

Modbus RTU/TCP

GOLD sizes 04-80, program version 1.05 and newer versions.

Overview

ModBus can access single addresses or multiple addresses simultaneously; either reading or writing single bit values or 16-bit values.

A ModBus address contains either a 1-bit discrete value or a 16-bit integer value.

ModBus data format

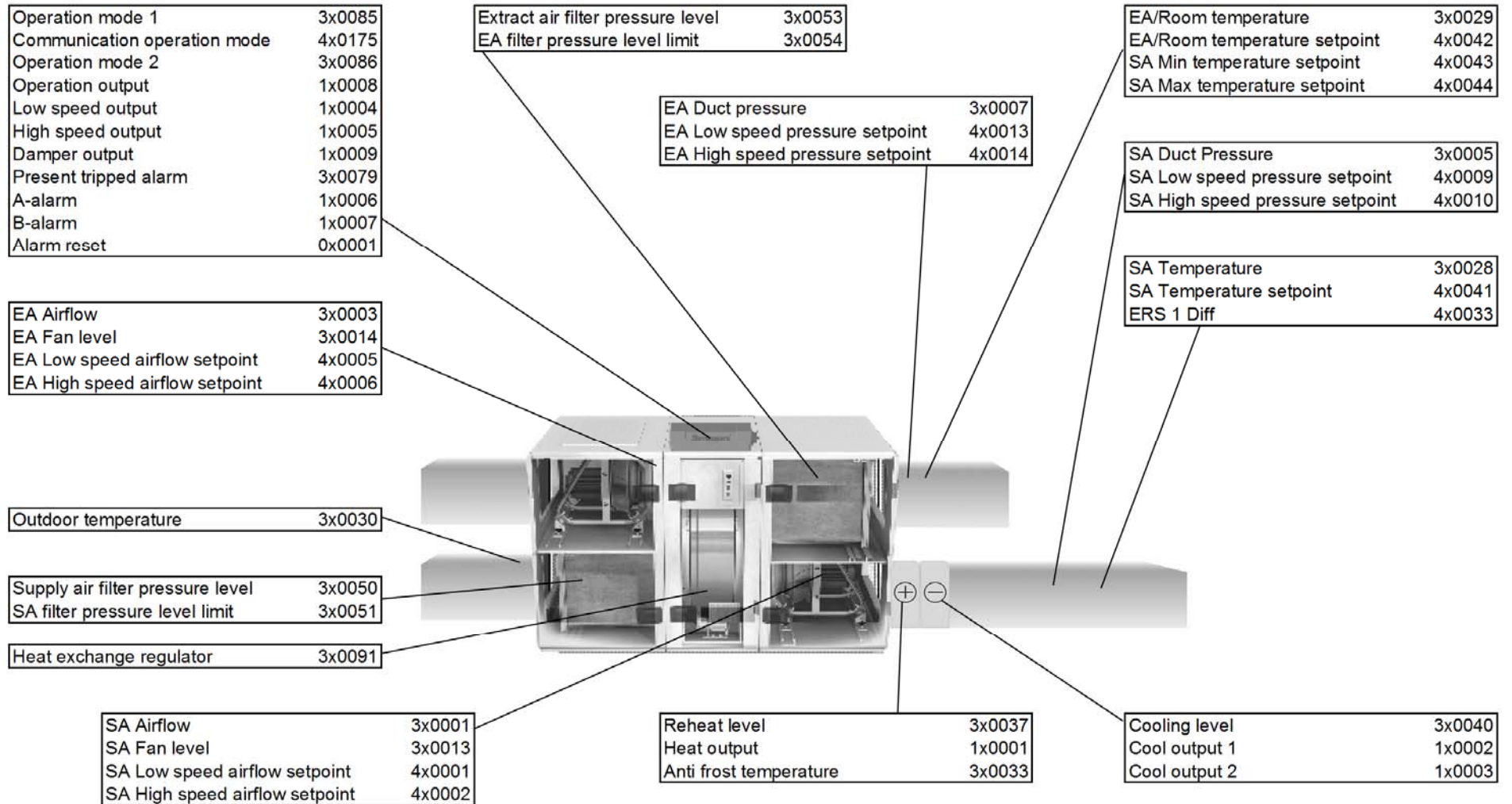
ModBus data types are 1-bit values and 16-bit values.

ModBus Type	Description	Reference
Coil Status	Discrete Output	0x
Input Status	Discrete Input	1x
Holding Register	16-bit Output Register	4x
Input Register	16-bit Input Register	3x

Supported ModBus commands

The GOLD air handling unit supports these ModBus commands.

Function code	Description
01	Read Coil Status
02	Read Input Status
03	Read Holding Registers
04	Read Input Registers
05	Force Single Coil
06	Present Single Registers
08	Diagnostics.Sub-funktion 00 Only - Return Query Data (loop back).
15	Force Multiple Coils
16	Preset Multiple Registers



Coil Status. 1bit (R/W).

Modbus	Name	Min/Max	Misc
0x0001	Alarm reset Resets tripped alarms.	0-1	
0x0002	SA Boosting func. Setting for activating the boost function for the supply air fan.	0-1	
0x0003	EA Boosting func. Setting for activating the boost function for the extract air fan.	0-1	
0x0004	R.HX. Defrost func. Setting for activating the defrost function for the rotary heat exchanger.	0-1	
0x0005	SA Down regulation func. Setting for activating the down regulation function for the supply air fan. (Moved to 4x0207 in PV 3.00)	0-1	PV 3.00
0x0006	Reserve		
0x0007	Reserve		
0x0008	Cool operation mode Setting for cooling between off and auto operation.	0-1	
0x0009	Int. Night heat func. Setting for activating the intermittent night heat function.	0-1	
0x0010	Damper func. Setting for activating the damper output relay during int. night heat.	0-1	
0x0011	Summer night cooling Setting for activating the summer night cool function.	0-1	
0x0012	Temp displacement Setting for activating the external temperature displacement function.	0-1	
0x0013	Outdoor temp compensation Setting for activating the outdoor temperature compensation function.	0-1	
0x0014	Outdoor airflow compensation Setting for activating the outdoor airflow compensation function.	0-1	
0x0015	Auto. Summer/winter switch Setting for activating the automatic switch between summer/winter time function.	0-1	
0x0016	Switch clock func. Setting for switch clock function type. 0=Stop - low speed - high speed. 1=Low speed - high speed.	0-1	
0x0017	Internal fire alarm func. Setting for activating the internal fire alarm function.	0-1	
0x0018	EA at fire Setting for activating the extract air fan operation at fire function. (Moved to 4x0206 in PV 3.00)	0-1	PV 3.00
0x0019	External alarm 1 active at closure Setting for external alarm number 1 condition to be activated. 0=Alarm at closed input. 1=Alarm at open input.	0-1	
0x0020	External alarm 2 active at closure	0-1	

Coil Status. 1bit (R/W).

Modbus	Name	Min/Max	Misc
	Setting for external alarm number 2 condition to be activated. 0=Alarm at closed input. 1=Alarm at open input.		
0x0021	Reserve		
0x0022	Dewpoint reg. func.	0-1	
	Setting for activating the dewpoint regulator funktion.		
0x0023	Dehumid reg. func.	0-1	
	Setting for activating the dehumid regulator funktion.		
0x0024	External fire alarm func.	0-1	PV 3.00
	Setting for external fire resetting function. 0=Manual. 1=Automatic.		
0x0025	External alarm 1 func.	0-1	PV 3.00
	Setting for external alarm 1 resetting function. 0=Manual. 1=Automatic.		
0x0026	External alarm 2 func.	0-1	PV 3.00
	Setting for external alarm 2 resetting function. 0=Manual. 1=Automatic.		
0x0027	Temperature alarm func.	0-1	PV 3.00
	Setting for activating temperature below setpoint alarm function (no.80).		
0x0028	Int. Night heat output func.	0-1	PV 5.00
	Setting for selecting the intermittent night heat output function. 0=IQnomic 1=IQnomic+		
0x0029	AYC heat out comp. func.	0-1	PV 5.07
	Setting for selecting the AYC outdoor comp. heated water function. 0=Inactive 1=Active		
0x0030	AYC heat room comp. func.	0-1	PV 5.07
	Setting for selecting the AYC room comp. heated water function. 0=Inactive 1=Active		
0x0031	AYC heat room comp. night block func.	0-1	PV 5.07
	Setting for selecting the AYC room comp. heated water night block function. 0=Inactive 1=Active		
0x0032	AYC heat night comp. func.	0-1	PV 5.07
	Setting for selecting the AYC night comp. heated water function. 0=Inactive 1=Active		
0x0033	AYC heat valve signal func.	0-1	PV 5.07
	Setting for selecting the AYC valve signal heated water alarm function. 0=Inactive 1=Active		

Coil Status. 1bit (R/W).

Modbus	Name	Min/Max	Misc
0x0034	AYC cool out comp. func.	0-1	PV 5.07
	Setting for selecting the AYC outdoor comp. chilled water function. 0=Inactive 1=Active		
0x0035	AYC cool room comp. func.	0-1	PV 5.07
	Setting for selecting the AYC room comp. chilled water function. 0=Inactive 1=Active		
0x0036	AYC cool room comp. night block func.	0-1	PV 5.07
	Setting for selecting the AYC room comp. chilled water night block function. 0=Inactive 1=Active		
0x0037	AYC cool night comp. func.	0-1	PV 5.07
	Setting for selecting the AYC night comp. chilled water function. 0=Inactive 1=Active		
0x0038	AYC cool valve signal func.	0-1	PV 5.07
	Setting for selecting the AYC valve signal chilled water alarm function. 0=Inactive 1=Active		

Input Status. 1bit (RO).

