-	0	Timer Output 2	Stop time period 2 Tuesday timer output 2
TimeDp.Posts(26).T1	R	144	-	7	Timer Output 2	Start time period 1 Wedn. timer output 2
TimeDp.Posts(26).T2	R	145	-	16	Timer Output 2	Stop time period 1 Wedn. timer output 2
TimeDp.Posts(26).T3	R	146	-	0	Timer Output 2	Start time period 2 Wedn. timer output 2

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(26).T4	R	147	-	0	Timer Output 2	Stop time period 2 Wedn. timer output 2
TimeDp.Posts(27).T1	R	148	-	7	Timer Output 2	Start time period 1 Thursday timer output 2
TimeDp.Posts(27).T2	R	149	-	16	Timer Output 2	Stop time period 1 Thursday timer output 2
TimeDp.Posts(27).T3	R	150	-	0	Timer Output 2	Start time period 2 Thursday timer output 2
TimeDp.Posts(27).T4	R	151	-	0	Timer Output 2	Stop time period 2 Thursday timer output 2
TimeDp.Posts(28).T1	R	152	-	7	Timer Output 2	Start time period 1 Friday timer output 2
TimeDp.Posts(28).T2	R	153	-	16	Timer Output 2	Stop time period 1 Friday timer output 2
TimeDp.Posts(28).T3	R	154	-	0	Timer Output 2	Start time period 2 Friday timer output 2
TimeDp.Posts(28).T4	R	155	-	0	Timer Output 2	Stop time period 2 Friday timer output 2
TimeDp.Posts(29).T1	R	156	-	0	Timer Output 2	Start time period 1 Saturday timer output 2
TimeDp.Posts(29).T2	R	157	-	0	Timer Output 2	Stop time period 1 Saturday timer output 2
TimeDp.Posts(29).T3	R	158	-	0	Timer Output 2	Start time period 2 Saturday timer output 2
TimeDp.Posts(29).T4	R	159	-	0	Timer Output 2	Stop time period 2 Saturday timer output 2
TimeDp.Posts(30).T1	R	160	-	0	Timer Output 2	Start time period 1 Sunday timer output 2
TimeDp.Posts(30).T2	R	161	-	0	Timer Output 2	Stop time period 1 Sunday timer output 2
TimeDp.Posts(30).T3	R	162	-	0	Timer Output 2	Start time period 2 Sunday timer output 2
TimeDp.Posts(30).T4	R	163	-	0	Timer Output 2	Stop time period 2 Sunday timer output 2
TimeDp.Posts(31).T1	R	164	-	0	Timer Output 2	Start time period 1 Holiday timer output 2
TimeDp.Posts(31).T2	R	165	-	0	Timer Output 2	Stop time period 1 Holiday timer output 2
TimeDp.Posts(31).T3	R	166	-	0	Timer Output 2	Start time period 2 Holiday timer output 2

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(31).T4	R	167	-	0	Timer Output 2	Stop time period 2 Holiday timer output 2
TimeDp.Posts(32).T1	R	168	-	7	Timer Output 3	Start time period 1 Monday timer output 3 (HH.MM)
TimeDp.Posts(32).T2	R	169	-	16	Timer Output 3	Stop time period 1 Monday timer output 3
TimeDp.Posts(32).T3	R	170	-	0	Timer Output 3	Start time period 2 Monday timer output 3
TimeDp.Posts(32).T4	R	171	-	0	Timer Output 3	Stop time period 2 Monday timer output 3
TimeDp.Posts(33).T1	R	172	-	7	Timer Output 3	Start time period 1 Tuesday timer output 3
TimeDp.Posts(33).T2	R	173	-	16	Timer Output 3	Stop time period 1 Tuesday timer output 3
TimeDp.Posts(33).T3	R	174	-	0	Timer Output 3	Start time period 2 Tuesday timer output 3
TimeDp.Posts(33).T4	R	175	-	0	Timer Output 3	Stop time period 2 Tuesday timer output 3
TimeDp.Posts(34).T1	R	176	-	7	Timer Output 3	Start time period 1 Wedn. timer output 3
TimeDp.Posts(34).T2	R	177	-	16	Timer Output 3	Stop time period 1 Wedn. timer output 3
TimeDp.Posts(34).T3	R	178	-	0	Timer Output 3	Start time period 2 Wedn. timer output 3
TimeDp.Posts(34).T4	R	179	-	0	Timer Output 3	Stop time period 2 Wedn. timer output 3
TimeDp.Posts(35).T1	R	180	-	7	Timer Output 3	Start time period 1 Thursday timer output 3
TimeDp.Posts(35).T2	R	181	-	16	Timer Output 3	Stop time period 1 Thursday timer output 3
TimeDp.Posts(35).T3	R	182	-	0	Timer Output 3	Start time period 2 Thursday timer output 3
TimeDp.Posts(35).T4	R	183	-	0	Timer Output 3	Stop time period 2 Thursday timer output 3
TimeDp.Posts(36).T1	R	184	-	7	Timer Output 3	Start time period 1 Friday timer output 3
TimeDp.Posts(36).T2	R	185	-	16	Timer Output 3	Stop time period 1 Friday timer output 3
TimeDp.Posts(36).T3	R	186	-	0	Timer Output 3	Start time period 2 Friday timer output 3

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(36).T4	R	187	-	0	Timer Output 3	Stop time period 2 Friday timer output 3
TimeDp.Posts(37).T1	R	188	-	0	Timer Output 3	Start time period 1 Saturday timer output 3
TimeDp.Posts(37).T2	R	189	-	0	Timer Output 3	Stop time period 1 Saturday timer output 3
TimeDp.Posts(37).T3	R	190	-	0	Timer Output 3	Start time period 2 Saturday timer output 3
TimeDp.Posts(37).T4	R	191	-	0	Timer Output 3	Stop time period 2 Saturday timer output 3
TimeDp.Posts(38).T1	R	192	-	0	Timer Output 3	Start time period 1 Sunday timer output 3
TimeDp.Posts(38).T2	R	193	-	0	Timer Output 3	Stop time period 1 Sunday timer output 3
TimeDp.Posts(38).T3	R	194	-	0	Timer Output 3	Start time period 2 Sunday timer output 3
TimeDp.Posts(38).T4	R	195	-	0	Timer Output 3	Stop time period 2 Sunday timer output 3
TimeDp.Posts(39).T1	R	196	-	0	Timer Output 3	Start time period 1 Holiday timer output 3
TimeDp.Posts(39).T2	R	197	-	0	Timer Output 3	Stop time period 1 Holiday timer output 3
TimeDp.Posts(39).T3	R	198	-	0	Timer Output 3	Start time period 2 Holiday timer output 3
TimeDp.Posts(39).T4	R	199	-	0	Timer Output 3	Stop time period 2 Holiday timer output 3
TimeDp.Posts(40).T1	R	200	-	7	Timer Output 4	Start time period 1 Monday timer output 4 (HH.MM)
TimeDp.Posts(40).T2	R	201	-	16	Timer Output 4	Stop time period 1 Monday timer output 4
TimeDp.Posts(40).T3	R	202	-	0	Timer Output 4	Start time period 2 Monday timer output 4
TimeDp.Posts(40).T4	R	203	-	0	Timer Output 4	Stop time period 2 Monday timer output 4
TimeDp.Posts(41).T1	R	204	-	7	Timer Output 4	Start time period 1 Tuesday timer output 4
TimeDp.Posts(41).T2	R	205	-	16	Timer Output 4	Stop time period 1 Tuesday timer output 4
TimeDp.Posts(41).T3	R	206	-	0	Timer Output 4	Start time period 2 Tuesday timer output 4

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(41).T4	R	207	-	0	Timer Output 4	Stop time period 2 Tuesday timer output 4
TimeDp.Posts(42).T1	R	208	-	7	Timer Output 4	Start time period 1 Wedn. timer output 4
TimeDp.Posts(42).T2	R	209	-	16	Timer Output 4	Stop time period 1 Wedn. timer output 4
TimeDp.Posts(42).T3	R	210	-	0	Timer Output 4	Start time period 2 Wedn. timer output 4
TimeDp.Posts(42).T4	R	211	-	0	Timer Output 4	Stop time period 2 Wedn. timer output 4
TimeDp.Posts(43).T1	R	212	-	7	Timer Output 4	Start time period 1 Thursday timer output 4
TimeDp.Posts(43).T2	R	213	-	16	Timer Output 4	Stop time period 1 Thursday timer output 4
TimeDp.Posts(43).T3	R	214	-	0	Timer Output 4	Start time period 2 Thursday timer output 4
TimeDp.Posts(43).T4	R	215	-	0	Timer Output 4	Stop time period 2 Thursday timer output 4
TimeDp.Posts(44).T1	R	216	-	7	Timer Output 4	Start time period 1 Friday timer output 4
TimeDp.Posts(44).T2	R	217	-	16	Timer Output 4	Stop time period 1 Friday timer output 4
TimeDp.Posts(44).T3	R	218	-	0	Timer Output 4	Start time period 2 Friday timer output 4
TimeDp.Posts(44).T4	R	219	-	0	Timer Output 4	Stop time period 2 Friday timer output 4
TimeDp.Posts(45).T1	R	220	-	0	Timer Output 4	Start time period 1 Saturday timer output 4
TimeDp.Posts(45).T2	R	221	-	0	Timer Output 4	Stop time period 1 Saturday timer output 4
TimeDp.Posts(45).T3	R	222	-	0	Timer Output 4	Start time period 2 Saturday timer output 4
TimeDp.Posts(45).T4	R	223	-	0	Timer Output 4	Stop time period 2 Saturday timer output 4
TimeDp.Posts(46).T1	R	224	-	0	Timer Output 4	Start time period 1 Sunday timer output 4
TimeDp.Posts(46).T2	R	225	-	0	Timer Output 4	Stop time period 1 Sunday timer output 4
TimeDp.Posts(46).T3	R	226	-	0	Timer Output 4	Start time period 2 Sunday timer output 4

