Corrigo E Ventilation

List of network variables for EXOline and Modbus communication

Covers all versions of Corrigo E Ventilation from 3.1

Revision: 13
Date: 29 March 2012

REGIN

THE CHALLENGER IN BUILDING AUTOMATION

DISCLAIMER

The information in this manual has been carefully checked and is believed to be correct. Regin however, makes no warranties as regards the contents of this manual and users are requested to report errors, discrepancies or ambiguities to Regin, so that corrections may be made in future editions. The information in this document is subject to change without prior notification.

The software described in this document is supplied under licence by Regin and may be used or copied only in accordance with the terms of the licence. No part of this document may be reproduced or transmitted in any form, in any fashion, electronically or mechanically, without the express, written permission of Regin.

COPYRIGHT

TRADEMARKS

Corrigo E, E tool, EXOdesigner, EXOreal, EXOline, EXO4, EXO4 Web Server, Optigo, Regio and Regio tool are registered trademarks of AB Regin.

Windows, Windows 2000, Windows XP, and Windows Server 2003 are registered trademarks of Microsoft Corporation.

Some product names mentioned in this document are used for identification purposes only and may be the registered trademarks of their respective companies.

Revision 13, March 2012

Software revision: 3.1

Table of contents

Chapter 1 Corrigo E with EXOline and Modbus communication

Introduction

Corrigo E ventilation is a pre-programmed application for control of an air handling unit. The Corrigo E controller can either be used stand-alone or integrated in an existing EXO project, in both cases it is configured via the display or using the configuration tool E tool on a PC. This document describes all signals that are accessible via EXOline or Modbus. This document does not describe how to create an EXO 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.

EXOL type

The EXOL type of the signals:

R = Real (-3.3E38 - 3.3E38)

I = Integer (-32768 - 32767)

X = Index (0 - 255)

L = Logic (0/1)

Modbus type

The Modbus type of the signals (type 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

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 communicate with more than one Corrigo E 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 Corrigo E 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

Corrigo uses the same port for both Modbus communication and for EXOline communication. If you try to communicate with a Modbus-activated unit using E tool or other EXOline communication the input port will will automatically adapt itself after approx. 1 second. The port will remain in EXO-mode 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 (N on EXOmodules). 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 whare 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+ -----|---------- A (or B)

|

Rx+ ------|

Tx- -----|---------- B (or A)

|

Rx- ------|

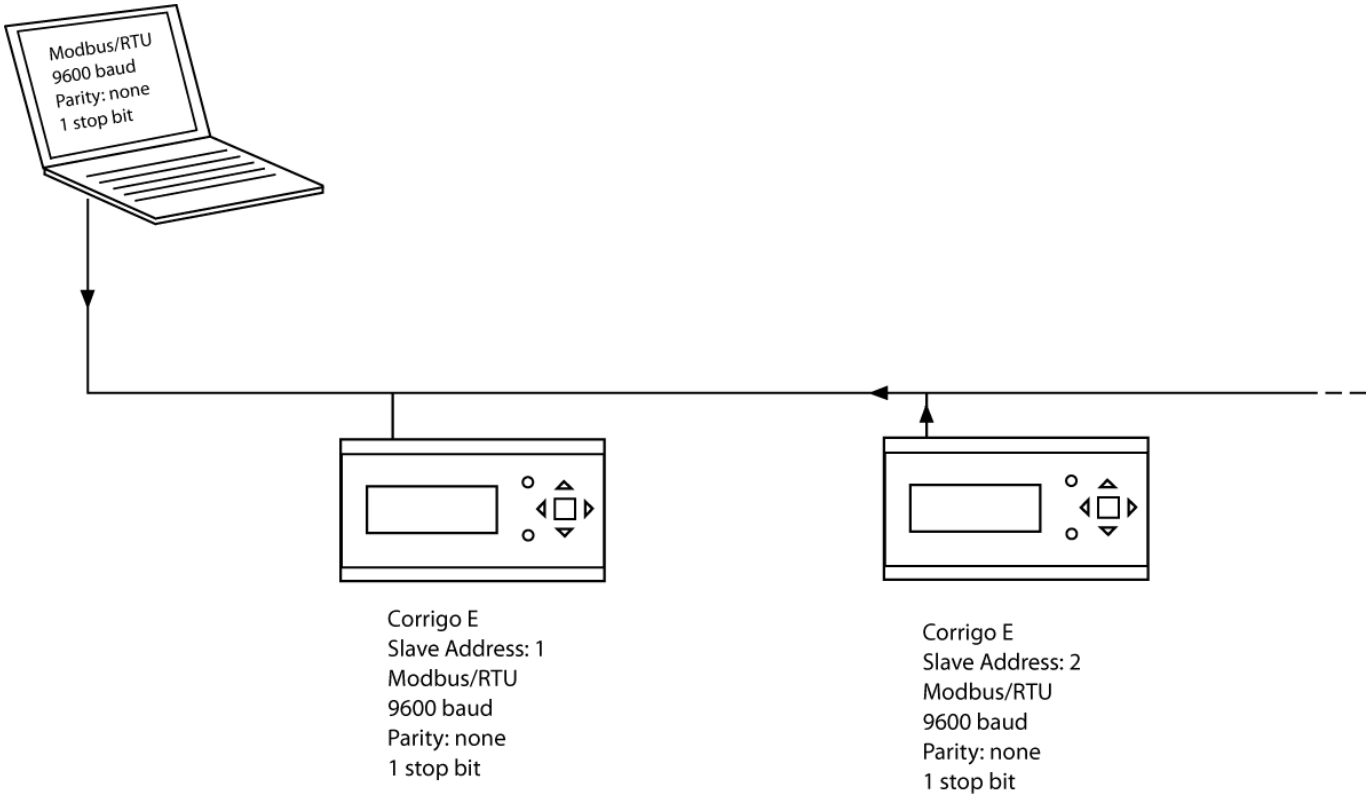
Bitrate, one stop bit, parity is the next layer.