Modbus	Name	Min/Max	Misc
1x0001	Heat output	0-1	
	Status for relay output.		
1x0002	Cool output 1	0-1	
	Status for relay output.		
1x0003	Cool output 2	0-1	
	Status for relay output.		
1x0004	Low speed output	0-1	
	Status for relay output.		
1x0005	High speed output	0-1	
	Status for relay output.		
1x0006	A-alarm.	0-1	
	Status for relay output.		
1x0007	B-alarm.	0-1	
	Status for relay output.		
1x0008	Operation output	0-1	
	Status for relay output.		
1x0009	Damper output	0-1	
	Status for relay output.		
1x0010	External low speed input	0-1	
	Status for digital input.		
1x0011	External high speed input	0-1	
	Status for digital input.		
1x0012	External alarm 1 input	0-1	
	Status for digital input.		
1x0013	External alarm 2 input	0-1	
	Status for digital input.		
1x0014	External fire alarm input.	0-1	
	Status for digital input.		
1x0015	External stop input	0-1	
	Status for digital input.		
1x0016	DIP Switch 1	0-1	
	Status for dip switch setting.		
1x0017	DIP Switch 2	0-1	
	Status for dip switch setting.		
1x0018	DIP Switch 3	0-1	
	Status for dip switch setting.		
1x0019	DIP Switch 4	0-1	
	Status for dip switch setting.		
1x0020	DIP Switch 5	0-1	
	Status for dip switch setting.		
1x0021	DIP Switch 6	0-1	
	Status for dip switch setting.		
1x0022	AYC heat pump output	0-1	PV 5.07
	Status for AYC heat pump output.		
1x0023	AYC cool pump output	0-1	PV 5.07
	Status for AYC cool pump output.		
1x0024	C.HX. pump output	0-1	PV 2.00
	Status for coil heat exchanger pump output.		
1x0025	R.HX rotation monitor	0-1	PV 3.00
	Status from the rotation detector.		
1x0026	Xzone heat output	0-1	PV 5.00
	Status for relay output.		
1x0027	Xzone cool output 1	0-1	PV 5.00
	Status for relay output.		
1x0028	Xzone cool output 2	0-1	PV 5.00

Input Status. 1bit (RO).

Modbus	Name	Min/Max	Misc
	Status for relay output.		
1x0029	Pre-heat output	0-1	PV 5.00
	Status for relay output.		
1x0030	IO-mod 3 output 1	0-1	PV 5.07
	Status for I/O-module no. 3 relay 1 output.		
1x0031	IO-mod 3 output 2	0-1	PV 5.07
	Status for I/O-module no. 3 relay 2 output.		
1x0032	IO-mod 4 output 1	0-1	PV 5.10
	Status for I/O-module no. 4 relay 1 output.		
1x0033	Reserve 12		
1x0034	Reserve 13		
1x0035	Reserve 14		
1x0036	Reserve 15		
1x0037	Reserve 16		
1x0038	Reserve 17		
1x0039	Reserve 18		
1x0040	Reserve 19		
1x0041	Reserve 20		
1x0042	Reserve 21		
1x0043	Reserve 22		
1x0044	Reserve 23		
1x0045	Reserve 24		
1x0046	Reserve 25		
1x0047	Reserve 26		
1x0048	Reserve 27		
1x0049	Alarm number 1	0-1	
	Status if alarm number 1 is active.		
1x0050	Alarm number 2	0-1	
	Status if alarm number 2 is active.		
1x0051	Alarm number 3	0-1	
	Status if alarm number 3 is active.		
1x0248	Alarm number 200	0-1	PV 5.00
	Status if alarm number 200 is active.		
1x0249	Info number 1	0-1	PV 5.00
	Status if info number 1 is active.		
1x0250	Info number 2	0-1	PV 5.00

Input Status. 1bit (RO).

Modbus	Name	Min/Max	Misc
	Status if info number 2 is active.		
1x0251	Info number 3	0-1	PV 5.00
	Status if info number 3 is active.		
1x0348	Info number 100	0-1	PV 5.00
	Status if info number 100 is active.		

Input Registers. 16-bit integer value (RO).

Modbus	Name	Min/Max	Misc
3x0001	SA Airflow Present supply airflow.	0-8200l/s	
3x0002	SA Airflow regulator Present supply airflow regulator setpoint.	0-8200l/s	
3x0003	EA Airflow Present extract airflow.	0-8200l/s	
3x0004	EA Airflow regulator Present extract airflow regulator setpoint.	0-8200l/s	
3x0005	SA Duct pressure Present supply air duct pressure.	0-2000Pa	
3x0006	SA Duct pressure regulator Present supply air duct pressure regulator setpoint.	0-2000Pa	
3x0007	EA Duct pressure Present extract air duct pressure.	0-2000Pa	
3x0008	EA Duct pressure regulator Present extract air duct pressure regulator setpoint.	0-2000Pa	
3x0009	SA VAV demand/boost input Present input signal for supply air VAV demand or boosting function.	0-100.00%	
3x0010	SA VAV demand regulator Present supply air VAV demand regulator setpoint.	0-100.00%	
3x0011	EA VAV demand/boost input Present input signal for extract air VAV demand or boosting function.	0-100.00%	
3x0012	EA VAV demand regulator Present supply air VAV demand regulator setpoint.	0-100.00%	
3x0013	SA Fan level Present running level for the supply air fan.	0-100.00%	
3x0014	EA Fan level Present running level for the extract air fan.	0-100.00%	
3x0015	SA Fan effect Present power consumption level for the supply air fan.	0-6500W	
3x0016	EA Fan effect Present power consumption level for the extract air fan.	0-6500W	
3x0017	SFP SFP supply air + extract air.	0.0-9.9	
3x0018	SA Frequency Present frequency level for the supply air fan.	0-100.00Hz	
3x0019	EA Frequency Present frequency level for the extract air fan.	0-100.00Hz	
3x0020	SA Voltage Present voltage level for the supply air fan.	0-500V	
3x0021	EA Voltage Present voltage level for the extract air fan.	0-500V	
3x0022	SA Current Present current level for the supply air fan.	0-30.000A	
3x0023	EA Current Present current level for the extract air fan.	0-30.000A	
3x0024	SA Airflow pressure Present airflow pressure in the supply air fan inlet.	0-2000Pa	
3x0025	EA Airflow pressure Present airflow pressure in the extract air fan inlet.	0-2000Pa	
3x0026	SA Temp regulator Present supply air temperature regulator setpoint.	-55.00-125.00°C	

Input Registers. 16-bit integer value (RO).

Modbus	Name	Min/Max	Misc
3x0027	EA Temp regulator Present extract air temperature regulator setpoint.	-55.00-125.00°C	
3x0028	SA Temperature Present supply air temperature.	-55.00-125.00°C	
3x0029	EA/Room temperature Present extract air/room temperature in the unit.	-55.00-125.00°C	
3x0030	Outdoor temperatur Present outdoor air temperature in the unit.	-55.00-125.00°C	
3x0031	EA/Room temperature (external) Present room temperature external from the unit.	-55.00-125.00°C	
3x0032	Outdoor temperatur (external) Present outdoor air temperature external from the unit.	-55.00-125.00°C	
3x0033	Anti frost temperature Present anti frost temperature for water reheating coils.	-55.00-125.00°C	
3x0034	Temperature sensor 3 Present temperature for temp sensor no.3	-55.00-125.00°C	
3x0035	Temperature sensor 4 Present temperature for temp sensor no.4	-55.00-125.00°C	
3x0036	Rotary heat exchanger level Present operation level from rotary heat exchanger.	0-100.00%	
3x0037	Reheat level Present level of reheat.	0-100.00%	
3x0038	SA Down regulation level Present level of supply airflow down regulation.	0-100.00%	
3x0039	Extre regulation sequence level Present level of the extra regulation sequence.	0-100.00%	
3x0040	Cooling level Present level of cooling.	0-100.00%	
3x0041	Heating boost level Present level of heating boost.	0-100.00%	
3x0042	Cooling boost level Present level of cooling boost.	0-100.00%	
3x0043	HX pressure level Present pressure drop for the rotary heat exchanger.	0-2000Pa	
3x0044	HX pressure alarm limit Present pressure drop alarm limit for the rotary heat exchanger.	0-2000Pa	
3x0045	HX temperature Present temperature inside the control unit for the rotary heat exchanger.	0-100.00°C	
3x0046	Effect reduction level Present level of max output signal for electrical reheaters, active during low supply airflow.	0-100.00%	
3x0047	Anti frost temp setpoint/operation Present anti frost temperature setpoint for water reheating coils during unit operation.	10.00-16.00°C	
3x0048	Anti frost temp setpoint/stop Present anti frost temperature setpoint for water reheating coils when the unit is in stop.	15.00-40.00°C	
3x0049	Anti frost temp alarm limit Setting of antifrost temperature alarm limit.	5.00-30.00°C	
3x0050	Supply air filter pressure level Present supply air filter pressure drop.	0-2000Pa	
3x0051	Supply air filter pressure alarm limit.	0-2000Pa	

Input Registers. 16-bit integer value (RO).