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(46).T4	R	227	-	0	Timer Output 4	Stop time period 2 Sunday timer output 4
TimeDp.Posts(47).T1	R	228	-	0	Timer Output 4	Start time period 1 Holiday timer output 4
TimeDp.Posts(47).T2	R	229	-	0	Timer Output 4	Stop time period 1 Holiday timer output 4
TimeDp.Posts(47).T3	R	230	-	0	Timer Output 4	Start time period 2 Holiday timer output 4
TimeDp.Posts(47).T4	R	231	-	0	Timer Output 4	Stop time period 2 Holiday timer output 4
TimeDp.Posts(48).T1	R	232	-	7	Timer Output 5	Start time period 1 Monday timer output 5 (HH.MM)
TimeDp.Posts(48).T2	R	233	-	16	Timer Output 5	Stop time period 1 Monday timer output 5
TimeDp.Posts(48).T3	R	234	-	0	Timer Output 5	Start time period 2 Monday timer output 5
TimeDp.Posts(48).T4	R	235	-	0	Timer Output 5	Stop time period 2 Monday timer output 5
TimeDp.Posts(49).T1	R	236	-	7	Timer Output 5	Start time period 1 Tuesday timer output 5
TimeDp.Posts(49).T2	R	237	-	16	Timer Output 5	Stop time period 1 Tuesday timer output 5
TimeDp.Posts(49).T3	R	238	-	0	Timer Output 5	Start time period 2 Tuesday timer output 5
TimeDp.Posts(49).T4	R	239	-	0	Timer Output 5	Stop time period 2 Tuesday timer output 5
TimeDp.Posts(50).T1	R	240	-	7	Timer Output 5	Start time period 1 Wedn. timer output 5
TimeDp.Posts(50).T2	R	241	-	16	Timer Output 5	Stop time period 1 Wedn. timer output 5
TimeDp.Posts(50).T3	R	242	-	0	Timer Output 5	Start time period 2 Wedn. timer output 5
TimeDp.Posts(50).T4	R	243	-	0	Timer Output 5	Stop time period 2 Wedn. timer output 5
TimeDp.Posts(51).T1	R	244	-	7	Timer Output 5	Start time period 1 Thursday timer output 5
TimeDp.Posts(51).T2	R	245	-	16	Timer Output 5	Stop time period 1 Thursday timer output 5
TimeDp.Posts(51).T3	R	246	-	0	Timer Output 5	Start time period 2 Thursday timer output 5

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeDp.Posts(51).T4	R	247	-	0	Timer Output 5	Stop time period 2 Thursday timer output 5
TimeDp.Posts(52).T1	R	248	-	7	Timer Output 5	Start time period 1 Friday timer output 5
TimeDp.Posts(52).T2	R	249	-	16	Timer Output 5	Stop time period 1 Friday timer output 5
TimeDp.Posts(52).T3	R	250	-	0	Timer Output 5	Start time period 2 Friday timer output 5
TimeDp.Posts(52).T4	R	251	-	0	Timer Output 5	Stop time period 2 Friday timer output 5
TimeDp.Posts(53).T1	R	252	-	0	Timer Output 5	Start time period 1 Saturday timer output 5
TimeDp.Posts(53).T2	R	253	-	0	Timer Output 5	Stop time period 1 Saturday timer output 5
TimeDp.Posts(53).T3	R	254	-	0	Timer Output 5	Start time period 2 Saturday timer output 5
TimeDp.Posts(53).T4	R	255	-	0	Timer Output 5	Stop time period 2 Saturday timer output 5
TimeDp.Posts(54).T1	R	256	-	0	Timer Output 5	Start time period 1 Sunday timer output 5
TimeDp.Posts(54).T2	R	257	-	0	Timer Output 5	Stop time period 1 Sunday timer output 5
TimeDp.Posts(54).T3	R	258	-	0	Timer Output 5	Start time period 2 Sunday timer output 5
TimeDp.Posts(54).T4	R	259	-	0	Timer Output 5	Stop time period 2 Sunday timer output 5
TimeDp.Posts(55).T1	R	260	-	0	Timer Output 5	Start time period 1 Holiday timer output 5
TimeDp.Posts(55).T2	R	261	-	0	Timer Output 5	Stop time period 1 Holiday timer output 5
TimeDp.Posts(55).T3	R	262	-	0	Timer Output 5	Start time period 2 Holiday timer output 5
TimeDp.Posts(55).T4	R	263	-	0	Timer Output 5	Stop time period 2 Holiday timer output 5
TimeHp.Posts(0).FromDate	R	264	-	01.01	Holidays	Start date holiday period 1 (MM.DD)
TimeHp.Posts(0).ToDate	R	265	-	01.01	Holidays	End date holiday period 1 (MM.DD)
TimeHp.Posts(1).FromDate	R	266	-	01.01	Holidays	Start date holiday period 2 (MM.DD)

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeHp.Posts(1).ToDate	R	267	-	01.01	Holidays	End date holiday period 2 (MM.DD)
TimeHp.Posts(2).FromDate	R	268	-	01.01	Holidays	Start date holiday period 3 (MM.DD)
TimeHp.Posts(2).ToDate	R	269	-	01.01	Holidays	End date holiday period 3 (MM.DD)
TimeHp.Posts(3).FromDate	R	270	-	01.01	Holidays	Start date holiday period 4 (MM.DD)
TimeHp.Posts(3).ToDate	R	271	-	01.01	Holidays	End date holiday period 4 (MM.DD)
TimeHp.Posts(4).FromDate	R	272	-	01.01	Holidays	Start date holiday period 5 (MM.DD)
TimeHp.Posts(4).ToDate	R	273	-	01.01	Holidays	End date holiday period 5 (MM.DD)
TimeHp.Posts(5).FromDate	R	274	-	01.01	Holidays	Start date holiday period 6 (MM.DD)
TimeHp.Posts(5).ToDate	R	275	-	01.01	Holidays	End date holiday period 6 (MM.DD)
TimeHp.Posts(6).FromDate	R	276	-	01.01	Holidays	Start date holiday period 7 (MM.DD)
TimeHp.Posts(6).ToDate	R	277	-	01.01	Holidays	End date holiday period 7 (MM.DD)
TimeHp.Posts(7).FromDate	R	278	-	01.01	Holidays	Start date holiday period 8 (MM.DD)
TimeHp.Posts(7).ToDate	R	279	-	01.01	Holidays	End date holiday period 8 (MM.DD)
TimeHp.Posts(8).FromDate	R	280	-	01.01	Holidays	Start date holiday period 9 (MM.DD)
TimeHp.Posts(8).ToDate	R	281	-	01.01	Holidays	End date holiday period 9 (MM.DD)
TimeHp.Posts(9).FromDate	R	282	-	01.01	Holidays	Start date holiday period 10 (MM.DD)
TimeHp.Posts(9).ToDate	R	283	-	01.01	Holidays	End date holiday period 10 (MM.DD)
TimeHp.Posts(10).FromDate	R	284	-	01.01	Holidays	Start date holiday period 11 (MM.DD)
TimeHp.Posts(10).ToDate	R	285	-	01.01	Holidays	End date holiday period 11 (MM.DD)
TimeHp.Posts(11).FromDate	R	286	-	01.01	Holidays	Start date holiday period 12 (MM.DD)