These settings must correspond to the settings in the master unit. Find out how the master is set and then give the Corrigo E 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.

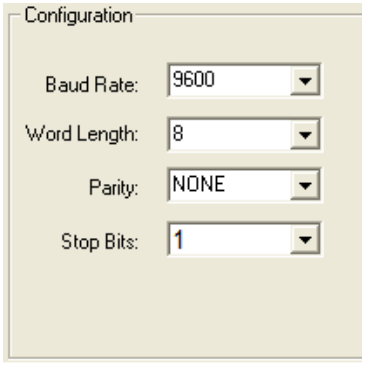


Chapter 2 System integration using Modbus

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.

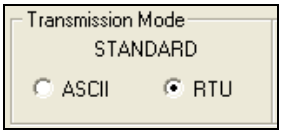
The default configuration values of a Corrigo E controller are shown in the figure below.



Corrigo E is by default set to Slave Address 1. If more units are added, a new Modbus address can be set for each unit using the Corrigo E display or E tool.

Transmission mode

Corrigo E 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.

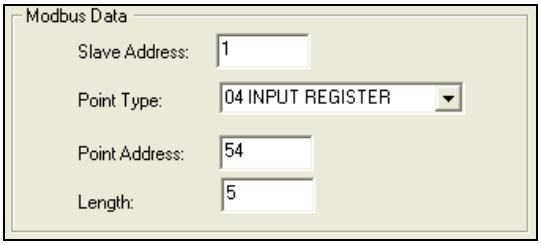


Writing values

To override the Corrigo E 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

Chapter 3 **Coil Status Register**

Signal name	EXOL type	Modbus address	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	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

Chapter 4 **Input Register**

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentActual.Cor_OutDoorTemp(0)	R	1		Actual/Setpoint	Outdoor temperature (read-only)
VentActual.Cor_Efficiency	R	2		Actual/Setpoint	Efficiency in % for exchanger
VentActual.Cor_RunMode	X	3		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		Actual/Setpoint	Running time (hour) supply air fan
VentActual.Cor_EAFRunTime	R	5		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		Supply,Extract and Room temperatures	Supply air temperature
VentActual.Cor_SupplyPID_SetP	R	8		Supply,Extract and Room temperatures	Calculated setpoint supply air temperature when outdoor compensated control function
VentActual.Cor_ExtractAirTemp	R	9		Supply,Extract and Room temperatures	Extract air temp
VentActual.Cor_RoomTemp1	R	10		Supply,Extract and Room temperatures	Room temperature 1
VentActual.Cor_RoomTemp2	R	11		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		SAF/EAF Pressure and Flow	Supply air fan pressure (Pa)
VentActual.Cor_EAFPressure	R	14		SAF/EAF Pressure and Flow	Extract air fan pressure (Pa)
VentActual.Cor_SAFAirFlow	R	15		SAF/EAF Pressure and Flow	Supply air fan flow (m3/h). Scale factor = 1
VentActual.Cor_EAFAirFlow	R	16		SAF/EAF Pressure and Flow	Extract air fan flow (m3/h) Scale factor = 1
VentActual.Cor_CO2Sensor	R	17		CO_2	CO_2 (ppm)