Modbus	Name	Min/Max	Misc
	Present supply air filter pressure alarm limit.		
3x0052	Supply air filter pressure level, new	0-2000Pa	
	Supply air filter pressure saved from calibration.		
3x0053	Extract air filter pressure level	0-2000Pa	
	Present extract air filter pressure drop.		
3x0054	Extract air filter pressure alarm limit.	0-2000Pa	
	Present extract air filter pressure alarm limit.		
3x0055	Extract air filter pressure level, new	0-2000Pa	
	Extract air filter pressure saved from calibration.		
3x0056	Temperature displacement	-5.00 - 5.00°C	
	Present temperature displacement from input signal.		
3x0057	Coil type	0-20	
	Present connected reheat coil type.		
3x0058	Cool step time	0-600s	
	Present time between cool step shift.		
3x0059	Cool relay 1 restart time	0-900s	
	Present time between two starts of cool relay 1.		
3x0060	Cool relay 2 restart time	0-900s	
	Present time between two starts of cool relay 2.		
3x0061	Programversion, HMI	0-10.00	
	Present programversion for the handterminal.		
3x0062	Programversion, HMI-slave	0-10.00	
	Present programversion for the extra handterminal.		
3x0063	Programversion, main controller.	0-10.00	
	Present programversion for the main control unit.		
3x0064	Programversion, SA FC-1.	0-10.00	
	Present programversion for the supply air frequency converter no.1.		
3x0065	Programversion, SA FC-2.	0-10.00	
	Present programversion for the supply air frequency converter no.2.		
3x0066	Programversion, EA FC-1.	0-10.00	
	Present programversion for the extract air frequency converter no.1.		
3x0067	Programversion, EA FC-2.	0-10.00	
	Present programversion for the extract air frequency converter no.2.		
3x0068	Programversion, HX control unit	0-10.00	
	Present programversion for the rotary heat exchange control unit.		
3x0069	Weekday	0 - 6	
	Present weekday for the unit's internal clock.		
3x0070	Extended low speed op. Hours	0-23	
	Present time for extended low speed operation.		
3x0071	Extended low speed op. Minutes	0-59	
	Present time for extended low speed operation.		
3x0072	Extended high speed op. Hours	0-23	
	Present time for extended high speed operation.		
3x0073	Extended high speed op. Minutes	0-59	
	Present time for extended high speed operation.		
3x0074	SA Fan operation time	0-9999	
	Present operation time for the supply air fan, measured in minutes and present in days (24h).		
3x0075	EA Fan operation time	0-9999	

Input Registers. 16-bit integer value (RO).

Modbus	Name	Min/Max	Misc
	Present operation time for the extract air fan, measured in minutes and present in days (24h).		
3x0076	Cool operation time	0-9999	
	Present operation time for cooling, measured in minutes and present in days (24h).		
3x0077	Heat exchange operation time	0-9999	
	Present operation time for heat exchange, measured in minutes and present in days (24h).		
3x0078	Reheat operation time	0-9999	
	Present operation time for reheat, measured in minutes and present in days (24h).		
3x0079	Present tripped alarm	0-200	PV 5.00
	Present tripped alarm number with highest priority.		
3x0080	Active not tripped alarm no.1	0-200	PV 5.00
	Present active alarm in delay.		
3x0081	Active not tripped alarm no.2	0-200	PV 5.00
	Present active alarm in delay.		
3x0082	Active not tripped alarm no.3	0-200	PV 5.00
	Present active alarm in delay.		
3x0083	SA Fan size	04 - 80	
	Present supply air fan size.		
3x0084	EA Fan size	04 - 80	
	Present extract air fan size.		
3x0085	Operation mode 1	0 - 18	PV 5.00
	0=Manual stop. 1=Ext. stop. 2=Com. stop 1. 3=Manual high speed. 4=Summer night cooling. 5=Int. night heat. 6=Manual low speed. 7=Ext. high speed. 8=Com. high speed. 9=Year channel stop. 10=Year channel high speed. 11=Year channel low speed. 12=Time channel high speed. 13=Ext. low speed. 14=Com. low speed. 15=Time channel low speed. 16=Time channel stop. 17=Low speed=stop. 18=Com. stop 2. (New in PV 5.00)		
3x0086	Operation mode 2	0 - 22	PV 5.00

Input Registers. 16-bit integer value (RO).

Modbus	Name	Min/Max	Misc
	0= 1=Coold air recovery. 2=Cooling boost. 3=SA down regulation. 4=HX defrosting. 5=Anti frost func. active. 6=Effect reduction. 7=Startup. 8=Zero calibration. 9=Extended low speed. 10=Extended high speed. 11=Air adjustment. 12=Cooling off. 13=Purging R.HX. 14=Extended R.HX. op. 15=Filter calibration. 16=R.HX. calibration 17=Morning boost. 18=Heating boost. 19=Alarm. 20=CoolDX pressure reduction. (PV 2.00) 21=Startup extract air fan (New in 4.00) R.HX speed limited. (Only in PV 2.00-2.02) 22=Fan heat retention (New in PV 5.00)		
3x0087	Operation mode, manual	0 - 3	
	Present manual operation set on the unit's handterminal. 0=Stop. 1=Auto operation. 2=Manual low speed. 3=Manual high speed.		
3x0088	Copy of Input Status 1-16.	0-65535	
	Bit 0=1x0001 Bit 1=1x0002 Bit 15=1x0016		
3x0089	Copy of Input Status 17-32.	0-65535	
	Bit 0=1x00017 Bit 1=1x00018 Bit 15=1x0032		
3x0090	Copy of Input Status 33-48.	0-65535	
	Bit 0=1x00033 Bit 1=1x00034 Bit 15=1x0048		
3x0091	Heat exchanger regulator	0-100.00%	
	Present level of heat exchanger regulator RX/CX/PX.		
3x0092	Extract air-humidity	0-100.00%	
	Present level of extract air-humidity.		
3x0093	Extract air-humidity temperature	-55.00-125.00°C	
	Present temperature inside extract air-humidity sensor.		
3x0094	Extract air-dewpoint	-55.00-125.00°C	
	Calculated extract air-dewpoint.		
3x0095	AYC chilled water temperature	-55.00-125.00°C	
	Present AYC chilled water temperature.		
3x0096	AYC chilled water temperature regulator	-55.00-125.00°C	
	Present AYC chilled water temperature regulator setpoint.		

Input Registers. 16-bit integer value (RO).

Modbus	Name	Min/Max	Misc
3x0097	AYC chilled water output Present level of AYC chilled water valve output.	0-100.00%	
3x0098	Supply air-dewpoint regulator Present supply air-dewpoint regulator setpoint.	-55.00-125.00°C	
3x0099	Supply air-humidity Present level of supply air-humidity	0-100.00%	
3x0100	Supply air-humidity temperature Present temperature inside supply air-humidity sensor.	-55.00-125.00°C	
3x0101	Supply air-dewpoint Calculated supply air-dewpoint.	-55.00-125.00°C	
3x0102	C.HX. Temperature Present temperature of coil heat exchanger.	-55.00-125.00°C	PV 2.00
3x0103	P.HX. Temperature 1 Present temperature 1 of plate heat exchanger.	-55.00-125.00°C	PV 2.00
3x0104	P.HX. Temperature 2 Present temperature 2 of plate heat exchanger.	-55.00-125.00°C	PV 2.00
3x0105	P/C.HX. Humidity Present level of air-humidity in plate/coil heat exchanger.	0-100.00%	PV 2.00
3x0106	R.HX. Efficiency Calculated level of rotary heat exchanger efficiency.	0-100.00%	PV 2.00
3x0107	C.HX. Valve output Present level of coil heat exchanger valve output.	0-100.00%	PV 5.00
3x0108	P.HX bypass output Present level of plate heat exchanger bypass output.	0-100.00%	PV 5.00
3x0109	Supply air prefilter pressure level Present supply air prefilter pressure drop.	0-2000Pa	PV 5.00
3x0110	Supply air prefilter pressure alarm limit. Present supply air prefilter pressure alarm limit.	0-2000Pa	PV 5.00
3x0111	Supply air prefilter pressure level, new Supply air prefilter pressure saved from calibration.	0-2000Pa	PV 5.00
3x0112	Extract air prefilter pressure level Present extract air prefilter pressure drop.	0-2000Pa	PV 5.00
3x0113	Extract air prefilter pressure alarm limit. Present extract air prefilter pressure alarm limit.	0-2000Pa	PV 5.00
3x0114	Extract air prefilter pressure level, new Extract air prefilter pressure saved from calibration.	0-2000Pa	PV 5.00
3x0115	Xzone reheat level Present level of Xzone reheat.	0-100.00%	PV 5.00
3x0116	Xzone anti frost temperature Present Xzone anti frost temperature for water reheating coils.	-55.00-125.00°C	PV 5.00
3x0117	Xzone cooling level Present level of Xzone cooling.	0-100.00%	PV 5.00
3x0118	Xzone cool step time Present time between Xzone cool step shift.	0-600s	PV 5.00
3x0119	Xzone cool relay 1 restart time Present time between two starts of Xzone cool relay 1.	0-900s	PV 5.00
3x0120	Xzone cool relay 2 restart time Present time between two starts of Xzone cool relay 2.	0-900s	PV 5.00
3x0121	Xzone SA Temp regulator Present Xzone supply air temperature regulator setpoint.	-55.00-125.00°C	PV 5.00
3x0122	Xzone EA Temp regulator Present Xzone extract air temperature regulator setpoint.	-55.00-125.00°C	PV 5.00
3x0123	Xzone SA Temperature	-55.00-125.00°C	PV 5.00

Input Registers. 16-bit integer value (RO).