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeHp.Posts(11).ToDate	R	287	-	01.01	Holidays	End date holiday period 12 (MM.DD)
TimeHp.Posts(12).FromDate	R	288	-	01.01	Holidays	Start date holiday period 13 (MM.DD)
TimeHp.Posts(12).ToDate	R	289	-	01.01	Holidays	End date holiday period 13 (MM.DD)
TimeHp.Posts(13).FromDate	R	290	-	01.01	Holidays	Start date holiday period 14 (MM.DD)
TimeHp.Posts(13).ToDate	R	291	-	01.01	Holidays	End date holiday period 14 (MM.DD)
TimeHp.Posts(14).FromDate	R	292	-	01.01	Holidays	Start date holiday period 15 (MM.DD)
TimeHp.Posts(14).ToDate	R	293	-	01.01	Holidays	End date holiday period 15 (MM.DD)
TimeHp.Posts(15).FromDate	R	294	-	01.01	Holidays	Start date holiday period 16 (MM.DD)
TimeHp.Posts(15).ToDate	R	295	-	01.01	Holidays	End date holiday period 16 (MM.DD)
TimeHp.Posts(16).FromDate	R	296	-	01.01	Holidays	Start date holiday period 17 (MM.DD)
TimeHp.Posts(16).ToDate	R	297	-	01.01	Holidays	End date holiday period 17 (MM.DD)
TimeHp.Posts(17).FromDate	R	298	-	01.01	Holidays	Start date holiday period 18 (MM.DD)
TimeHp.Posts(17).ToDate	R	299	-	01.01	Holidays	End date holiday period 18 (MM.DD)
TimeHp.Posts(18).FromDate	R	300	-	01.01	Holidays	Start date holiday period 19 (MM.DD)
TimeHp.Posts(18).ToDate	R	301	-	01.01	Holidays	End date holiday period 19 (MM.DD)
TimeHp.Posts(19).FromDate	R	302	-	01.01	Holidays	Start date holiday period 20 (MM.DD)
TimeHp.Posts(19).ToDate	R	303	-	01.01	Holidays	End date holiday period 20 (MM.DD)
TimeHp.Posts(20).FromDate	R	304	-	01.01	Holidays	Start date holiday period 21 (MM.DD)
TimeHp.Posts(20).ToDate	R	305	-	01.01	Holidays	End date holiday period 21 (MM.DD)
TimeHp.Posts(21).FromDate	R	306	-	01.01	Holidays	Start date holiday period 22 (MM.DD)

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimeHp.Posts(21).ToDate	R	307	-	01.01	Holidays	End date holiday period 22 (MM.DD)
TimeHp.Posts(22).FromDate	R	308	-	01.01	Holidays	Start date holiday period 23 (MM.DD)
TimeHp.Posts(22).ToDate	R	309	-	01.01	Holidays	End date holiday period 23 (MM.DD)
TimeHp.Posts(23).FromDate	R	310	-	01.01	Holidays	Start date holiday period 24 (MM.DD)
TimeHp.Posts(23).ToDate	R	311	-	01.01	Holidays	End date holiday period 24 (MM.DD)
VentSettings.Cor_SupplyPID_PGain	R	312	-	33°C	Settings, Control Temp	P-band supply air control
VentSettings.Cor_SupplyPID_ITime	R	313	-	100 s	Settings, Control Temp	I-time supply air control
VentSettings.Cor_ExhaustPID_PGain	R	314	-	100°C	Settings, Control Temp	P-band extract air control
VentSettings.Cor_ExhaustPID_ITime	R	315	-	300 s	Settings, Control Temp	I-time extract air control
VentSettings.Cor_RoomPID_PGain	R	316	-	100°C	Settings, Control Temp	P-band room air control
VentSettings.Cor_RoomPID_ITime	R	317	-	300 s	Settings, Control Temp	I-time room air control
VentSettings.Cor_FrostPID_PGain	R	318	-	100°C	Settings, Control Temp	P-band switchdown mode
VentSettings.Cor_FrostPID_ITime	R	319	-	100 s	Settings, Control Temp	I-time switchdown mode
VentSettings.Cor_DeIcePID_PGain	R	320	-	100°C	Settings, Control Temp	P-band de-icing
VentSettings.Cor_DeIcePID_ITime	R	321	-	100 s	Settings, Control Temp	I-time de-icing
VentSettings.Cor_SAFPID_PGain	R	322	-	500 Pa	Settings, Control Pressure	P-band pressure control SAF
VentSettings.Cor_SAFPID_ITime	R	323	-	60 s	Settings, Control Pressure	I-time pressure control SAF
VentSettings.Cor_EAFPID_PGain	R	324	-	500 Pa	Settings, Control Pressure	P-band pressure control EAF
VentSettings.Cor_EAFPID_ITime	R	325	-	60 s	Settings, Control Pressure	I-time pressure control EAF
VentSettings.Cor_SAFAirFlowPID_PGain	R	326	-	1000 m^3/h	Settings, Control Flow	P-band flow control SAF

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_SAFPID_ITime	R	327	-	60 s	Settings, Control Flow	I-time flow control SAF
VentSettings.Cor_EAFAirFlowPID_PGain	R	328	-	1000 m^3/h	Settings, Control Flow	P-band flow control EAF
VentSettings.Cor_EAFPID_ITime	R	329	-	60 s	Settings, Control Flow	I-time flow control EAF
VentSettings.Cor_HumidityPID_PGain	R	330	-	100 % RH	Settings, Control Humidity	P-band humidity control
VentSettings.Cor_HumidityPID_ITime	R	331	-	300 s	Settings, Control Humidity	I-time humidity control
VentSettings.Cor_SupplyMaxDiff	R	332	AV, 30332	10°C	Settings, Alarm Limits	Max control deviation supply air temp
VentSettings.Cor_SupplyHighAlarmLimit	R	333	AV, 30333	30°C	Settings, Alarm Limits	High alarm limit supply air temp
VentSettings.Cor_SupplyLowAlarmLimit	R	334	AV, 30334	10°C	Settings, Alarm Limits	Low alarm limit supply air temp
VentSettings.Cor_ExhaustAirTempHigh	R	335	AV, 30335	30°C	Settings, Alarm Limits	High alarm limit extract air temp
VentSettings.Cor_ExhaustAirTempLow	R	336	AV, 30336	10°C	Settings, Alarm Limits	Low alarm limit extract air temp
VentSettings.Cor_RoomHighLimit	R	337	AV, 30337	30°C	Settings, Alarm Limits	High alarm limit room air temp
VentSettings.Cor_RoomLowLimit	R	338	AV, 30338	10°C	Settings, Alarm Limits	Low alarm limit room air temp
VentSettings.Cor_FrostLimit	R	339	AV, 30339	7°C	Settings, Alarm Limits	Alarm limit frost protection
VentSettings.Cor_SAFMaxDiffPressure	R	340	AV, 30340	50 Pa	Settings, Alarm Limits	Max control deviation pressure SAF
VentSettings.Cor_EAFMaxDiffPressure	R	341	AV, 30341	50 Pa	Settings, Alarm Limits	Max control deviation pressure EAF
VentSettings.Cor_EfficiencyLowLimit	R	342	AV, 30342	50 %	Settings, Alarm Limits	Low efficiency
AlaData.AlaPt13_DelayValue	I	343	-	30 min	Settings, Alarm Delays	Alarm delay control deviation supply air temp
AlaData.AlaPt15_DelayValue	I	344	-	5 s	Settings, Alarm Delays	Alarm delay high supply air temp
AlaData.AlaPt16_DelayValue	I	345	-	5 s	Settings, Alarm Delays	Alarm delay low supply air temp
AlaData.AlaPt21_DelayValue	I	346	-	30 min	Settings, Alarm Delays	Alarm delay high extract air temp

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
AlaData.AlaPt22_DelayValue	I	347	-	30 min	Settings, Alarm Delays	Alarm delay low extract air temp
AlaData.AlaPt19_DelayValue	I	348	-	30 min	Settings, Alarm Delays	Alarm delay high room air temp
AlaData.AlaPt20_DelayValue	I	349	-	30 min	Settings, Alarm Delays	Alarm delay low alarm room air temp
AlaData.AlaPt25_DelayValue	I	350	-	0 s	Settings, Alarm Delays	Alarm delay frost protection
AlaData.AlaPt31_DelayValue	I	351	-	30 min	Settings, Alarm Delays	Alarm delay max control deviation pressure SAF
AlaData.AlaPt32_DelayValue	I	352	-	30 min	Settings, Alarm Delays	Alarm delay max control deviation pressure EAF
AlaData.AlaPt26_DelayValue	I	353	-	30 min	Settings, Alarm Delays	Alarm delay low efficiency
AlaData.AlaPt1_DelayValue	I	354	-	120 s	Settings, Alarm Delays	Alarm delay malfunction SAF
AlaData.AlaPt2_DelayValue	I	355	-	120 s	Settings, Alarm Delays	Alarm delay malfunction EAF
AlaData.AlaPt3_DelayValue	I	356	-	5 s	Settings, Alarm Delays	Alarm delay malfunction P1-Heating
AlaData.AlaPt4_DelayValue	I	357	-	5 s	Settings, Alarm Delays	Alarm delay malfunction P1-Cooling
AlaData.AlaPt5_DelayValue	I	358	-	20 s	Settings, Alarm Delays	Alarm delay malfunction P1-Exchanger
AlaData.AlaPt6_DelayValue	I	359	-	180 s	Settings, Alarm Delays	Alarm delay filter monitoring
AlaData.AlaPt7_DelayValue	I	360	-	5 s	Settings, Alarm Delays	Alarm delay flow switch
AlaData.AlaPt8_DelayValue	I	361	-	0 s	Settings, Alarm Delays	Alarm delay frost protection
AlaData.AlaPt9_DelayValue	I	362	-	0 s	Settings, Alarm Delays	Alarm delay frost protection digital input
AlaData.AlaPt10_DelayValue	I	363	-	0 s	Settings, Alarm Delays	Alarm delay fire alarm
AlaData.AlaPt12_DelayValue	I	364	-	0 s	Settings, Alarm Delays	Alarm delay external alarm
AlaData.AlaPt23_DelayValue	I	365	-	0 s	Settings, Alarm Delays	Alarm delay electric heater
AlaData.AlaPt27_DelayValue	I	366	-	5 s	Settings, Alarm Delays	Alarm delay sensor error