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentActual.Cor_DemandRunTime	I	18		CO_2	Number of minutes support run time CO_2
VentActual.Cor_FrostprotectionTemp	R	19		Frost protection	Frost protection temp
VentActual.Cor_ExhaustAirTemp	R	20		Extract air temp/De-icing exchanger	Exhaust air temp
VentActual.Cor_DeIcingTemp	R	21		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		Humidity	Humidity room
VentActual.Cor_HumidityDuct	R	24		Humidity	Humidity duct
VentActual.Cor_ExtraSensor	R	25		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 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:

Signal name	EXOL type	Modbus address	Default value	Function	Description
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 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)

Signal name	EXOL type	Modbus address	Default value	Function	Description
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 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

Signal name	EXOL type	Modbus address	Default value	Function	Description
					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 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

Signal name	EXOL type	Modbus address	Default value	Function	Description
					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 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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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		Supply, Extract and Room temperatures	Control signal heating Y1 (0-10 V)
VentActual.Cor_ExchCV1	R	120		Supply, Extract and Room temperatures	Control signal exchanger Y2 (0-10 V)
VentActual.Cor_CoolCV1	R	121		Supply, Extract and Room temperatures	Control signal cooler Y3 (0-10 V)
VentActual.Cor_SAF	R	122		SAF/EAF Pressure and Flow	Control signal supply air fan (0-10 V)
VentActual.Cor_EAF	R	123		SAF/EAF Pressure and Flow	Control signal extract air fan (0-10 V)
VentActual.Cor_Humidity	R	124		Humidity	Control signal humidity (0-10 V)

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentActual.Cor_Split	R	125		Supply, Extract and Room temperatures	Control signal split (0-10 V)
VentActual.Cor_SupplyPID_Output	R	126		Supply, Extract and Room temperatures	Supply controller output (0-100 %)
VentActual.Cor_ExhaustPID_Output	R	127		Supply, Extract and Room temperatures	Extract controller output (0-100 %)
VentActual.Cor_SAFPID_Output	R	128		SAF/EAF Pressure and Flow	SAF controller output (0-100 %)
VentActual.Cor_EAFPID_Output	R	129		SAF/EAF Pressure and Flow	EAF controller output (0-100 %)
VentActual.Cor_FrostPID_Output	R	130		Frost protection	Frost protection controller output if ventilation unit is stoped (0-100 %)
VentActual.Cor_CO2PID_Output	R	131		CO_2	CO_2 controller output (0-100 %)
VentActual.Cor_RoomPID_Output	R	132		Supply, Extract and Room temperatures	Room controller output (0-100 %)
VentActual.Cor_DeIcePID_Output	R	133		Extract air temp/De-icing exchanger	De-icing controller output (0-100 %)
VentActual.Cor_HumidityPID_Output	R	134		Humidity	Humidity controller output (0-100 %)
VentActual.Cor_RoomTemp	R	135		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
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		Extra Unit	Extra Unit temp
VentActual.Cor_ExtSAFControl	R	151		SAF/EAF Pressure and Flow	External SAF signal control (%)
VentActual.Cor_ExtEAFControl	R	152		SAF/EAF Pressure and Flow	External EAF signal control (%)
VentActual. Cor_SAFPressure2	R	153		SAF/EAF Pressure and Flow	Pressure transmitter 2 supply air (Pa)

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentActual.Cor_SAFAirFlow2	R	154		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		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 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

Signal name	EXOL type	Modbus address	Default value	Function	Description
					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 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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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: (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)

Signal name	EXOL type	Modbus address	Default value	Function	Description
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 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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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) 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 17 = RecycleAirDamper 18 = FreshAirDamper 19 = ExtractAirDamper 20 = HeatingIncrease 21 = HeatingDecrease

Signal name	EXOL type	Modbus address	Default value	Function	Description
					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)
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)