Modbus	Name	Min/Max	Misc
	Present Xzone supply air temperature.		
3x0124	Xzone EA/Room temperature	-55.00-125.00°C	PV 5.00
	Present Xzone extract air/room temperature.		
3x0125	Pre-heating air temperature	-55.00-125.00°C	PV 5.00
	Present pre-heating air temperature.		
3x0126	Pre-heating level	0-100.00%	PV 5.00
	Present level of pre-heating.		
3x0127	Pre-heating anti frost temperature	-55.00-125.00°C	PV 5.00
	Present anti frost temperature for water pre-heating coils.		
3x0128	ReCO2 CO2 input	0-100.00%	PV 5.00
	Present input signal for ReCO2 CO2.		
3x0129	ReCO2 internal damper output	0-100.00%	PV 5.00
	Present output signal for ReCO2 internal damper.		
3x0130	ReCO2 external damper output	0-100.00%	PV 5.00
	Present output signal for ReCO2 external damper.		
3x0131	ReCO2 outdoor airflow	0-8200l/s	PV 5.00
	Present ReCO2 outdoor airflow.		
3x0132	ReCO2 outdoor airflow regulator	0-8200l/s	PV 5.00
	Present ReCO2 outdoor airflow regulator setpoint.		
3x0133	ReCO2 outdoor airflow pressure	0-2000Pa	PV 5.00
	Present ReCO2 outdoor airflow pressure.		
3x0134	Preheat operation time	0-9999	PV 5.00
	Present operation time for preheat, measured in minutes and present in days (24h).		
3x0135	Xzone cool operation time	0-9999	PV 5.00
	Present operation time for Xzone cooling, measured in minutes and present in days (24h).		
3x0136	Xzone reheat operation time	0-9999	PV 5.00
	Present operation time for Xzone reheat, measured in minutes and present in days (24h).		
3x0137	Supply air-D temperature	-55.00-125.00°C	PV 5.07
	Present supply air-D temperature.		
3x0138	Extract air-D temperature	-55.00-125.00°C	PV 5.07
	Present extract air-D temperature.		
3x0139	AYC heat temperature	-55.00-125.00°C	PV 5.07
	Present AYC heat temperature.		
3x0140	AYC heat temp regulator	-55.00-125.00°C	PV 5.07
	Present AYC heat temperature regulator setpoint.		
3x0141	AYC heat valve output	0-100.00%	PV 5.07
	Present level of AYC heat valve output.		
3x0142	Min/Max/Average Sens1Temp	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 1 temperature.		
3x0143	Min/Max/Average Sens2Temp	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 2 temperature.		
3x0144	Min/Max/Average Sens3Temp	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 3 temperature.		
3x0145	Min/Max/Average Sens4Temp	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 4 temperature.		

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0001	SA Low speed airflow setpoint Supply airflow setpoint for the unit when running in low speed operation.	0-8200l/s	
4x0002	SA High speed airflow setpoint Supply airflow setpoint for the unit when running in high speed operation.	0-8200l/s	
4x0003	SA Max speed airflow setpoint Supply airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	0-8200l/s	
4x0004	SA Min speed airflow setpoint Supply airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.	0-8200l/s	
4x0005	EA Low speed airflow setpoint Extract airflow setpoint for the unit when running in low speed operation.	0-8200l/s	
4x0006	EA High speed airflow setpoint Extract airflow setpoint for the unit when running in high speed operation.	0-8200l/s	
4x0007	EA Max speed airflow setpoint Extract airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	0-8200l/s	
4x0008	EA Min speed airflow setpoint Extract airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.	0-8200l/s	
4x0009	SA Low speed pressure setpoint Supply air duct pressure setpoint for the unit when running in low speed operation.	0-750Pa	
4x0010	SA High speed pressure setpoint Supply air duct pressure for the unit when running in high speed operation.	20-750Pa	
4x0011	SA Max speed output signal Max. limit for the supply air fan speed when running in pressure regulation mode.	10.00-100.00%	
4x0012	SA Max speed pressure setpoint Supply air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	20-750Pa	
4x0013	EA Low speed pressure setpoint Extract air duct pressure setpoint for the unit when running in low speed operation.	0-750Pa	
4x0014	EA High speed pressure setpoint Extract air duct pressure setpoint for the unit when running in high speed operation.	20-750Pa	
4x0015	EA Max speed output signal Max. limit for the extract air fan speed when running in pressure regulation mode.	10.00-100.00%	
4x0016	EA Max speed pressure setpoint Extract air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	20-750Pa	
4x0017	SA Low speed demand setpoint	0-100.00%	

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	Supply air setpoint for the 0-10V input signal on terminal 30..31 for the unit when running in low speed operation.		
4x0018	SA High speed demand setpoint	0-100.00%	
	Supply air setpoint for the 0-10V input signal on terminal 30..31 for the unit when running in high speed operation.		
4x0019	EA Low speed demand setpoint	0-100.00%	
	Extract air setpoint for the 0-10V input signal on terminal 32..33 for the unit when running in low speed operation.		
4x0020	EA High speed demand setpoint	0-100.00%	
	Extract air setpoint for the 0-10V input signal on terminal 32..33 for the unit when running in high speed operation.		
4x0021	SA Airflow regulation zone	1.00 - 10.00	
	Supply airflow regulation zone setting in % of the present airflow setpoint that the regulator is allowed to work within.		
4x0022	SA Airflow C-factor	0.005 - 2.500	
	Supply airflow regulator affection setting.		
4x0023	EA Airflow regulation zone	1.00 - 10.00	
	Extract airflow regulation zone setting in % of the present airflow setpoint that the regulator is allowed to work within.		
4x0024	EA Airflow C-factor	0.005 - 2.500	
	Extract airflow regulator affection setting.		
4x0025	SA Pressure regulation zone	1.00 - 10.00	
	Supply air pressure regulation zone setting in % of the present duct pressure setpoint that the regulator is allowed to work within.		
4x0026	SA Pressure C-factor	0.005 - 2.500	
	Supply air pressure regulator affection setting.		
4x0027	EA Pressure regulation zone	1.00 - 10.00	
	Extract air pressure regulation zone setting in % of the present duct pressure setpoint that the regulator is allowed to work within.		
4x0028	EA Pressure C-factor	0.005 - 2.500	
	Extract air pressure regulator affection setting.		
4x0029	SA Demand P-band.	1.00 - 100.00	
	Supply air demand regulator P-band setting.		
4x0030	SA Demand C-factor	0.005 - 2.500	
	Supply air demand regulator affection setting.		
4x0031	EA Demand P-band.	1.00 - 100.00	
	Extract air demand regulator P-band setting.		
4x0032	EA Demand C-factor	0.005 - 2.500	
	Extract air demand regulator affection setting.		
4x0033	ERS 1 Diff	1.00 - 7.00°C	
	Supply air temperature difference setting according to the diagram for ERS 1.		
4x0034	ERS 1 Breakpoint	12.00 - 26.00°C	
	Breakpoint setting according to the diagram for ERS 1.		
4x0035	ERS 2 Breakpoint X1	10.00-38.00°C	
	Breakpoint X1 setting according to the diagram for ERS 2.		
4x0036	ERS 2 Breakpoint Y1	10.00-40.00°C	
	Breakpoint Y1 setting according to the diagram for ERS 2.		
4x0037	ERS 2 Breakpoint X2	11.00-39.00°C	
	Breakpoint X2 setting according to the diagram for ERS 2.		
4x0038	ERS 2 Breakpoint Y2	10.00-40.00°C	
	Breakpoint Y2 setting according to the diagram for ERS 2.		

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0039	ERS 2 Breakpoint X3	12.00-40.00°C	
	Breakpoint X3 setting according to the diagram for ERS 2.		
4x0040	ERS 2 Breakpoint Y3	10.00-40.00°C	
	Breakpoint Y3 setting according to the diagram for ERS 2.		
4x0041	SA Temperature setpoint	10.00-40.00°C	
	Supply air temperature setting, for supply air temp regulation mode.		
4x0042	EA/Room Temperature setpoint	10.00-40.00°C	
	Extract air/room temperature setting, for Extract air/room temp regulation mode.		
4x0043	SA Min temp setpoint	8.00-20.00°C	
	Supply air min.setpoint during EA/room regulation mode.		
4x0044	SA Max temp setpoint	16.00-50.00°C	
	Supply air max.setpoint during EA/room regulation mode.		
4x0045	SA Temperature P-band	1.00 - 40.00	PV 5.00
	Supply air temperature regulator P-band setting.		
4x0046	EA/Room Temperature P-band	1.00 - 40.00	PV 5.00
	Extract air/room temperature regulator P-band setting.		
4x0047	SA HX. Reg C-factor	0.000 - 2.500	
	Supply air heat exchange regulator affection setting.		
4x0048	EA/Room HX. Reg C-factor	0.000 - 2.500	
	Extract air/room heat exchange regulator affection setting.		
4x0049	SA Heat Reg C-factor	0.000 - 2.500	
	Supply air reheat regulator affection setting.		
4x0050	EA/Room Heat Reg C-factor	0.000 - 2.500	
	Extract air/room reheat regulator affection setting.		
4x0051	SA Extra Reg heat C-factor	0.000 - 2.500	
	Supply air extra regulation sequence for reheating regulator affection setting.		
4x0052	SA Extra Reg cool C-factor	0.000 - 2.500	
	Supply air extra regulation sequence for cooling regulator affection setting.		
4x0053	EA Extra Reg heat C-factor	0.000 - 2.500	
	Extract air extra regulation sequence for reheating regulator affection setting.		
4x0054	EA Extra Reg cool C-factor	0.000 - 2.500	
	Extract air extra regulation sequence for cooling regulator affection setting.		
4x0055	SA Down regulation Reg C-factor	0.000 - 2.500	
	Supply air reheat regulator affection setting.		
4x0056	Reserve		
4x0057	SA Cool reg C-factor	0.000 - 2.500	
	Supply air cool regulator affection setting.		
4x0058	EA/Room Cool reg C-factor	0.000 - 2.500	
	Extract air/room cool regulator affection setting.		
4x0059	SA Cooling boost C-factor	0.000 - 2.500	