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
AlaData.AlaPt29_DelayValue	I	367	-	20 s	Settings, Alarm Delays	Alarm delay rotation guard exchanger
VentSettings.Cor_AirUnitAutoMode	X	368	MSV, 30368	3	Manual/Auto	Running mode air unit: 0=Manual off 1=Manual reduced speed 2=Manual normal speed 3=Auto
VentSettings.Cor_SupplyPID_Select	X	369	-	2	Manual/Auto	Supply temp controller mode: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_SupplyPID_ManSet	R	370	-	0 %	Manual/Auto	Supply temp controller output if manual on mode
VentSettings.Cor_SAFAutoMode(0)	X	371	-	3	Manual/Auto	Running mode SAF: 0=Off 1=Manual half speed 2=Manual full speed 3=Auto
VentSettings.Cor_EAFAutoMode	X	372	-	3	Manual/Auto	Running mode EAF: 0=Off 1=Manual half speed 2=Manual full speed 3=Auto
VentSettings.Cor_SAFFrequenceAutoMode	X	373	-	3	Manual/Auto	Running mode frequence controlled SAF 0=Manual 1=Man. half speed 2=Man. Fullspeed 3=Auto
VentSettings.Cor_SAFManual	R	374	-	0 %	Manual/Auto	Freguencer controller output SAF if manual mode
VentSettings.Cor_EAFFrequenceAutoMode	X	375	-	3	Manual/Auto	Running mode frequence controlled EAF 0=Manual 1=Man. half speed 2=Man. Fullspeed 3=Auto
VentSettings.Cor_EAFManual	R	376	-	0 %	Manual/Auto	Freguencer controller output EAF if manual mode
VentSettings.Cor_HeatCoilAutoMode(0)	X	377	-	2	Manual/Auto	Running mode Heating: 0=Off 1=Manual 2=Auto
VentSettings.Cor_HeatCoilManual(0)	R	378	-	0	Manual/Auto	Heating controller output if

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						manual mode
VentSettings.Cor_ExchCoilAutoMode	X	379	-	2	Manual/Auto	Running mode Exchanger: 0=Off 1=Manual 2=Auto
VentSettings.Cor_ExchCoilManual	R	380	-	0	Manual/Auto	Exchanger controller output if manual mode
VentSettings.Cor_CoolCoilAutoMode	X	381	-	2	Manual/Auto	Running mode Cooling: 0=Off 1=Manual 2=Auto
VentSettings.Cor_CoolCoilManual	R	382	-	0	Manual/Auto	Cooling controller output if manual mode
VentSettings.Cor_HumidityPID_Select	X	383	-	2	Manual/Auto	Running mode Humidification/Dehumidification: 0=Off 1=Manual 2=Auto
VentSettings.Cor_HumidityPID_ManSet	R	384	-	0	Manual/Auto	Humidification/Dehumidification controller output if manual mode
VentSettings.Cor_HeatPumpAutoMode(0)	X	385	-	2	Manual/Auto	Running mode P1-Heating: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_ExchPumpAutoMode	X	386	-	2	Manual/Auto	Running mode P1-Exchanger: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_CoolPumpAutoMode	X	387	-	2	Manual/Auto	Running mode P1-Cooling: 0=Manual off 1=Manual on 2=Auto
VentSettings.Cor_FireDamperAutoMode	X	388	-	2	Manual/Auto	Running mode fire damper: 0=Close 1=Open 2=Auto
VentSettings.Cor_FreshAirDamperAutoMode	X	389	-	2	Manual/Auto	Running mode fresh air damper: 0=Close 1=Open 2=Auto
VentSettings.Cor_RecycleAirDamperAutoMode	X	390	-	2	Manual/Auto	Running mode recirculation damper:

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						0=Close 1=Open 2=Auto
VentSettings.Cor_ExtractAirDamperAutoMode	X	391	-	2	Manual/Auto	Running mode extract air damper: 0=Close 1=Open 2=Auto
VentActual.Cor_OutDoorTemp(0)	R	392	AV, 30392		Actual/Setpoint	Outdoor temperature (Can be modified if it's not connected to a physic analogue input).
TimePro. TimeGroupStatusFanFullSpeed	X	393	MSV, 30393	4	Manual/Auto	Manual/Auto Full Speed time channel 0=Manual-Off 1=Manual-On 2=Forced Off 3=Forced On 4=Auto
TimePro. TimeGroupStatusFanHalfSpeed	X	394	MSV, 30394	4	Manual/Auto	Manual/Auto Half Speed time channel 0=Manual-Off 1=Manual-On 2=Forced Off 3=Forced On 4=Auto
TimePro. TimeGroupStatusCor_ExtraTimeGroup1	X	395	-	4	Manual/Auto	Manual/Auto Timer output 1
TimePro. TimeGroupStatusCor_ExtraTimeGroup2	X	396	-	4	Manual/Auto	Manual/Auto Timer output 2 0=Manual-Off 1=Manual-On 2=Forced Off 3=Forced On 4=Auto
TimePro. TimeGroupStatusCor_ExtraTimeGroup3	X	397	-	4	Manual/Auto	Manual/Auto Timer output 3
TimePro. TimeGroupStatusCor_ExtraTimeGroup4	X	398	-	4	Manual/Auto	Manual/Auto Timer output 4 0=Manual-Off 1=Manual-On 2=Forced Off 3=Forced On 4=Auto
TimePro. TimeGroupStatusCor_ExtraTimeGroup5	X	399	MSV, 30399	4	Manual/Auto	Manual/Auto Timer output 5
Alarms.AlaAcknow	X	400	-	255	Alarm Acknowledging, Blocking and	External alarm acknowledge by setting this signal to the alarm number that should be

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
					Unblocking	acknowledge.
Alarms.AlaBlock	X	401	-	255	Alarm Acknowledging, Blocking and Unblocking	External alarm blocking by setting this signal to the alarm number that should be blocked.
Alarms.AlaUnBlock	X	402	-	255	Alarm Acknowledging, Blocking and Unblocking	External alarm unblocking by setting this signal to the alarm number that should be unblocked.
VentSettings.Cor_HeatPumpLimit	R	403	-	10°C	Actual/Setpoint	If lower outdoortemp the heating pump is not stoped
VentSettings.Cor_SupplySetpointMax	R	404	AV, 30404	30°C	Supply,Extract and Room temperatures	Max limit of supply setpoint when cascade control
VentSettings.Cor_SupplySetpointMin	R	405	AV, 30405	12°C	Supply,Extract and Room temperatures	Min limit of supply setpoint when cascade control
QSystem.Sec	X	406	-		Real Time Clock	Real time clock: Second 0-59
QSystem.Minute	X	407	-		Real Time Clock	Real time clock: Minute 0-59
QSystem.Hour	X	408	-		Real Time Clock	Real time clock: Hour 0-23
QSystem.WDay	X	409	-		Real Time Clock	Real time clock: Day of Week 1-7, 1=Monday
QSystem.Week	X	410	-		Real Time Clock	Real time clock: Week number 1-53
QSystem.Date	X	411	-		Real Time Clock	Real time clock: Day of month 1-31
QSystem.Month	X	412	-		Real Time Clock	Real time clock: Month 1-12
QSystem.Year	X	413	-		Real Time Clock	Real time clock: Year 0-99
VentSettings.Cor_Comp1Pressure	R	414	-	0	SAF/EAF Pressure and Flow	Pressure compensation at breakpoint 1
VentSettings. Cor_Comp1Temp	R	415	-	-20	SAF/EAF Pressure and Flow	Outdoor temp breakpoint 1 (must be lower than breakpoint 2 temp)
VentSettings.Cor_Comp2Pressure	R	416	-	0	SAF/EAF Pressure and Flow	Pressure compensation at breakpoint 2