Signal name	EXOL type	Modbus address	Default value	Function	Description
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		Extra Unit	Control signal Extra Unit (0-10 V)
VentActual.Cor_ExtraUnitPID1_Output(0)	R	281		Extra Unit	Extra Unit controller output (0-100 %)
VentActual.Cor_HeatCoolCV1	R	282		Supply, Extract and Room temperatures	Control signal Heating or Cooling controlled by changeover (0-10 V)
VentActual.Cor_ExtraSeqCV1	R	283		Supply, Extract and Room temperatures	Control signal extra sequence Y4 (0-10 V)
VentActual.Cor_UnitRunMode	X	284		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		Actual/Setpoint	Intake air temperature
VentActual.Cor_ExtraSensor2	R	287		Actual/Setpoint	Extrasensor 2 temperature
VentActual.Cor_ExtraSensor3	R	288		Actual/Setpoint	Extrasensor 3 temperature
VentActual.Cor_ExtraSensor4	R	289		Actual/Setpoint	Extrasensor 4 temperature
VentActual.Cor_ExtraSensor5	R	290		Actual/Setpoint	Extrasensor 5 temperature
VentActual.Cor_ExtraSAFPressure	R	291		SAF/EAF Pressure and Flow	Extrasensor SAF Pressure
VentActual.Cor_ExtraEAFPressure	R	292		SAF/EAF Pressure and Flow	Extrasensor EAF Pressure
VentActual.Cor_ExtraSAFAirFlow	R	293		SAF/EAF Pressure and Flow	Extrasensor SAF Flow
VentActual.Cor_ExtraEAFAirFlow	R	294		SAF/EAF Pressure and Flow	Extrasensor EAF Flow

Chapter 5 **Holding Register**

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentSettings.Cor_SupplySetpoint	R	1	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 and Room temperatures	Setpoint for fifth curvepoint 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	21°C	Supply, Extract and Room temperatures	Setpoint extract air temp if extract air temp control function
VentSettings.Cor_RoomSetP	R	19	21°C	Supply, Extract and Room temperatures	Room setpoint if room temp control function

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentSettings.Cor_NeedHeatStart	R	20	15°C	Supply, Extract and Room temperatures	Room temp for start the unit if intermittent heating control is active
VentSettings.Cor_NeedHeatStop	R	21	21°C	Supply, Extract and Room temperatures	Room temp for stop the unit if intermittent heating control is active
VentSettings.Cor_NeedCoolStart	R	22	30°C	Supply, Extract and Room temperatures	Room temp for start the unit if intermittent cooling control is active
VentSettings.Cor_NeedCoolStop	R	23	28°C	Supply, Extract and Room temperatures	Room temp for stop the unit if intermittent cooling control is active
VentSettings.Cor_SAFFullspeedPressure	R	24	500 Pa	SAF/EAF Pressure and Flow	Setpoint full speed supply air fan pressure
VentSettings.Cor_SAFHalfspeedPressure	R	25	250 Pa	SAF/EAF Pressure and Flow	Setpoint reduced speed supply air fan pressure
VentSettings.Cor_EAFFullspeedPressure	R	26	500 Pa	SAF/EAF Pressure and Flow	Setpoint full speed extract air fan pressure
VentSettings.Cor_EAFHalfspeedPressure	R	27	250 Pa	SAF/EAF Pressure and Flow	Setpoint reduced speed extract air fan pressure
VentSettings.Cor_SAFFullspeedAirFlow	R	28	2000 m^3/h	SAF/EAF Pressure and Flow	Setpoint full speed supply air fan flow. Scale factor = 1
VentSettings.Cor_SAFHalfspeedAirFlow	R	29	1000 m^3/h	SAF/EAF Pressure and Flow	Setpoint reduced speed supply air fan flow. Scale factor = 1
VentSettings.Cor_EAFFullspeedAirFlow	R	30	2000 m^3/h	SAF/EAF Pressure and Flow	Setpoint full speed extract air fan flow. Scale factor = 1
VentSettings.Cor_EAFHalfspeedAirFlow	R	31	1000 m3/h	SAF/EAF Pressure and Flow	Setpoint reduced speed extract air fan flow. Scale factor = 1
VentSettings.Cor_CO2Setpoint	R	32	1000 ppm	CO_2	Setpoint CO_2
VentSettings.Cor_FrostProtSPStop	R	33	25°C	Frost protection	Setpoint frost protection if the ventilation unit is stoped
VentSettings.Cor_FrostProtPGain	R	34	5°C	Frost protection	P-Gain frost protection when running (alarm limit+PGain)
VentSettings.Cor_DeIcingSetpoint	R	35	-3°C	Extract air temp/De-icing exchanger	Setpoint de-icing temp
VentSettings.Cor_DeIcingHyst	R	36	1°C	Extract air temp/De-icing exchanger	Hysteresis for stop of de-icing
VentSettings.Cor_HumiditySetpoint	R	37	50 % RH	Humidity	Setpoint humidity room
VentSettings.Cor_HumidityMaxDuct	R	38	80 % RH	Humidity	Max limit humidity duct
VentSettings.Cor_HumidityHyst	R	39	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	Start time period 2 Monday normal