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	Supply air cooling boost affection setting.		
4x0060	EA/Room Cooling boost reg C-factor	0.000 - 2.500	
	Extract air/room cooling boost regulator affection setting.		
4x0061	HX Pressure alarm set.	30 - 100Pa	
	Heat exchange pressure alarm limit setting (alarm no.38).		
4x0062	P/C.HX. defrost P-band	1.00 - 40.00	PV 2.00
	Plate/coil heat exchange defrost P-band setting.		
4x0063	P/C.HX. defrost C-factor	0.000 - 2.500	PV 2.00
	Plate/coil heat exchange defrost C-factor setting.		
4x0064	Cooling off set.	10 - 50%	
	Cooling off airflow setting in % of max. airflow.		
4x0065	SA Down regulation neutral zone	0.00-10.00°C	
	Neutral zone setting before downregulation is permitted.		
4x0066	Cool Outdoor temp limit.1	0.00-25.00°C	
	Outdoor temperature limit setting for cooling stage 1.		
4x0067	Cool Outdoor temp limit.2	0.00-25.00°C	
	Outdoor temperature limit setting for cooling stage 2.		
4x0068	Cool Outdoor temp limit.3	0.00-25.00°C	
	Outdoor temperature limit setting for cooling stage 3.		
4x0069	Temperature reg. Neutral zone	0.50-10.00°C	
	Neutral zone setting before shift between heating and cooling.		
4x0070	SA Cool min air flow	0-8200l/s	
	Supply air min. air flow setting for cooling.		
4x0071	EA Cool min air flow	0-8200l/s	
	Extract air min. air flow setting for cooling.		
4x0072	Heating boost start limit	0.00-40.00°C	
	Heating boost start temperature limit.		
4x0073	Cooling boost start limit	0.00-40.00°C	
	Cooling boost (comfort) start temperature limit.		
4x0074	SA Filter alarm limit	50-300Pa	
	Supply air filter pressure alarm limit setting.		
4x0075	EA Filter alarm limit	50-300Pa	
	Extract air filter pressure alarm limit setting.		
4x0076	Int. Night heat room start temp	5.00-25.00°C	
	Intermittent night heat function, extract air temperature setting for start.		
4x0077	Int. Night heat room stop temp	5.00-25.00°C	
	Intermittent night heat function, extract air temperature setting for stop.		
4x0078	Int. Night heat SA temp setpoint	5.00-40.00°C	
	Intermittent night heat function, supply air temperature setpoint during night heat.		
4x0079	Int. Night heat SA airflow setpoint	0-8200l/s	
	Intermittent night heat function, supply airflow setpoint during night heat.		
4x0080	Int. Night heat EA airflow setpoint	0-8200l/s	
	Intermittent night heat function, extract airflow setpoint during night heat.		
4x0081	Summer night cool EA start temp	17.00-27.00°C	
	Summer night cool function, extract air temperature setting for start.		

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0082	Summer night cool EA stop temp	12.00-22.00°C	
	Summer night cool function, extract air temperature setting for stop.		
4x0083	Summer night cool outdoor temp limit	5.00-15.00°C	
	Summer night cool function, outdoor temperature limit.		
4x0084	Summer night cool SA temp setpoint	10.00-20.00°C	
	Summer night cool function, supply air temperature setpoint during summer night cool.		
4x0085	Outdoor temp comp. Winter X1.	-30.00-(-10.00)°C	
	Endpoint of winter compensation.		
4x0086	Outdoor temp comp. Winter X2.	-10.00-15.00°C	
	Startpoint of winter compensation.		
4x0087	Outdoor temp comp. Winter Y1.	0.00-10.00°C	
	Level of winter compensation at X1.		
4x0088	Outdoor temp comp. Summer X3.	15.00-25.00°C	
	Startpoint of summer compensation.		
4x0089	Outdoor temp comp. Summer X4.	25.00-40.00°C	
	Endpoint of summer compensation.		
4x0090	Outdoor temp comp. Summer Y2.	-10.00-10.00°C	
	Level of summer compensation at X4.		
4x0091	Outdoor airflow comp. Winter X1.	-30.00-(-10.00)°C	
	Endpoint of winter compensation.		
4x0092	Outdoor airflow comp. Winter X2.	-10.00-15.00°C	
	Startpoint of winter compensation.		
4x0093	Outdoor airflow comp. Winter Y1.	0-50.00%	
	Level of airflow compensation at X1.		
4x0094	Extra Reg. Sequence max output	0-100.00%	
	Maximum output signal setting for the extra regulation sequence.		
4x0095	EA/Room min temp alarm limit	8.00-20.00°C	
	Setting for min extract air /room temp alarm no.40.		
4x0096	SA Deviation alarm limit	2.00-15.00°C	
	Setting for supply air temperature below present setpoint, alarm no.41.		
4x0097	Reserve		
4x0098	SA Fan regulation mode	0 - 3	
	Setting of regulation type for the supply air fan. 0=Airflow reg. 1=Pressure reg. 2=Demand reg. 3=Slave controlled by EA fan.		
4x0099	EA Fan regulation mode	0 - 3	
	Setting of regulation type for the extract air fan. 0=Airflow reg. 1=Pressure reg. 2=Demand reg. 3=Slave controlled by SA fan.		
4x0100	ERS Step	1 - 4	
	Setting of curve when temperature is above breakpoint.		
4x0101	Temperature regulation mode.	0 - 3	

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	Setting of temperature regulation type. 0=ERS 1 reg. 1=ERS 2 reg. 2=SA reg. 3=EA/Room reg.		
4x0102	Cooling off periode	60 - 900s	
	Time setting for cooling off electrical heating coil.		
4x0103	Cool step time	0 - 600s	
	Time setting between cool step shift.		
4x0104	Cool restart time	60 - 900s	
	Setting of time between two starts of the cool relays.		
4x0105	Cool regulation mode	0 - 6	PV 3.00
	Setting of cool regulation type 0=Controlled 0-10V 1=Controlled 10-0V 2=On/Off 1-step 3=On/Off 2-steps 4=On/Off 3-steps binary 5=CoolDX economi (PV 2.00) 6=CoolDX comfort (PV 3.00)		
4x0106	Heating boost regulation mode.	0 - 1	
	Setting for heating boost function. 0=Inactive. 1=Active.		
4x0107	Cooling boost regulation mode.	0 - 5	PV 5.00
	Setting of cooling boost regulation type. 0=Inactive. 1=Comfort. 2=Economy. 3=Sequence. 4=Comfort+economy (New in PV 5.00). 5=Economy+sequence (New in PV 5.00).		
4x0108	Filter calibration mode	0 - 5	PV 5.00
	Setting for required filter calibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter. 4=HX. 5=ReCO2 (New in PV 5.00).		
4x0109	Air adjustment time, minutes	0 - 1727	
	Setting for amount of minutes to air adjustment function.		
4x0110	Air adjustment time, hours	0 - 28	
	Setting for amount of hours to air adjustment function.		
4x0111	Handterminal language	0 - 18	PV 5.01

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	0=Svenska 1=Norsk 2=Dansk 3=Suomi 4=English 5=Français 6=Deutsch 7=Polski 8=Český 9=Italiano 10=Español 11=Português 12=Русский 13=Eesti 14=Latviesu 15=Lietiviu 16=Nederlands 17=Magyar (New in PV 5.00) 18=Türkçe (New in PV 5.01)		
4x0112	Summer night cool start, hour	0-23	
	Setting for start time of summer night cooling function.		
4x0113	Summer night cool start, minute	0-59	
	Setting for start time of summer night cooling function.		
4x0114	Summer night cool stop, hour	0-23	
	Setting for stop time of summer night cooling function.		
4x0115	Summer night cool stop, minute	0-59	
	Setting for stop time of summer night cooling function.		
4x0116	Extra regulation sequence cool mode	0 - 2	
	Setting of extra regulation sequence cool type. 0=Inactive. 1=Comfort. 2=Economi.		
4x0117	Extra regulation sequence heat mode	0 - 2	
	Setting of extra regulation sequence heat type. 0=Inactive. 1=Comfort. 2=Economi.		
4x0118	Morning boost time, hours	0-23	
	Setting of morning boost time before normal operation.		
4x0119	Morning boost time, minutes	0-59	
	Setting of morning boost time before normal operation.		
4x0120	Startup time	0 - 600s	
	Setting of time for startup when the unit regulator is running with fixed signals.		
4x0121	Start delay SA fan.	0 - 600s	
	Setting of start delay time for the supply air fan.		
4x0122	Start delay EA fan.	0 - 600s	
	Setting of start delay time for the extract air fan after supply air fan has started.		
4x0123	Air flow unit	0 -2	

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc																								
	Setting of air flow unit presented in the unit's handterminal and WEB. 0=l/s. 1=m3/s. 2=m3/h.																										
4x0124	Reserve		PV 3.00																								
4x0125	Year Setting for the unit's internal clock.	2000-2099																									
4x0126	Month Setting for the unit's internal clock.	1-12																									
4x0127	Date Setting for the unit's internal clock.	0-31																									
4x0128	Hour Setting for the unit's internal clock.	0-23																									
4x0129	Minute Setting for the unit's internal clock.	0-59																									
4x0130	Second Setting for the unit's internal clock.	0-59																									
4x0131	Time channel 1 status	0-10,16-26																									
	<table border="0"> <tr> <td>Low speed</td> <td>Högfart</td> </tr> <tr> <td>0=Inactive</td> <td>16=Inactive</td> </tr> <tr> <td>1=Monday</td> <td>17=Monday</td> </tr> <tr> <td>2=Tuesday</td> <td>18=Tuesday</td> </tr> <tr> <td>3=Wednesday</td> <td>19=Wednesday</td> </tr> <tr> <td>4=Thursday</td> <td>20=Thursday</td> </tr> <tr> <td>5=Friday</td> <td>21=Friday</td> </tr> <tr> <td>6=Saturday</td> <td>22=Saturday</td> </tr> <tr> <td>7=Sunday</td> <td>23=Sunday</td> </tr> <tr> <td>8=Monday..Friday</td> <td>24=Monday..Friday</td> </tr> <tr> <td>9=Monday..Sunday</td> <td>25=Monday..Sunday</td> </tr> <tr> <td>10=Saturday..Sunday</td> <td>26=Saturday..Sunday</td> </tr> </table>	Low speed	Högfart	0=Inactive	16=Inactive	1=Monday	17=Monday	2=Tuesday	18=Tuesday	3=Wednesday	19=Wednesday	4=Thursday	20=Thursday	5=Friday	21=Friday	6=Saturday	22=Saturday	7=Sunday	23=Sunday	8=Monday..Friday	24=Monday..Friday	9=Monday..Sunday	25=Monday..Sunday	10=Saturday..Sunday	26=Saturday..Sunday		
Low speed	Högfart																										
0=Inactive	16=Inactive																										
1=Monday	17=Monday																										
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3=Wednesday	19=Wednesday																										
4=Thursday	20=Thursday																										
5=Friday	21=Friday																										
6=Saturday	22=Saturday																										
7=Sunday	23=Sunday																										
8=Monday..Friday	24=Monday..Friday																										
9=Monday..Sunday	25=Monday..Sunday																										
10=Saturday..Sunday	26=Saturday..Sunday																										
4x0132	Time channel 1 start hour	0-23																									
4x0133	Time channel 1 start minute	0-59																									
4x0134	Time channel 1 stop hour	0-23																									
4x0135	Time channel 1 stop minute	0-59																									
4x0136	Time channel 2 status	0-10,16-26																									
4x0137	Time channel 2 start hour	0-23																									
4x0138	Time channel 2 start minute	0-59																									
4x0139	Time channel 2 stop hour	0-23																									
4x0140	Time channel 2 stop minute	0-59																									
4x0141	Time channel 3 status	0-10,16-26																									
4x0142	Time channel 3 start hour	0-23																									
4x0143	Time channel 3 start minute	0-59																									
4x0144	Time channel 3 stop hour	0-23																									
4x0145	Time channel 3 stop minute	0-59																									
4x0146	Time channel 4 status	0-10,16-26																									
4x0147	Time channel 4 start hour	0-23																									
4x0148	Time channel 4 start minute	0-59																									
4x0149	Time channel 4 stop hour	0-23																									
4x0150	Time channel 4 stop minute	0-59																									
4x0151	Time channel 5 status	0-10,16-26																									
4x0152	Time channel 5 start hour	0-23																									