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_Comp2Temp	R	417	-	10	SAF/EAF Pressure and Flow	Outdoor temp breakpoint 2 (must be higher than breakpoint 1 temp)
VentSettings.Cor_HumidityMaxDiff	R	418	-	10 % RH	Humidity	Max allowed difference between setpoint and humidity in room before alarm
VentSettings.Cor_HumidityStartLimit	R	419	-	15 % RH	Humidity	Start limit in % to start digital output signal "Cor_HumidityStart(0)"
VentSettings.Cor_HumidityStopLimit	R	420	-	5 % RH	Humidity	Stop limit in % to stop digital output signal "Cor_HumidityStart(0)"
VentSettings.Cor_HumidityAutoMode	X	421	-	2	Manual/Auto	Running mode humidity start signal 0=Off 1=On 2=Auto
VentSettings.Cor_ExchStartDelay	I	422	-	0 s	Settings, General	Start delay Exchanger (s)
VentSettings.Cor_DXBlockLimit	R	423	AV, 30423	0°C	Settings, General	If lower outdoor temperature all steps for DX-cooling is blocked
VentSettings.Cor_SAFFullspeedOutput	R	424	-	75 %	SAF/EAF Pressure and Flow	Output signal (0-100%) full speed SAF if Frequency control manually
VentSettings.Cor_SAFHalfspeedOutput	R	425	-	50 %	SAF/EAF Pressure and Flow	Output signal (0-100%) half speed SAF if Frequency control manually
VentSettings.Cor_EAFFullspeedOutput	R	426	-	75 %	SAF/EAF Pressure and Flow	Output signal (0-100%) full speed EAF if Frequency control manually
VentSettings.Cor_EAFHalfspeedOutput	R	427	-	50 %	SAF/EAF Pressure and Flow	Output signal (0-100%) half speed EAF if Frequency control manually
VentSettings.Cor_CoolStepBlock1	R	428	-	0 %	Settings, General	If frequens output signal SAF is lower cool step 1 is blocked
VentSettings.Cor_CoolStepBlock2	R	429	-	0 %	Settings, General	If frequens output signal SAF is lower cool step 2 is blocked
VentSettings.Cor_CoolStepBlock3	R	430	-	0 %	Settings, General	If frequens output signal SAF is lower cool step 3 is blocked

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_CoolStepBlockLimit1(0)	R	431	-	13°C	Settings, General	If lower outdoor temperature Cool step 1 is blocked
VentSettings.Cor_CoolStepBlockLimit2	R	432	-	13°C	Settings, General	If lower outdoor temperature Cool step 2 is blocked
VentSettings.Cor_CoolStepBlockLimit3	R	433	-	13°C	Settings, General	If lower outdoor temperature Cool step 3 is blocked
VentSettings.Cor_ExtraUnitFunc	X	434	-	0	Extra Unit	Start/Stop function Extra Unit: 0=Off 1=Always running 2=Running if unit is running
VentSettings.Cor_ExtraUnitSetP	R	435	-	18°C	Extra Unit	Setpoint Extra Unit
VentSettings.Cor_ExtraUnitPID1Mode	X	436	-	0	Extra Unit	Control mode Extra Unit 0=Heating Controller 1=Cooling Controller
VentSettings.Cor_ExtraUnitPID1_Select(0)	X	437	-	2	Manual/Auto	Manual/Auto Extra Unit Controller 0=Off 1=Manual 2=Auto
VentSettings.Cor_ExtraUnitPID1_ManSet(0)	R	438	-	0	Manual/Auto	Extra Unit Controller output if manual mode
VentSettings.Cor_RecycleSetP	R	439	AV, 30439	18°C	Recirculation	Recirculation setpoint
VentSettings.Cor_RecycleMaxRoomTemp	R	440	AV, 30440	25°C	Recirculation	If higher room temp when Recirculation run recirculation damper is closed and fresh air damper is opend
VentSettings.Cor_RecycleSAFOffset	R	441	AV, 30441	0	Recirculation	Setpoint offset if pressure/flow controlled SAF (Pa)
VentSettings.Cor_RecycleEAFOffset	R	442	-	0	Recirculation	Setpoint offset if pressure/flow controlled EAF (this is not used)
VentSettings.Cor_SAFAirFlowK	R	443	-	100	SAF/EAF Pressure and Flow	K-constant for counting air flow SAF airflow = Cor_AirFlowK * Cor_SAFPressure^Cor_AirFlowx
VentSettings.Cor_SAFAirFlowx	R	444	-	0.5	SAF/EAF Pressure and Flow	X-constant for counting air flow SAF
VentSettings.Cor_EAFAirFlowK	R	445	-	100	SAF/EAF Pressure and	K-constant for counting air flow EAF

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
					Flow	airflow = Cor_AirFlowK * Cor_SAFPressure^Cor_AirFlowx
VentSettings.Cor_EAFAirFlowx	R	446	-	0.5	SAF/EAF Pressure and Flow	X-constant for counting air flow EAF
VentSettings.Cor_EAFFrequencyFact	R	447	-	1	SAF/EAF Pressure and Flow	Factor for controlling EAF if CAV fan control is configured (EAF is controlled by SAF with this factor)
VentSettings.Cor_ExtraSeqCoilAutoMode	X	448	-	2	Manual/Auto	Manual/Auto Extra Sequence Y4 0=Off 1=Manual 2=Auto
VentSettings.Cor_ExtraSeqCoilManual	R	449	-	0	Manual/Auto	Extra Sequence Y4 output if manual mode
VentSettings.Cor_FilterAlarmTime	I	450	-	0	Settings, Alarm Delays	Time in month between filter exchange (Service Alarm)
VentSettings.Cor_ExternalControl	X	451	MSV, 30451	2	Manual/Auto	External control: 0=Extended run full speed 1=External stop 2=No external control 3=External stop with support control
VentSettings.Cor_PreHeatStart	R	452	-	8	Settings, PreTreatment	If outdoor temp. is lower, preheat is activated
VentSettings.Cor_PreCoolStart	R	453	-	19	Settings, PreTreatment	If outdoor temp. is higher, precool is activated
VentSettings.Cor_PreTreatHyst	R	454	-	1	Settings, PreTreatment	Hysteresis to start/stop pretreatment
VentSettings.Cor_PreTreatMinDiff	R	455	-	1	Settings, PreTreatment	Min. diff. intake air temp. and outdoor air temp.
VentSettings.Cor_PreTreatmentAutoMode	X	456	-	2	Settings, PreTreatment	Run mode pretreatment: 0=Closed 1=Open 2=Auto
VentSettings.Cor_PreTreatFreeCool	X	457	-	0	Settings, PreTreatment	Select if pretreatment should be activated during free cooling
VentSettings.Cor_PreTreatBlockTime	X	458	-	6	Settings, PreTreatment	Hour that pretreatment is blocked if diff. intake/outdoor is too low

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_PreTreatMinRunTime	X	459	-	5	Settings, PreTreatment	Min. runtime (minutes) for pretreatment
VentSettings.Cor_RestartPowerOn	X	460	-	1	Settings, General	Automatic restart after power-up (=1)
VentSettings.Cor_DXFullSpeed	X	461	-	0	Settings, General	Switch to full speed if DX-Cooling
VentSettings.Cor_RecycleSetPOffset	R	462	-	0	Recirculation	Offset for recirculation setpoint
VentSettings.Cor_RecycleSetPControl	X	463	-	0	Recirculation	Select if constant setpoint or setpoint adjustment when recirculation run: 0=Constant setpoint 1=Supply air setpoint with adjustment
VentSettings.Cor_RecycleTempControl	X	464	-	0	Recirculation	Enable supply air temp control when recirculation run: 0=No temp control 1=heating/cooling 2=only heating 3=only cooling
VentSettings.Cor_DemandCO2Value1	R	465	AV, 30465	800	CO_2	Activation of demand-controlled ventilation, 1/2-speed
VentSettings.Cor_DemandCO2Value2	R	466	AV, 30466	1000	CO_2	Activation of demand-controlled ventilation, 1/1-speed
VentSettings.Cor_DemandCO2Diff	R	467	AV, 30467	160	CO_2	Hysteresis for stop of demand controlled ventilation (ppm)
VentSettings.Cor_CascadeTemp	R	468	-	13	Supply, Extract and Room temperatures	Outdoor temp for switching between outdoor compensated or cascade control if Cor_VentControl = 4 or 5 (if higher outdoor temp then cascade control)
VentSettings.Cor_ExtraSeqY5AutoMode	X	469	-	2	Manual/Auto	Run mode Extra seq coil Y5 (0=Off, 1=Manual, 2=Auto)
VentSettings.Cor_ExtraSeqY5Manual	R	470	-	0	Manual/Auto	Manual setting Extra seq coil Y5 if manual mode
VentSettings.Cor_ExtraSeqY5Min	R	471	-	0	Actual/Setpoint	Min. limit for Y5 in Auto mode
VentSettings.Cor_ReducedSetPOffset	R	472	-	0	Actual/Setpoint	Temperature setpoint offset in reduced speed