Signal name	EXOL type	Modbus address	Default value	Function	Description
				Speed	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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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
TimeDp.Posts(11).T4	R	87	0	Timer Reduced	Stop time period 2 Thursday red. speed

Signal name	EXOL type	Modbus address	Default value	Function	Description
				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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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
TimeDp.Posts(36).T4	R	187	0	Timer Output 3	Stop time period 2 Friday timer output 3

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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)

Signal name	EXOL type	Modbus address	Default value	Function	Description
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)
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)
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)

Signal name	EXOL type	Modbus address	Default value	Function	Description
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)
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
VentSettings.Cor_SAFPID_ITime	R	327	60 s	Settings, Control Flow	I-time flow control SAF
VentSettings.Cor_EAFAirFlowPID	R	328	1000	Settings, Control	P-band flow control EAF

Signal name	EXOL type	Modbus address	Default value	Function	Description
_PGain			m^3/h	Flow	
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	10°C	Settings, Alarm Limits	Max control deviation supply air temp
VentSettings.Cor_SupplyHighAlarmLimit	R	333	30°C	Settings, Alarm Limits	High alarm limit supply air temp
VentSettings.Cor_SupplyLowAlarmLimit	R	334	10°C	Settings, Alarm Limits	Low alarm limit supply air temp
VentSettings.Cor_ExhaustAirTempHigh	R	335	30°C	Settings, Alarm Limits	High alarm limit extract air temp
VentSettings.Cor_ExhaustAirTempLow	R	336	10°C	Settings, Alarm Limits	Low alarm limit extract air temp
VentSettings.Cor_RoomHighLimit	R	337	30°C	Settings, Alarm Limits	High alarm limit room air temp
VentSettings.Cor_RoomLowLimit	R	338	10°C	Settings, Alarm Limits	Low alarm limit room air temp
VentSettings.Cor_FrostLimit	R	339	7°C	Settings, Alarm Limits	Alarm limit frost protection
VentSettings.Cor_SAFMaxDiffPressure	R	340	50 Pa	Settings, Alarm Limits	Max control deviation pressure SAF
VentSettings.Cor_EAFMaxDiffPressure	R	341	50 Pa	Settings, Alarm Limits	Max control deviation pressure EAF
VentSettings.Cor_EfficiencyLowLimit	R	342	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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
AlaData.AlaPt29_DelayValue	I	367	20 s	Settings, Alarm Delays	Alarm delay rotation guard exchanger
VentSettings.Cor_AirUnitAutoMode	X	368	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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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 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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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: 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		Actual/Setpoint	Outdoor temperature (Can be modified if it's not connected to a physic analogue input).
TimePro. TimeGroupStatusFanFullSpeed	X	393	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	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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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	4	Manual/Auto	Manual/Auto Timer output 5
Alarms.AlaAcknow	X	400	255	Alarm Acknowledging, Blocking and Unblocking	External alarm acknowledge by setting this signal to the alarm number that should be 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	30°C	Supply,Extract and Room temperatures	Max limit of supply setpoint when cascade control
VentSettings.Cor_SupplySetpointMin	R	405	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
VentSettings.Cor_Comp2Temp	R	417	10	SAF/EAF Pressure	Outdoor temp breakpoint 2 (must be

Signal name	EXOL type	Modbus address	Default value	Function	Description
				and Flow	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	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
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

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentSettings.Cor_ExtraUnitPID1_ManSet(0)	R	438	0	Manual/Auto	Extra Unit Controller output if manual mode
VentSettings.Cor_RecycleSetP	R	439	18°C	Recirculation	Recirculation setpoint
VentSettings.Cor_RecycleMaxRoomTemp	R	440	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	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 Flow	K-constant for counting air flow EAF 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	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

Signal name	EXOL type	Modbus address	Default value	Function	Description
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
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