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0153	Time channel 5 start minute	0-59	
4x0154	Time channel 5 stop hour	0-23	
4x0155	Time channel 5 stop minute	0-59	
4x0156	Time channel 6 status	0-10,16-26	
4x0157	Time channel 6 start hour	0-23	
4x0158	Time channel 6 start minute	0-59	
4x0159	Time channel 6 stop hour	0-23	
4x0160	Time channel 6 stop minute	0-59	
4x0161	Time channel 7 status	0-10,16-26	
4x0162	Time channel 7 start hour	0-23	
4x0163	Time channel 7 start minute	0-59	
4x0164	Time channel 7 stop hour	0-23	
4x0165	Time channel 7 stop minute	0-59	
4x0166	Time channel 8 status	0-10,16-26	
4x0167	Time channel 8 start hour	0-23	
4x0168	Time channel 8 start minute	0-59	
4x0169	Time channel 8 stop hour	0-23	
4x0170	Time channel 8 stop minute	0-59	
4x0171	Extended low speed op. Hours	0-23	
	Setting for extended low speed operation.		
4x0172	Extended low speed op. Minutes	0-59	
	Setting for extended low speed operation.		
4x0173	Extended high speed op. Hours	0-23	
	Setting for extended low speed operation.		
4x0174	Extended high speed op. Minutes	0-59	
	Setting for extended low speed operation.		
4x0175	Communication operation mode	0 - 4	PV 5.00
	Setting of unit operation mode from communication. 0=Auto operation (Normal stop when time channels are deactivated). 1=Communication stop 1. 2=Communication low speed. 3=Communication high speed. 4=Communication stop 2 (New in PV 5.00). Intermittent night heat and morning boost functions works at stop 2.		
4x0176	Service periode alarm.	0-99	
	Setting for delay time in months before service alarm.		
4x0177	External alarm 1 delay	1 - 600s	
	Setting of delay time for external alarm no 1		
4x0178	External alarm 2 delay	1 - 600s	
	Setting of delay time for external alarm no 2		
4x0179	Int. Night heat SA pressure setpoint	20-750Pa	
	Intermittent night heat function, supply pressure setpoint during night heat.		
4x0180	Int. Night heat EA pressure setpoint	20-750Pa	
	Intermittent night heat function, extract pressure setpoint during night heat.		
4x0181	Copy of Coil Status 1-16	0-65535	
	Bit 0=1x0001 Bit 1=1x0002 Bit 15=1x0016		
4x0182	Copy of Coil Statust 17-32	0-65535	

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	Bit 0=1x00017 Bit 1=1x00018 Bit 15=1x0032		
4x0183	Copy of Coil Status 33-48	0-65535	
	Bit 0=1x00033 Bit 1=1x00034 Bit 15=1x0048		
4x0184	Heat relay periodic func.	0-3	PV 2.02
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve (PV 2.02)		
4x0185	Cool relay 1 periodic func.	0-3	PV 2.02
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve (PV 2.02)		
4x0186	Cool relay 2 periodic func.	0-3	PV 2.02
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve (PV 2.02)		
4x0187	Slave control C-factor	0.5 - 2.0	PV 5.07
	Slave regulator affection setting.		
4x0188	SA dehumid P-band	1.00 - 40.00	PV 5.00
	SA dehumid regulator P-band setting.		
4x0189	SA dehumid C-factor	0.000 - 2.500	
	SA dehumid regulator affection setting.		
4x0190	Dewpoint reg. P-band	1.00 - 40.00	PV 5.00
	Dewpoint regulator P-band setting.		
4x0191	Dewpoint reg. C-factor	0.000 - 2.500	
	Dewpoint regulator affection setting.		
4x0192	AYC chilled water temperature	5.00-30.00°C	
	Setting of AYC chilled water temperature setpoint.		
4x0193	Dewpoint neutralzone	0.00-5.00°C	
	Dewpoint neutralzone setting.		
4x0194	Comp. airflow	0-30.00%	
	Setting of comp. airflow.		
4x0195	Supply air-humidity	10.00-90.00%	
	Setting of supply air-humidity.		
4x0196	Water heating periodic op. time	0-60min	
	Setting of periodic op. time (minute).		
4x0197	Water heating interval	0-168h	
	Setting of water heating interval time (hour).		
4x0198	Cool periodic op. time	0-60min	PV 2.02
	Setting of periodic op. time (minute).		
4x0199	Cool interval	0-168h	PV 2.02
	Setting of cool interval time (hour).		
4x0200	P/C.HX. bypass adj.	-5.00-5.00°C	PV 2.02
	Setting of plate/coil heat exchange bypass adjustment.		
4x0201	EA/Room temperature (external) func.	0-3	PV 5.15

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	Setting of EA/Room temperature (external) function. 0=Inactive. 1=Input signal on terminal 40..41. 2=Communication (4x0202). 3=Min/Max/Average (PV 5.15).		
4x0202	EA/Room temperature com.	-55.00-125.00°C	PV 3.00
	Setting of EA/Room temperature via communication.		
4x0203	Outdoor temperature (external) func.	0-2	PV 3.00
	Setting of outdoor temperature (external) function. 0=Inactive. 1=Input signal on terminal 38..39. 2=Communication (4x0204).		
4x0204	Outdoor temperature com.	-55.00-125.00°C	PV 3.00
	Setting of outdoor temperature via communication.		
4x0205	Timeout temperature com.	0-9999min	PV 3.00
	Setting of timeout for temperature via communication (4x0202, 4x0204).		
4x0206	Flow at fire function.	0-3	PV 3.00
	Setting for activating the air fan operation at fire function 0=Inactive. 1=SA. 2=EA. 3=SA+EA.		
4x0207	Air fan down regulation func.	0-2	PV 3.00
	Setting for activating the air fan down regulation function 0=Inactive. 1=SA. 2=SA+EA.		
4x0208	SA speed at fire.	50.00-100.00%	PV 3.00
	Setting of supply air speed at fire.		
4x0209	EA speed at fire.	50.00-100.00%	PV 3.00
	Setting of extract air speed at fire.		
4x0210	Temperature alarm setpoint.	-25.00-25.00°C	PV 3.00
	Temperature alarm function setting (no.80).		
4x0211	Temperature alarm time.	1-999s	PV 3.00
	Setting of delay time for temperature alarm (no.80).		
4x0212	Supply air min P-band.	1.00 - 40.00	PV 3.00
	Supply air min regulator P-band setting.		
4x0213	Supply air min C-factor.	0.000 - 2.500	PV 3.00
	Supply air min regulator affection setting.		
4x0214	Supply air max P-band.	1.00 - 40.00	PV 3.00
	Supply air max regulator P-band setting.		
4x0215	Supply air max C-factor.	0.000 - 2.500	PV 3.00
	Supply air max regulator affection setting.		
4x0216	Year channel 1 function.	0 - 3	PV 3.00
	0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
4x0217	Year channel 1 start year.	2000 - 2099	PV 3.00
4x0218	Year channel 1 start month.	1 - 12	PV 3.00
4x0219	Year channel 1 start date.	1 - 31	PV 3.00
4x0220	Year channel 1 start hour.	0 - 23	PV 3.00
4x0221	Year channel 1 start minute.	0 - 59	PV 3.00
4x0222	Year channel 1 stop year.	2000 - 2099	PV 3.00