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_ChangeOverSelect	X	473	MSV, 30473	2	Settings, General	Select change-over external: Modbus: 0=Heating 1=Cooling 2=Auto BACnet: 1=Heating 2=Cooling 3=Auto
VentSettings.Cor_VentControl	X	474	-	0	Settings, General	Select temperature control mode: 0=Const. supply air 1=Outdoor compensated supply air 2=Cascade room temp control 3=Extract temp control 4=Outdoor dependent supply or room temp 5=Outdoor dependent supply or extract temp 6=Cascade outdoor compensated room temp control 7=Cascade outdoor compensated extract temp control
VentSettings.Cor_FanType	X	475	-	0	Settings, General	Select fan control mode: 0=1-Speed. 1=2-Speed. 2=Frequency control pressure 3=Frequency control air flow 4=Frequency control manually 5=Direct frequency control 6=Frequency control with slave controlled EAF 7=Frequency control with slave controlled EAF air flow depending 8=Frequency control with slave controlled SAF 9=Frequency control with slave controlled SAF air flow depending
VentSettings.Cor_HeatType	X	476	-	0	Settings, General	Type of heating: 0=Water 1=Electric 2=Not connected

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						3=Both water and electric
VentSettings.Cor_CoolType	X	477	-	0	Settings, General	Type of cooling: 0=Water 1=DX 2=Not connected 3=DX with exchange control
VentSettings.Cor_ExchType	X	478	-	2	Settings, General	Type of heat exchanger: 0=Damper 1=Rot.exchanger 2=Plate exchanger 3=Liquid exchanger 4=Not connected
VentSettings.Cor_NightCoolDayLimit	R	479	AV, 30479	22	Settings, Free cooling	If outdoor temp. has been higher during daytime, free cooling is activated at night
VentSettings.Cor_NightCoolHighLimit	R	480	AV, 30480	18	Settings, Free cooling	If outdoor temp. is higher at night, free cooling is stopped
VentSettings.Cor_NightCoolLowLimit	R	481	AV, 30481	10	Settings, Free cooling	If outdoor temp is lower at night, free cooling is stopped
VentSettings.Cor_NightCoolRoomLimit	R	482	AV, 30482	18	Settings, Free cooling	If room temp is lower at night, free cooling is stopped
VentSettings.Cor_NightCoolStartTime	X	483	-	0	Settings, Free cooling	Start time free cool function
VentSettings.Cor_NightCoolStopTime	X	484	-	7	Settings, Free cooling	Stop time free cool function
VentSettings.Cor_NightCoolHeatBlockTime	I	485	-	60	Settings, Free cooling	Time in minutes to block heat output when starting after running free cooling
VentSettings.Cor_NightCoolSAFOutput	R	486	-	0	Settings, Free cooling	SAF output when free cooling and frequency fan: 0=The output is normal speed
VentSettings.Cor_NightCoolEAFOutput	R	487	-	0	Settings, free cooling	EAF output when free cooling and frequency fan: 0=The output is normal speed
AlaData.AlaPt90_DelayValue	I	488	-	180	Settings, Alarm Delays	Filter guard 2
VentSettings.Cor_ExtraSensor1HighLimit(0)	R	489	-	30	Settings, Alarm limits	Alarm limit high temp Extra sensor 1
VentSettings.Cor_ExtraSensor2HighLimit	R	490	-	30	Settings, Alarm limits	Alarm limit high temp Extra sensor 2
VentSettings.Cor_ExtraSensor3HighLimit	R	491	-	30	Settings, Alarm limits	Alarm limit high temp Extra sensor 3

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentSettings.Cor_ExtraSensor4HighLimit	R	492	-	30	Settings, Alarm limits	Alarm limit high temp Extra sensor 4
VentSettings.Cor_ExtraSensor5HighLimit	R	493	-	30	Settings, Alarm limits	Alarm limit high temp Extra sensor 5
VentSettings.Cor_ExtraSensor1LowLimit(0)	R	494	-	10	Settings, Alarm limits	Alarm limit low temp Extra sensor 1
VentSettings.Cor_ExtraSensor2LowLimit	R	495	-	10	Settings, Alarm limits	Alarm limit low temp Extra sensor 2
VentSettings.Cor_ExtraSensor3LowLimit	R	496	-	10	Settings, Alarm limits	Alarm limit low temp Extra sensor 3
VentSettings.Cor_ExtraSensor4LowLimit	R	497	-	10	Settings, Alarm limits	Alarm limit low temp Extra sensor 4
VentSettings.Cor_ExtraSensor5LowLimit	R	498	-	10	Settings, Alarm limits	Alarm limit low temp Extra sensor 5
VentSettings.Cor_FilterGuard1Limit	R	499	-	100	Settings, Alarm limits	Alarm limit filter guard 1 (Pa)
VentSettings.Cor_FilterGuard2Limit	R	500	-	100	Settings, Alarm limits	Alarm limit filter guard 2 (Pa)

8 Input Status Register

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
TimePro.TimeGroupFanFullSpeed	L	1	BV, 20001		Actual/Setpoint	Is set if timechannel full speed is active
TimePro.TimeGroupFanHalfSpeed	L	2	BV, 20002		Actual/Setpoint	Is set if timechannel reduced speed is active
TimePro.TimeGroupCor_ExtraTimeGroup1	L	3	-		Actual/Setpoint	Is set if timer output 1 is active
TimePro.TimeGroupCor_ExtraTimeGroup2	L	4	-		Actual/Setpoint	Is set if timer output 2 is active
TimePro.TimeGroupCor_ExtraTimeGroup3	L	5	-		Actual/Setpoint	Is set if timer output 3 is active
TimePro.TimeGroupCor_ExtraTimeGroup4	L	6	-		Actual/Setpoint	Is set if timer output 4 is active
TimePro.TimeGroupCor_ExtraTimeGroup5	L	7	-		Actual/Setpoint	Is set if timer output 5 is active
VentActual.Cor_ExtendedRunActiveFull	L	8	BV, 20008		Actual/Setpoint	Is set if extended operation full speed
VentActual.Cor_ExtendedRunActiveHalf	L	9	BV, 20009		Actual/Setpoint	Is set if extended operation half speed
VentActual.Cor_NeedHeatActive	L	10	BV, 20010		Supply,Extract and Room temperatures	Is set if ongoing support heating
VentActual. Cor_NeedCoolActive	L	11	BV, 20011		Supply,Extract and Room temperatures	Is set if ongoing support cooling
VentActual.Cor_DemandCO2Active	L	12	BV, 20012		CO_2	Is set if ongoing support CO_2
VentActual.Cor_DeIcingActive	L	13	BV, 20013		Extract air temp/De-icing exchanger	Is set if ongoing de-icing
QDig.DI1	L	14	BV, 20014		Digital inputs	Value of DI1
QDig.DI2	L	15	BV, 20015		Digital inputs	Value of DI2
QDig.DI3	L	16	BV, 20016		Digital inputs	Value of DI3
QDig.DI4	L	17	BV, 20017		Digital inputs	Value of DI4
QDig.DI5	L	18	BV, 20018		Digital inputs	Value of DI5
QDig.DI6	L	19	BV, 20019		Digital inputs	Value of DI6
QDig.DI7	L	20	BV, 20020		Digital inputs	Value of DI7
QDig.DI8	L	21	BV, 20021		Digital inputs	Value of DI8