Chapter 6 **Input Status Register**

Signal name	EXOL type	Modbus address	Default value	Function	Description
TimePro.TimeGroupFanFullSpeed	L	1		Actual/Setpoint	Is set if timechannel full speed is active
TimePro.TimeGroupFanHalfSpeed	L	2		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		Actual/Setpoint	Is set if extended operation full speed
VentActual.Cor_ExtendedRunActiveHalf	L	9		Actual/Setpoint	Is set if extended operation half speed
VentActual.Cor_NeedHeatActive	L	10		Supply,Extract and Room temperatures	Is set if ongoing support heating
VentActual. Cor_NeedCoolActive	L	11		Supply,Extract and Room temperatures	Is set if ongoing support cooling
VentActual.Cor_DemandCO2Active	L	12		CO_2	Is set if ongoing support CO_2
VentActual.Cor_DeIcingActive	L	13		Extract air temp/De-icing exchanger	Is set if ongoing de-icing
QDig.DI1	L	14		Digital inputs	Value of DI1
QDig.DI2	L	15		Digital inputs	Value of DI2
QDig.DI3	L	16		Digital inputs	Value of DI3
QDig.DI4	L	17		Digital inputs	Value of DI4
QDig.DI5	L	18		Digital inputs	Value of DI5
QDig.DI6	L	19		Digital inputs	Value of DI6
QDig.DI7	L	20		Digital inputs	Value of DI7
QDig.DI8	L	21		Digital inputs	Value of DI8
QDig.DI9	L	22		Universal inputs	Value of UDI1
QDig.DI10	L	23		Universal inputs	Value of UDI2
QDig.DI11	L	24		Universal inputs	Value of UDI3

Signal name	EXOL type	Modbus address	Default value	Function	Description
QDig.DI12	L	25		Universal inputs	Value of UDI4
QDig.Dq1	L	26		Digital outputs	Value of DO1
QDig.Dq2	L	27		Digital outputs	Value of DO2
QDig.Dq3	L	28		Digital outputs	Value of DO3
QDig.Dq4	L	29		Digital outputs	Value of DO4
QDig.Dq5	L	30		Digital outputs	Value of DO5
QDig.Dq6	L	31		Digital outputs	Value of DO6
QDig.Dq7	L	32		Digital outputs	Value of DO7
VentActual.Cor_AlaPt(1)	L	33		Alarm Points	Run Error Supply Air Fan 0=No alarm 1=Alarm
VentActual.Cor_AlaPt(2)	L	34		Alarm Points	Run Error Extract Air Fan
VentActual.Cor_AlaPt(3)	L	35		Alarm Points	Run Error P1-Heater
VentActual.Cor_AlaPt(4)	L	36		Alarm Points	Run Error P1-Cooler
VentActual.Cor_AlaPt(5)	L	37		Alarm Points	Run Error P1-Exchanger
VentActual.Cor_AlaPt(6)	L	38		Alarm Points	Filter guard
VentActual.Cor_AlaPt(7)	L	39		Alarm Points	Flow guard
VentActual.Cor_AlaPt(8)	L	40		Alarm Points	External frost guard
VentActual.Cor_AlaPt(9)	L	41		Alarm Points	Deicing pressure guard
VentActual.Cor_AlaPt(10)	L	42		Alarm Points	Fire alarm
VentActual.Cor_AlaPt(11)	L	43		Alarm Points	External switch
VentActual.Cor_AlaPt(12)	L	44		Alarm Points	External alarm
VentActual.Cor_AlaPt(13)	L	45		Alarm Points	Supply Air control error
VentActual.Cor_AlaPt(14)	L	46		Alarm Points	Deviation Humidity control
VentActual.Cor_AlaPt(15)	L	47		Alarm Points	High supply air temp
VentActual.Cor_AlaPt(16)	L	48		Alarm Points	Low supply air temp
VentActual.Cor_AlaPt(17)	L	49		Alarm Points	Supply Air Fan max limit
VentActual.Cor_AlaPt(18)	L	50		Alarm Points	Supply Air Fan min limit
VentActual.Cor_AlaPt(19)	L	51		Alarm Points	High room temp
VentActual.Cor_AlaPt(20)	L	52		Alarm Points	Low room temp
VentActual.Cor_AlaPt(21)	L	53		Alarm Points	High extract air temp
VentActual.Cor_AlaPt(22)	L	54		Alarm Points	Low extract air temp
VentActual.Cor_AlaPt(23)	L	55		Alarm Points	Electric heating is overheated
VentActual.Cor_AlaPt(24)	L	56		Alarm Points	Frost risk
VentActual.Cor_AlaPt(25)	L	57		Alarm Points	Low frost guard temp
VentActual.Cor_AlaPt(26)	L	58		Alarm Points	Low efficiency
VentActual.Cor_AlaPt(27)	L	59		Alarm Points	Sensor error outdoor temp