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0223	Year channel 1 stop month.	1 - 12	PV 3.00
4x0224	Year channel 1 stop date.	1 - 31	PV 3.00
4x0225	Year channel 1 stop hour.	0 - 23	PV 3.00
4x0226	Year channel 1 stop minute.	0 - 59	PV 3.00
4x0227	Year channel 2 function.	0 - 3	PV 3.00
4x0228	Year channel 2 start year.	2000 - 2099	PV 3.00
4x0229	Year channel 2 start month.	1 - 12	PV 3.00
4x0230	Year channel 2 start date.	1 - 31	PV 3.00
4x0231	Year channel 2 start hour.	0 - 23	PV 3.00
4x0232	Year channel 2 start minute.	0 - 59	PV 3.00
4x0233	Year channel 2 stop year.	2000 - 2099	PV 3.00
4x0234	Year channel 2 stop month.	1 - 12	PV 3.00
4x0235	Year channel 2 stop date.	1 - 31	PV 3.00
4x0236	Year channel 2 stop hour.	0 - 23	PV 3.00
4x0237	Year channel 2 stop minute.	0 - 59	PV 3.00
4x0238	Year channel 3 function.	0 - 3	PV 3.00
4x0239	Year channel 3 start year.	2000 - 2099	PV 3.00
4x0240	Year channel 3 start month.	1 - 12	PV 3.00
4x0241	Year channel 3 start date.	1 - 31	PV 3.00
4x0242	Year channel 3 start hour.	0 - 23	PV 3.00
4x0243	Year channel 3 start minute.	0 - 59	PV 3.00
4x0244	Year channel 3 stop year.	2000 - 2099	PV 3.00
4x0245	Year channel 3 stop month.	1 - 12	PV 3.00
4x0246	Year channel 3 stop date.	1 - 31	PV 3.00
4x0247	Year channel 3 stop hour.	0 - 23	PV 3.00
4x0248	Year channel 3 stop minute.	0 - 59	PV 3.00
4x0249	Year channel 4 function.	0 - 3	PV 3.00
4x0250	Year channel 4 start year.	2000 - 2099	PV 3.00
4x0251	Year channel 4 start month.	1 - 12	PV 3.00
4x0252	Year channel 4 start date.	1 - 31	PV 3.00
4x0253	Year channel 4 start hour.	0 - 23	PV 3.00
4x0254	Year channel 4 start minute.	0 - 59	PV 3.00
4x0255	Year channel 4 stop year.	2000 - 2099	PV 3.00
4x0256	Year channel 4 stop month.	1 - 12	PV 3.00
4x0257	Year channel 4 stop date.	1 - 31	PV 3.00
4x0258	Year channel 4 stop hour.	0 - 23	PV 3.00
4x0259	Year channel 4 stop minute.	0 - 59	PV 3.00
4x0260	Year channel 5 function.	0 - 3	PV 3.00
4x0261	Year channel 5 start year.	2000 - 2099	PV 3.00
4x0262	Year channel 5 start month.	1 - 12	PV 3.00
4x0263	Year channel 5 start date.	1 - 31	PV 3.00
4x0264	Year channel 5 start hour.	0 - 23	PV 3.00
4x0265	Year channel 5 start minute.	0 - 59	PV 3.00
4x0266	Year channel 5 stop year.	2000 - 2099	PV 3.00
4x0267	Year channel 5 stop month.	1 - 12	PV 3.00
4x0268	Year channel 5 stop date.	1 - 31	PV 3.00
4x0269	Year channel 5 stop hour.	0 - 23	PV 3.00
4x0270	Year channel 5 stop minute.	0 - 59	PV 3.00
4x0271	Year channel 6 function.	0 - 3	PV 3.00
4x0272	Year channel 6 start year.	2000 - 2099	PV 3.00
4x0273	Year channel 6 start month.	1 - 12	PV 3.00
4x0274	Year channel 6 start date.	1 - 31	PV 3.00
4x0275	Year channel 6 start hour.	0 - 23	PV 3.00
4x0276	Year channel 6 start minute.	0 - 59	PV 3.00
4x0277	Year channel 6 stop year.	2000 - 2099	PV 3.00

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0278	Year channel 6 stop month.	1 - 12	PV 3.00
4x0279	Year channel 6 stop date.	1 - 31	PV 3.00
4x0280	Year channel 6 stop hour.	0 - 23	PV 3.00
4x0281	Year channel 6 stop minute.	0 - 59	PV 3.00
4x0282	Year channel 7 function.	0 - 3	PV 3.00
4x0283	Year channel 7 start year.	2000 - 2099	PV 3.00
4x0284	Year channel 7 start month.	1 - 12	PV 3.00
4x0285	Year channel 7 start date.	1 - 31	PV 3.00
4x0286	Year channel 7 start hour.	0 - 23	PV 3.00
4x0287	Year channel 7 start minute.	0 - 59	PV 3.00
4x0288	Year channel 7 stop year.	2000 - 2099	PV 3.00
4x0289	Year channel 7 stop month.	1 - 12	PV 3.00
4x0290	Year channel 7 stop date.	1 - 31	PV 3.00
4x0291	Year channel 7 stop hour.	0 - 23	PV 3.00
4x0292	Year channel 7 stop minute.	0 - 59	PV 3.00
4x0293	Year channel 8 function.	0 - 3	PV 3.00
4x0294	Year channel 8 start year.	2000 - 2099	PV 3.00
4x0295	Year channel 8 start month.	1 - 12	PV 3.00
4x0296	Year channel 8 start date.	1 - 31	PV 3.00
4x0297	Year channel 8 start hour.	0 - 23	PV 3.00
4x0298	Year channel 8 start minute.	0 - 59	PV 3.00
4x0299	Year channel 8 stop year.	2000 - 2099	PV 3.00
4x0300	Year channel 8 stop month.	1 - 12	PV 3.00
4x0301	Year channel 8 stop date.	1 - 31	PV 3.00
4x0302	Year channel 8 stop hour.	0 - 23	PV 3.00
4x0303	Year channel 8 stop minute.	0 - 59	PV 3.00
4x0304	Filter select.	0 - 3	PV 5.00
	Setting for filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
4x0305	Prefilter select.	0 - 3	PV 5.00
	Setting for prefilter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
4x0306	SA prefilter alarm limit.	50-300Pa	PV 5.00
	Supply air prefilter pressure alarm limit setting.		
4x0307	EA prefilter alarm limit.	50-300Pa	PV 5.00
	Extract air prefilter pressure alarm limit setting.		
4x0308	Prefilter calibration mode.	0 - 3	PV 5.00
	Setting for required filter calibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter.		
4x0309	Xzone reheat function.	0 - 4	PV 5.00
	Setting for Xzone reheat function. 0=Inactive. 1=El. coil P/P. 2=El. coil 0-10V. 3=Water coil with FP. 4=Water coil without FP.		

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0310	Xzone cooling function.	0 - 5	PV 5.00
	Setting for Xzone cooling function. 0=Inactive. 1=0-10V. 2=10-0V. 3=On/off 1. 4=On/off 2. 5=On/off 3.		
4x0311	Xzone temperature reg. Neutral zone.	0.50-10.00°C	PV 5.00
	Xzone neutral zone setting before shift between heating and cooling.		
4x0312	Xzone temperature regulation mode.	0 - 3	PV 5.00
	Setting of Xzone temperature regulation type. 0=ERS 1 reg. 1=ERS 2 reg. 2=SA reg. 3=EA/Room reg.		
4x0313	Xzone ERS Step.	1 - 4	PV 5.00
	Setting of Xzone curve when temperature is above breakpoint.		
4x0314	Xzone ERS 1 Diff.	1.00 - 7.00°C	PV 5.00
	Supply air temperature difference setting according to the diagram for Xzone ERS 1.		
4x0315	Xzone ERS 1 Breakpoint.	12.00 - 26.00°C	PV 5.00
	Breakpoint setting according to the diagram for Xzone ERS 1.		
4x0316	Xzone ERS 2 Breakpoint X1.	10.00-38.00°C	PV 5.00
	Breakpoint X1 setting according to the diagram for Xzone ERS 2.		
4x0317	Xzone ERS 2 Breakpoint Y1.	10.00-40.00°C	PV 5.00
	Breakpoint Y1 setting according to the diagram for Xzone ERS 2.		
4x0318	Xzone ERS 2 Breakpoint X2.	11.00-39.00°C	PV 5.00
	Breakpoint X2 setting according to the diagram for Xzone ERS 2.		
4x0319	Xzone ERS 2 Breakpoint Y2.	10.00-40.00°C	PV 5.00
	Breakpoint Y2 setting according to the diagram for Xzone ERS 2.		
4x0320	Xzone ERS 2 Breakpoint X3.	12.00-40.00°C	PV 5.00
	Breakpoint X3 setting according to the diagram for Xzone ERS 2.		
4x0321	Xzone ERS 2 Breakpoint Y3.	10.00-40.00°C	PV 5.00
	Breakpoint Y3 setting according to the diagram for Xzone ERS 2.		
4x0322	Xzone SA Temperature setpoint.	10.00-40.00°C	PV 5.00
	Xzone supply air temperature setting, for supply air temp regulation mode.		
4x0323	Xzone EA/Room Temperature setpoint.	10.00-40.00°C	PV 5.00
	Xzone extract air/room temperature setting, for extract air/room temp regulation mode.		
4x0324	Xzone SA Min temp setpoint.	8.00-20.00°C	PV 5.00
	Xzone supply air min.setpoint during EA/room regulation mode.		
4x0325	Xzone SA Max temp setpoint.	16.00-50.00°C	PV 5.00

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	Xzone supply air max.setpoint during EA/room regulation mode.		
4x0326	Preheating function.	0 - 4	PV 5.00
	Setting of preheating function. 0=Inactive. 1=El. coil P/P. 2=El. coil 0-10V. 3=Water coil with FP. 4=Water coil without FP.		
4x0327	Preheating setpoint.	-30.00-30.00°C	PV 5.00
	Setting of preheating temperature setpoint.		
4x0328	Xzone P-band.	1.00-40.00	PV 5.00
	Xzone regulator P-band setting.		
4x0329	Xzone SA reheat C-factor.	0.000 - 2.500	PV 5.00
	Xzone supply air reheat regulator affection setting.		
4x0330	Xzone SA cooling C-factor.	0.000 - 2.500	PV 5.00
	Xzone supply air cooling regulator affection setting.		
4x0331	Xzone EA reheat C-factor.	0.000 - 2.500	PV 5.00
	Xzone extract air reheat regulator affection setting.		
4x0332	Xzone EA cooling C-factor.	0.000 - 2.500	PV 5.00
	Xzone extract air cooling regulator affection setting.		
4x0333	Xzone SA min P-band.	1.00 - 40.00	PV 5.00
	Xzone supply air min regulator P-band setting.		
4x0334	Xzone SA min C-factor.	0.000 - 2.500	PV 5.00
	Xzone supply air min regulator affection setting.		
4x0335	Xzone SA max P-band.	1.00 - 40.00	PV 5.00
	Xzone supply air max regulator P-band setting.		
4x0336	Xzone SA max C-factor.	0.000 - 2.500	PV 5.00
	Xzone supply air min regulator affection setting.		
4x0337	Preheat P-band.	1.00 - 40.00	PV 5.00
	Preheat regulator P-band setting.		
4x0338	Preheat C-factor.	0.000 - 2.500	PV 5.00
	Preheat regulator affection setting.		
4x0339	ReCO2 CO2 function.	0 - 2	PV 5.00
	Setting of ReCO2 CO2 function. 0=Inactive. 1=CO2. 2=CO2+flow.		
4x0340	ReCO2 CO2 setpoint.	0-100.00%	PV 5.00
	Setting of ReCO2 CO2 setpoint.		
4x0341	ReCO2 cooling function.	0 - 2	PV 5.00
	Setting of ReCO2 cooling function. 0=Inactive. 1=Comfort. 2=Economy.		
4x0342	ReCO2 heating function.	0 - 2	PV 5.00
	Setting of ReCO2 heating function. 0=Inactive. 1=Comfort. 2=Economy.		
4x0343	ReCO2 min outdoor air.	0-8200l/s	PV 5.00
	Setting of ReCO2 min outdoor air.		
4x0344	ReCO2 min exhaust air.	0-8200l/s	PV 5.00
	Setting of ReCO2 min exhaust air.		
4x0345	ReCO2 CO2 P-band.	1.00 - 100.00	PV 5.00