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
QDig.DI9	L	22	BV, 20022		Universal inputs	Value of UDI1
QDig.DI10	L	23	BV, 20023		Universal inputs	Value of UDI2
QDig.DI11	L	24	BV, 20024		Universal inputs	Value of UDI3
QDig.DI12	L	25	BV, 20025		Universal inputs	Value of UDI4
QDig.Dq1	L	26	BV, 20026		Digital outputs	Value of DO1
QDig.Dq2	L	27	BV, 20027		Digital outputs	Value of DO2
QDig.Dq3	L	28	BV, 20028		Digital outputs	Value of DO3
QDig.Dq4	L	29	BV, 20029		Digital outputs	Value of DO4
QDig.Dq5	L	30	BV, 20030		Digital outputs	Value of DO5
QDig.Dq6	L	31	BV, 20031		Digital outputs	Value of DO6
QDig.Dq7	L	32	BV, 20032		Digital outputs	Value of DO7
VentActual.Cor_AlaPt(1)	L	33	BV, 20033		Alarm Points	Run Error Supply Air Fan 0=No alarm 1=Alarm
VentActual.Cor_AlaPt(2)	L	34	BV, 20034		Alarm Points	Run Error Extract Air Fan
VentActual.Cor_AlaPt(3)	L	35	BV, 20035		Alarm Points	Run Error P1-Heater
VentActual.Cor_AlaPt(4)	L	36	BV, 20036		Alarm Points	Run Error P1-Cooler
VentActual.Cor_AlaPt(5)	L	37	BV, 20037		Alarm Points	Run Error P1-Exchanger
VentActual.Cor_AlaPt(6)	L	38	BV, 20038		Alarm Points	Filter guard
VentActual.Cor_AlaPt(7)	L	39	BV, 20039		Alarm Points	Flow guard
VentActual.Cor_AlaPt(8)	L	40	BV, 20040		Alarm Points	External frost guard
VentActual.Cor_AlaPt(9)	L	41	BV, 20041		Alarm Points	Deicing pressure guard
VentActual.Cor_AlaPt(10)	L	42	BV, 20042		Alarm Points	Fire alarm
VentActual.Cor_AlaPt(11)	L	43	BV, 20043		Alarm Points	External switch
VentActual.Cor_AlaPt(12)	L	44	BV, 20044		Alarm Points	External alarm
VentActual.Cor_AlaPt(13)	L	45	BV, 20045		Alarm Points	Supply Air control error
VentActual.Cor_AlaPt(14)	L	46	BV, 20046		Alarm Points	Deviation Humidity control
VentActual.Cor_AlaPt(15)	L	47	BV, 20047		Alarm Points	High supply air temp
VentActual.Cor_AlaPt(16)	L	48	BV, 20048		Alarm Points	Low supply air temp
VentActual.Cor_AlaPt(17)	L	49	BV, 20049		Alarm Points	Supply Air Fan max

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						limit
VentActual.Cor_AlaPt(18)	L	50	BV, 20050		Alarm Points	Supply Air Fan min limit
VentActual.Cor_AlaPt(19)	L	51	BV, 20051		Alarm Points	High room temp
VentActual.Cor_AlaPt(20)	L	52	BV, 20052		Alarm Points	Low room temp
VentActual.Cor_AlaPt(21)	L	53	BV, 20053		Alarm Points	High extract air temp
VentActual.Cor_AlaPt(22)	L	54	BV, 20054		Alarm Points	Low extract air temp
VentActual.Cor_AlaPt(23)	L	55	BV, 20055		Alarm Points	Electric heating is overheated
VentActual.Cor_AlaPt(24)	L	56	BV, 20056		Alarm Points	Frost risk
VentActual.Cor_AlaPt(25)	L	57	BV, 20057		Alarm Points	Low frost guard temp
VentActual.Cor_AlaPt(26)	L	58	BV, 20058		Alarm Points	Low efficiency
VentActual.Cor_AlaPt(27)	L	59	BV, 20059		Alarm Points	Sensor error outdoor temp
VentActual.Cor_AlaPt(28)	L	60	BV, 20060		Alarm Points	Analogue deicing
VentActual.Cor_AlaPt(29)	L	61	BV, 20061		Alarm Points	Rotation guard exchanger
VentActual.Cor_AlaPt(30)	L	62	BV, 20062		Alarm Points	Fire damper is out of operation
VentActual.Cor_AlaPt(31)	L	63	BV, 20063		Alarm Points	Supply Air Fan control error
VentActual.Cor_AlaPt(32)	L	64	BV, 20064		Alarm Points	Extract Air Fan control error
VentActual.Cor_AlaPt(33)	L	65	BV, 20065		Alarm Points	Supply Air Fan external operation
VentActual.Cor_AlaPt(34)	L	66	BV, 20066		Alarm Points	Extract Air Fan external operation
VentActual.Cor_AlaPt(35)	L	67	BV, 20067		Alarm Points	Ventilation Manual mode
VentActual.Cor_AlaPt(36)	L	68	BV, 20068		Alarm Points	Manual supply air control
VentActual.Cor_AlaPt(37)	L	69	BV, 20069		Alarm Points	Manual Supply Air Fan mode
VentActual.Cor_AlaPt(38)	L	70	BV, 20070		Alarm Points	Manual Supply Air Fan freq control
VentActual.Cor_AlaPt(39)	L	71	BV, 20071		Alarm Points	Manual Extract Air Fan mode
VentActual.Cor_AlaPt(40)	L	72	BV, 20072		Alarm Points	Manual Extract Air Fan

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						freq control
VentActual.Cor_AlaPt(41)	L	73	BV, 20073		Alarm Points	Manual heater control
VentActual.Cor_AlaPt(42)	L	74	BV, 20074		Alarm Points	Manual cooler control
VentActual.Cor_AlaPt(43)	L	75	BV, 20075		Alarm Points	Manual exchanger control
VentActual.Cor_AlaPt(44)	L	76	BV, 20076		Alarm Points	Manual P1-Heater
VentActual.Cor_AlaPt(45)	L	77	BV, 20077		Alarm Points	Manual P1-Cooler
VentActual.Cor_AlaPt(46)	L	78	BV, 20078		Alarm Points	Manual P1-Exchanger
VentActual.Cor_AlaPt(47)	L	79	BV, 20079		Alarm Points	Manual fire damper
VentActual.Cor_AlaPt(48)	L	80	BV, 20080		Alarm Points	Internal battery error
VentActual.Cor_SAFStart1(0)	L	81	BV, 20081		SAF/EAF Pressure and Flow	Start signal full speed supply air fan
VentActual.Cor_EAFStart1	L	82	BV, 20082		SAF/EAF Pressure and Flow	Start signal full speed extract air fan
VentActual.Cor_SAFStart2	L	83	BV, 20083		SAF/EAF Pressure and Flow	Start signal half speed supply air fan
VentActual.Cor_EAFStart2	L	84	BV, 20084		SAF/EAF Pressure and Flow	Start signal half speed extract air fan
VentActual.Cor_HeatPumpStart(0)	L	85	BV, 20085		Actual/Setpoint	Start signal Heat Pump
VentActual.Cor_ExchPumpStart	L	86	BV, 20086		Actual/Setpoint	Start signal Exchanger
VentActual.Cor_CoolPumpStart	L	87	BV, 20087		Actual/Setpoint	Start signal Cool Pump
VentActual.Cor_SAFFrequencyStart	L	88	BV, 20088		SAF/EAF Pressure and Flow	Start signal frequencer supply air fan
VentActual.Cor_EAFFrequencyStart	L	89	BV, 20089		SAF/EAF Pressure and Flow	Start signal frequencer extract air fan
VentActual.Cor_AlaPt(49)	L	90	BV, 20090		Alarm Points	Sensor error Supply Air temp
VentActual.Cor_AlaPt(50)	L	91	BV, 20091		Alarm Points	Sensor error Extract Air temp
VentActual.Cor_AlaPt(51)	L	92	BV, 20092		Alarm Points	Sensor error Room temp 1
VentActual.Cor_AlaPt(52)	L	93	BV, 20093		Alarm Points	Sensor error Room temp 2
VentActual.Cor_AlaPt(53)	L	94	BV, 20094		Alarm Points	Sensor error Extract Air temp
VentActual.Cor_AlaPt(54)	L	95	BV, 20095		Alarm Points	Sensor error Extra sensor

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentActual.Cor_AlaPt(55)	L	96	BV, 20096		Alarm Points	Sensor error SAF pressure
VentActual.Cor_AlaPt(56)	L	97	BV, 20097		Alarm Points	Sensor error EAF pressure
VentActual.Cor_AlaPt(57)	L	98	BV, 20098		Alarm Points	Sensor error Deicing temp
VentActual.Cor_AlaPt(58)	L	99	BV, 20099		Alarm Points	Sensor error Frost Protection temp
VentActual.Cor_AlaPt(59)	L	100	BV, 20100		Alarm Points	Sensor error CO_2
VentActual.Cor_AlaPt(60)	L	101	BV, 20101		Alarm Points	Sensor error Humidity room
VentActual.Cor_AlaPt(61)	L	102	BV, 20102		Alarm Points	Sensor error Humidity duct
VentActual.Cor_AlaPt(62)	L	103	BV, 20103		Alarm Points	Sensor error Extra unit temp
VentActual.Cor_AlaPt(63)	L	104	BV, 20104		Alarm Points	Sensor error External control SAF
VentActual.Cor_AlaPt(64)	L	105	BV, 20105		Alarm Points	Sensor error External control EAF
VentActual.Cor_AlaPt(65)	L	106	BV, 20106		Alarm Points	Sensor error SAF Pressure 2
VentActual.Cor_AlaPt(66)	L	107	BV, 20107		Alarm Points	Sensor error Humidity Outdoor
VentActual.Cor_AlaPt(67)	L	108	-		Alarm Points	Sensor error Reserved 1
VentActual.Cor_AlaPt(68)	L	109	-		Alarm Points	Sensor error Reserved 2
VentActual.Cor_AlaPt(69)	L	110	-		Alarm Points	Sensor error Reserved 3
VentActual.Cor_AlaPt(70)	L	111	-		Alarm Points	Sensor error Reserved 4
VentActual.Cor_AlaPt(71)	L	112	-		Alarm Points	Sensor error Reserved 5
VentActual.Cor_AlaPt(72)	L	113	-		Alarm Points	Sensor error Reserved 6
VentActual.Cor_AlaPt(73)	L	114	-		Alarm Points	Sensor error Reserved 7
VentActual.Cor_AlaPt(74)	L	115	-		Alarm Points	Sensor error Reserved 8
VentActual.Cor_AlaPt(75)	L	116	-		Alarm Points	Sensor error Reserved 9
VentActual.Cor_AlaPt(76)	L	117	-		Alarm Points	Sensor error Reserved 10
VentActual.Cor_AlaPt(77)	L	118	BV, 20118		Alarm Points	Alarm Frequency Converter SAF
VentActual.Cor_AlaPt(78)	L	119	BV, 20119		Alarm Points	Alarm Frequency Converter EAF