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentActual.Cor_AlaPt(28)	L	60		Alarm Points	Analogue deicing
VentActual.Cor_AlaPt(29)	L	61		Alarm Points	Rotation guard exchanger
VentActual.Cor_AlaPt(30)	L	62		Alarm Points	Fire damper is out of operation
VentActual.Cor_AlaPt(31)	L	63		Alarm Points	Supply Air Fan control error
VentActual.Cor_AlaPt(32)	L	64		Alarm Points	Extract Air Fan control error
VentActual.Cor_AlaPt(33)	L	65		Alarm Points	Supply Air Fan external operation
VentActual.Cor_AlaPt(34)	L	66		Alarm Points	Extract Air Fan external operation
VentActual.Cor_AlaPt(35)	L	67		Alarm Points	Ventilation Manual mode
VentActual.Cor_AlaPt(36)	L	68		Alarm Points	Manual supply air control
VentActual.Cor_AlaPt(37)	L	69		Alarm Points	Manual Supply Air Fan mode
VentActual.Cor_AlaPt(38)	L	70		Alarm Points	Manual Supply Air Fan freq control
VentActual.Cor_AlaPt(39)	L	71		Alarm Points	Manual Extract Air Fan mode
VentActual.Cor_AlaPt(40)	L	72		Alarm Points	Manual Extract Air Fan freq control
VentActual.Cor_AlaPt(41)	L	73		Alarm Points	Manual heater control
VentActual.Cor_AlaPt(42)	L	74		Alarm Points	Manual cooler control
VentActual.Cor_AlaPt(43)	L	75		Alarm Points	Manual exchanger control
VentActual.Cor_AlaPt(44)	L	76		Alarm Points	Manual P1-Heater
VentActual.Cor_AlaPt(45)	L	77		Alarm Points	Manual P1-Cooler
VentActual.Cor_AlaPt(46)	L	78		Alarm Points	Manual P1-Exchanger
VentActual.Cor_AlaPt(47)	L	79		Alarm Points	Manual fire damper
VentActual.Cor_AlaPt(48)	L	80		Alarm Points	Internal battery error
VentActual.Cor_SAFStart1(0)	L	81		SAF/EAF Pressure and Flow	Start signal full speed supply air fan
VentActual.Cor_EAFStart1	L	82		SAF/EAF Pressure and Flow	Start signal full speed extract air fan
VentActual.Cor_SAFStart2	L	83		SAF/EAF Pressure and Flow	Start signal half speed supply air fan
VentActual.Cor_EAFStart2	L	84		SAF/EAF Pressure and Flow	Start signal half speed extract air fan
VentActual.Cor_HeatPumpStart(0)	L	85		Actual/Setpoint	Start signal Heat Pump
VentActual.Cor_ExchPumpStart	L	86		Actual/Setpoint	Start signal Exchanger
VentActual.Cor_CoolPumpStart	L	87		Actual/Setpoint	Start signal Cool Pump
VentActual.Cor_SAFFrequencyStart	L	88		SAF/EAF Pressure and Flow	Start signal frequencer supply air fan
VentActual.Cor_EAFFrequencyStart	L	89		SAF/EAF Pressure and Flow	Start signal frequencer extract air fan
VentActual.Cor_AlaPt(49)	L	90		Alarm Points	Sensor error Supply Air temp
VentActual.Cor_AlaPt(50)	L	91		Alarm Points	Sensor error Extract Air temp
VentActual.Cor_AlaPt(51)	L	92		Alarm Points	Sensor error Room temp 1