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	ReCO2 CO2 regulator P-band setting.		
4x0346	ReCO2 CO2 C-factor.	0.000 - 5.000	PV 5.00
	ReCO2 CO2 regulator affection setting.		
4x0347	ReCO2 CO2 flow C-factor.	0.000 - 5.000	PV 5.00
	ReCO2 flow regulator affection setting.		
4x0348	ReCO2 heating C-factor.	0.000 - 5.000	PV 5.00
	ReCO2 heating regulator affection setting.		
4x0349	ReCO2 cooling C-factor.	0.000 - 5.000	PV 5.00
	ReCO2 cooling regulator affection setting.		
4x0350	AYC function.	0 - 3	PV 5.07
	Setting of AYC function. 0=Inactive. 1=Cool. 2=Heat. 3=Cool+heat.		
4x0351	AYC heat temp set.	10.00-80.00°C	PV 5.07
	Setting of AYC heated water temperature setpoint.		
4x0352	AYC night comp. channel.	1 - 2	PV 5.07
	Setting of AYC night compensation channel. 1=Channel 1. 2=Channel 2.		
4x0353	AYC channel start hour.	0-23h	PV 5.07
	Setting of AYC channel start time (hour).		
4x0354	AYC channel start minute.	0-59min	PV 5.07
	Setting of AYC channel start time (minute).		
4x0355	AYC channel stop hour.	0-23h	PV 5.07
	Setting of AYC channel stop time (hour).		
4x0356	AYC channel stop minute.	0-59min	PV 5.07
	Setting of AYC channel stop time (minute).		
4x0357	AYC channel period.	0-10	PV 5.07
	Setting of AYC channel period. 0=Inactive 1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday..Friday 9=Monday..Sunday 10=Saturday..Sunday		
4x0358	AYC heat P-band.	1.00 - 40.00	PV 5.07
	AYC heat regulator P-band setting.		
4x0359	AYC heat C-factor.	0.000 - 2.500	PV 5.07
	AYC heat regulator affection setting.		
4x0360	AYC cool P-band.	1.00 - 40.00	PV 5.07
	AYC cool regulator P-band setting.		
4x0361	AYC cool C-factor.	0.000 - 2.500	PV 5.07
	AYC cool regulator affection setting.		
4x0362	AYC heat out comp. X1.	-40.00-40.00°C	PV 5.07
	AYC outdoor compensation of heated water, outdoor temp X1 setting.		
4x0363	AYC heat out comp. Y1.	10.00-80.00°C	PV 5.07

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	AYC outdoor compensation of heated water, heated water temp Y1 setting.		
4x0364	AYC heat out comp. X2.	-40.00-40.00°C	PV 5.07
	AYC outdoor compensation of heated water, outdoor temp X2 setting.		
4x0365	AYC heat out comp. Y2.	10.00-80.00°C	PV 5.07
	AYC outdoor compensation of heated water, heated water temp Y2 setting.		
4x0366	AYC heat out comp. X3.	-40.00-40.00°C	PV 5.07
	AYC outdoor compensation of heated water, outdoor temp X3 setting.		
4x0367	AYC heat out comp. Y3.	10.00-80.00°C	PV 5.07
	AYC outdoor compensation of heated water, heated water temp Y3 setting.		
4x0368	AYC heat room comp. temp limit.	0.00-40.00°C	PV 5.07
	AYC room compensation of heated water, heated water temp limit setting.		
4x0369	AYC heat room comp P-band.	1.00-10.00°C	PV 5.07
	AYC room compensation of heated water, heated water P-band setting.		
4x0370	AYC heat night comp temp.	-10.00-10.00°C	PV 5.07
	AYC night compensation of heated water, heated water night setting.		
4x0371	AYC heat pump on temp.	-40.00-40.00°C	PV 5.07
	AYC pump operation of heated water, outdoor temp start setting.		
4x0372	AYC heat pump off temp.	-40.00-40.00°C	PV 5.07
	AYC pump operation of heated water, outdoor temp stop setting.		
4x0373	AYC heat pump alarm.	0 - 3	PV 5.07
	Setting for selecting the AYC heated water pump alarm function. 0=Inactive. 1=Open. 2=Closed. 3=Contactor.		
4x0374	AYC heat per op function.	0 - 3	PV 5.07
	Setting for selecting the AYC heated water periodic operation function. 0=Inactive. 1=Pump. 2=Pump+valve. 3=Valve.		
4x0375	AYC heat per op time.	0-60min	PV 5.07
	AYC periodic operation of heated water, time (minute) setting.		
4x0376	AYC heat per op interval.	0-168h	PV 5.07
	AYC periodic operation of heated water, interval time (hour) setting.		
4x0377	AYC cool out comp. X1.	-40.00-40.00°C	PV 5.07
	AYC outdoor compensation of chilled water, outdoor temp X1 setting.		
4x0378	AYC cool out comp. Y1.	10.00-80.00°C	PV 5.07
	AYC outdoor compensation of chilled water, chilled water temp Y1 setting.		

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
4x0379	AYC cool out comp. X2. AYC outdoor compensation of chilled water, outdoor temp X2 setting.	-40.00-40.00°C	PV 5.07
4x0380	AYC cool out comp. Y2. AYC outdoor compensation of chilled water, chilled water temp Y2 setting.	10.00-80.00°C	PV 5.07
4x0381	AYC cool out comp. X3. AYC outdoor compensation of chilled water, outdoor temp X3 setting.	-40.00-40.00°C	PV 5.07
4x0382	AYC cool out comp. Y3. AYC outdoor compensation of chilled water, chilled water temp Y3 setting.	10.00-80.00°C	PV 5.07
4x0383	AYC cool room comp. temp limit. AYC room compensation of chilled water, chilled water temp limit setting.	0.00-40.00°C	PV 5.07
4x0384	AYC cool room comp. P-band. AYC room compensation of chilled water, chilled water P-band setting.	1.00-10.00°C	PV 5.07
4x0385	AYC cool night comp temp. AYC night compensation of chilled water, chilled water night setting.	-10.00-10.00°C	PV 5.07
4x0386	AYC cool pump on temp. AYC pump operation of chilled water, outdoor temp start setting.	-40.00-40.00°C	PV 5.07
4x0387	AYC cool pump off temp. AYC pump operation of chilled water, outdoor temp stop setting.	-40.00-40.00°C	PV 5.07
4x0388	AYC cool pump alarm. Setting for selecting the AYC chilled water pump alarm function. 0=Inactive. 1=Open. 2=Closed. 3=Contactor.	0 - 3	PV 5.07
4x0389	AYC cool per op function. Setting for selecting the AYC chilled water periodic operation function. 0=Inactive. 1=Pump. 2=Pump+valve. 3=Valve.	0 - 3	PV 5.07
4x0390	AYC cool per op time. AYC periodic operation of chilled water, time (minute) setting.	0-60min	PV 5.07
4x0391	AYC cool per op interval. AYC periodic operation of chilled water, interval time (hour) setting.	0-168h	PV 5.07
4x0392	IO-mod 3 output 1 function.	0 - 10	PV 5.07

Holding Registers. 16-bit integer value (R/W).

Modbus	Name	Min/Max	Misc
	Setting of I/O-module no. 3 relay 1 output. 0=Cooling boost. 1=Heating boost. 2=Cooling. 3=Heat exchange. 4=Reheat. 5=Down regulation. 6=Effect reduction. 7=Intermittent night heat. 8=Summer night cooling. 9=Morning boost. 10=Heat exchange defrost.		
4x0393	IO-mod 3 output 2 function.	0 - 10	PV 5.07
	Setting of I/O-module no. 3 relay 2 output. 0=Cooling boost. 1=Heating boost. 2=Cooling. 3=Heat exchange. 4=Reheat. 5=Down regulation. 6=Effect reduction. 7=Intermittent night heat. 8=Summer night cooling. 9=Morning boost. 10=Heat exchange defrost.		
4x0394	Humid reg. func.	0 - 2	PV 5.10
	Setting for selecting humidifying function. 0=Inactive. 1=Supply air. 2=Extract air.		
4x0395	Humid reg. Start.	10.00-90.00%	PV 5.10
	Humidifying start limit setting.		
4x0396	Humid reg. Stop.	15.00-95.00%	PV 5.10
	Humidifying stop limit setting.		
4x0397	Min/Max/Average SensNumber	1 - 4	PV 5.15
	Setting for selecting numbers of sensors to the Min/Max/Average function.		
4x0398	Min/Max/Average SensFunction	0 - 2	PV 5.15
	Setting for selecting sensor function. 0=Min. 1=Max. 2=Average.		