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentActual.Cor_AlaPt(79)	L	120	BV, 20120		Alarm Points	Communication error Frequency SAF
VentActual.Cor_AlaPt(80)	L	121	BV, 20121		Alarm Points	Communication error Frequency EAF
VentActual.Cor_AlaPt(81)	L	122	BV, 20122		Alarm Points	Communication error Expansion unit 1
VentActual.Cor_AlaPt(82)	L	123	BV, 20123		Alarm Points	Communication error Expansion unit 2
VentActual.Cor_AlaPt(83)	L	124	BV, 20124		Alarm Points	Warning Frequency Converter SAF
VentActual.Cor_AlaPt(84)	L	125	BV, 20125		Alarm Points	Warning Frequency Converter EAF
VentActual.Cor_AlaPt(85)	L	126	BV, 20126		Alarm Points	Output in manual mode
VentActual.Cor_AlaPt(86)	L	127	BV, 20127		Alarm Points	Time for service
VentActual.Cor_AlaPt(87)	L	128	BV, 20128		Alarm Points	Manual Y4-Extra Sequence control
VentActual.Cor_AlaPt(88)	L	129	BV, 20129		Alarm Points	Restart blocked after power-on
VentActual.Cor_DIReserved(2)	L	130	BV, 20130		Alarm Points	Not used
VentActual.Cor_DIReserved(3)	L	131	BV, 20131		Alarm Points	Not used
VentActual.Cor_DIReserved(4)	L	132	BV, 20132		Alarm Points	Not used
VentActual.Cor_DIReserved(5)	L	133	BV, 20133		Alarm Points	Not used
VentActual.Cor_DIReserved(6)	L	134	BV, 20134		Alarm Points	Not used
VentActual.Cor_DIReserved(7)	L	135	BV, 20135		Alarm Points	Not used
VentActual.Cor_DIReserved(8)	L	136	BV, 20136		Alarm Points	Not used
VentActual.Cor_DIReserved(9)	L	137	BV, 20137		Alarm Points	Not used
VentActual.Cor_DIReserved(10)	L	138	BV, 20138		Alarm Points	Not used
VentActual.Cor_DIReserved(11)	L	139	BV, 20139		Alarm Points	Not used
VentActual.Cor_DIReserved(12)	L	140	BV, 20140		Alarm Points	Not used
VentActual.Cor_DIReserved(13)	L	141	BV, 20141		Alarm Points	Not used
VentActual.Cor_DIReserved(14)	L	142	-		Alarm Points	Not used
VentActual.Cor_DIReserved(15)	L	143	-		Alarm Points	Not used
VentActual.Cor_DIReserved(16)	L	144	-		Alarm Points	Not used
InputOutput.Exp1DigIn1	L	145	-		Digital inputs	Value of DI1 Expansion unit 1
InputOutput.Exp1DigIn2	L	146	-		Digital inputs	Value of DI2

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						Expansion unit 1
InputOutput.Exp1DigIn3	L	147	-		Digital inputs	Value of DI3 Expansion unit 1
InputOutput.Exp1DigIn4	L	148	-		Digital inputs	Value of DI4 Expansion unit 1
InputOutput.Exp1DigIn5	L	149	-		Digital inputs	Value of DI5 Expansion unit 1
InputOutput.Exp1DigIn6	L	150	-		Digital inputs	Value of DI6 Expansion unit 1
InputOutput.Exp1DigIn7	L	151	-		Digital inputs	Value of DI7 Expansion unit 1
InputOutput.Exp1DigIn8	L	152	-		Digital inputs	Value of DI8 Expansion unit 1
InputOutput.Exp1DigIn9	L	153	-		Universal inputs	Value of UDI1 Expansion unit 1
InputOutput.Exp1DigIn10	L	154	-		Universal inputs	Value of UDI2 Expansion unit 1
InputOutput.Exp1DigIn11	L	155	-		Universal inputs	Value of UD3 Expansion unit 1
InputOutput.Exp1DigIn12	L	156	-		Universal inputs	Value of UD4 Expansion unit 1
InputOutput.Exp1DigOut1	L	157	-		Digital outputs	Value of DO1 Expansion unit 1
InputOutput.Exp1DigOut2	L	158	-		Digital outputs	Value of DO2 Expansion unit 1
InputOutput.Exp1DigOut3	L	159	-		Digital outputs	Value of DO3 Expansion unit 1
InputOutput.Exp1DigOut4	L	160	-		Digital outputs	Value of DO4 Expansion unit 1
InputOutput.Exp1DigOut5	L	161	-		Digital outputs	Value of DO5 Expansion unit 1
InputOutput.Exp1DigOut6	L	162	-		Digital outputs	Value of DO6 Expansion unit 1
InputOutput.Exp1DigOut7	L	163	-		Digital outputs	Value of DO7 Expansion unit 1
InputOutput.Exp2DigIn1	L	164	-		Digital inputs	Value of DI1 Expansion unit 2
InputOutput.Exp2DigIn2	L	165	-		Digital inputs	Value of DI2 Expansion unit 2
InputOutput.Exp2DigIn3	L	166	-		Digital inputs	Value of DI3

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
						Expansion unit 2
InputOutput.Exp2DigIn4	L	167	-		Digital inputs	Value of DI4 Expansion unit 2
InputOutput.Exp2DigIn5	L	168	-		Digital inputs	Value of DI5 Expansion unit 2
InputOutput.Exp2DigIn6	L	169	-		Digital inputs	Value of DI6 Expansion unit 2
InputOutput.Exp2DigIn7	L	170	-		Digital inputs	Value of DI7 Expansion unit 2
InputOutput.Exp2DigIn8	L	171	-		Digital inputs	Value of DI8 Expansion unit 2
InputOutput.Exp2DigIn9	L	172	-		Universal inputs	Value of UDI1 Expansion unit 2
InputOutput.Exp2DigIn10	L	173	-		Universal inputs	Value of UDI2 Expansion unit 2
InputOutput.Exp2DigIn11	L	174	-		Universal inputs	Value of UDI3 Expansion unit 2
InputOutput.Exp2DigIn12	L	175	-		Universal inputs	Value of UDI4 Expansion unit 2
InputOutput.Exp2DigOut1	L	176	-		Digital outputs	Value of DO1 Expansion unit 2
InputOutput.Exp2DigOut2	L	177	-		Digital outputs	Value of DO2 Expansion unit 2
InputOutput.Exp2DigOut3	L	178	-		Digital outputs	Value of DO3 Expansion unit 2
InputOutput.Exp2DigOut4	L	179	-		Digital outputs	Value of DO4 Expansion unit 2
InputOutput.Exp2DigOut5	L	180	-		Digital outputs	Value of DO5 Expansion unit 2
InputOutput.Exp2DigOut6	L	181	-		Digital outputs	Value of DO6 Expansion unit 2
InputOutput.Exp2DigOut7	L	182	-		Digital outputs	Value of DO7 Expansion unit 2
VentActual.Cor_RecycleRunActive	L	183	BV, 20183		Actual/Setpoint	Start signal Heat Pump
VentActual.Cor_SumAlarm	L	184	BV, 20184		Alarm Status	Sumalarm, is set if any A or B alarm
VentActual.Cor_SumAlarmA	L	185	BV, 20185		Alarm Status	A-alarm, is set if any A-alarm in controller
VentActual.Cor_SumAlarmB	L	186	BV, 20186		Alarm Status	B-alarm, is set if any B-alarm in controller

Variable name	Variable type	Modbus address	BACnet	Default value	Function	Description
VentActual.Cor_DIReserved(20)	L	187	-		Not used	Not used
VentActual.Cor_DIReserved(20)	L	188	-		Not used	Not used
VentActual.Cor_DIReserved(20)	L	189	-		Not used	Not used
VentActual.Cor_DIReserved(20)	L	190	-		Not used	Not used
VentActual.Cor_DIReserved(20)	L	191	-		Not used	Not used
VentActual.Cor_DIReserved(20)	L	192	-		Not used	Not used

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