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentActual.Cor_AlaPt(52)	L	93		Alarm Points	Sensor error Room temp 2
VentActual.Cor_AlaPt(53)	L	94		Alarm Points	Sensor error Extract Air temp
VentActual.Cor_AlaPt(54)	L	95		Alarm Points	Sensor error Extra sensor
VentActual.Cor_AlaPt(55)	L	96		Alarm Points	Sensor error SAF pressure
VentActual.Cor_AlaPt(56)	L	97		Alarm Points	Sensor error EAF pressure
VentActual.Cor_AlaPt(57)	L	98		Alarm Points	Sensor error Deicing temp
VentActual.Cor_AlaPt(58)	L	99		Alarm Points	Sensor error Frost Protection temp
VentActual.Cor_AlaPt(59)	L	100		Alarm Points	Sensor error CO_2
VentActual.Cor_AlaPt(60)	L	101		Alarm Points	Sensor error Humidity room
VentActual.Cor_AlaPt(61)	L	102		Alarm Points	Sensor error Humidity duct
VentActual.Cor_AlaPt(62)	L	103		Alarm Points	Sensor error Extra unit temp
VentActual.Cor_AlaPt(63)	L	104		Alarm Points	Sensor error External control SAF
VentActual.Cor_AlaPt(64)	L	105		Alarm Points	Sensor error External control EAF
VentActual.Cor_AlaPt(65)	L	106		Alarm Points	Sensor error SAF Pressure 2
VentActual.Cor_AlaPt(66)	L	107		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		Alarm Points	Alarm Frequency Converter SAF
VentActual.Cor_AlaPt(78)	L	119		Alarm Points	Alarm Frequency Converter EAF
VentActual.Cor_AlaPt(79)	L	120		Alarm Points	Communication error Frequency SAF
VentActual.Cor_AlaPt(80)	L	121		Alarm Points	Communication error Frequency EAF
VentActual.Cor_AlaPt(81)	L	122		Alarm Points	Communication error Expansion unit 1
VentActual.Cor_AlaPt(82)	L	123		Alarm Points	Communication error Expansion unit 2
VentActual.Cor_AlaPt(83)	L	124		Alarm Points	Warning Frequency Converter SAF
VentActual.Cor_AlaPt(84)	L	125		Alarm Points	Warning Frequency Converter EAF
VentActual.Cor_AlaPt(85)	L	126		Alarm Points	Output in manual mode
VentActual.Cor_AlaPt(86)	L	127		Alarm Points	Time for service
VentActual.Cor_AlaPt(87)	L	128		Alarm Points	Manual Y4-Extra Sequence control
VentActual.Cor_AlaPt(88)	L	129		Alarm Points	Restart blocked after power-on

Signal name	EXOL type	Modbus address	Default value	Function	Description
VentActual.Cor_DIReserved(2)	L	130		Alarm Points	Not used
VentActual.Cor_DIReserved(3)	L	131		Alarm Points	Not used
VentActual.Cor_DIReserved(4)	L	132		Alarm Points	Not used
VentActual.Cor_DIReserved(5)	L	133		Alarm Points	Not used
VentActual.Cor_DIReserved(6)	L	134		Alarm Points	Not used
VentActual.Cor_DIReserved(7)	L	135		Alarm Points	Not used
VentActual.Cor_DIReserved(8)	L	136		Alarm Points	Not used
VentActual.Cor_DIReserved(9)	L	137		Alarm Points	Not used
VentActual.Cor_DIReserved(10)	L	138		Alarm Points	Not used
VentActual.Cor_DIReserved(11)	L	139		Alarm Points	Not used
VentActual.Cor_DIReserved(12)	L	140		Alarm Points	Not used
VentActual.Cor_DIReserved(13)	L	141		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 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 Expansion unit 2

Signal name	EXOL type	Modbus address	Default value	Function	Description
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		Actual/Setpoint	Start signal Heat Pump
VentActual.Cor_SumAlarm	L	184		Alarm Status	Sumalarm, is set if any A or B alarm
VentActual.Cor_SumAlarmA	L	185		Alarm Status	A-alarm, is set if any A-alarm in controller
VentActual.Cor_SumAlarmB	L	186		Alarm Status	B-alarm, is set if any B-alarm in controller
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

AB Regin

Head office

Box 116, S-428 22 Kållered,
Sweden

Phone: +46 31 720 02 00
Fax: +46 31 720 02 50

info@regin.se
www.regin.se

Germany

RICCIUS + SOHN GmbH

Haynauer Str. 49
D-12249 Berlin

Phone: +49 30 77 99 40
info@riccius-sohn.eu
www.regincontrols.de

France

Regin Controls SARL

32 rue Delizy
F-93500 Pantin

Phone: +33 1 41 71 00 34
info@regin.fr
www.regin.fr

Spain

Regin Controls Ibérica, S.A.

C/Arganda 18 local
E-28005 Madrid

Phone: +34 91 826 54 06
info@regin.es
www.reginiberica.com

Singapore

Regin Controls Asia Pacific Pte Ltd

66 Tannery Lane
03-04 Sindo Building
Singapore 347805

Phone: +65 6747 8233
info@regin.com.sg
www.regin.com.sg

Hong Kong

Regin Controls Hong Kong Ltd

Room 2901
EW International Tower
120 Texaco Road
Tsuen Wan, NT
Hong Kong

Phone: +852 2407 0281
info@regin.com.hk
www.regin.com.hk