

Modbus RTU/TCP

COMPACT sizes 02-03,

program version 1.00 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 formats

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 COMPACT 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	Preset Single Register
08	Diagnostics. Sub-function 00 Only - Return Query Data (loop back).
15	Force multiple coils
16	Preset Multiple Registers

Coil Status. 1 bit (R/W).

Modbus	Name	Min/Max	Misc
0x0001	alarm reset	0-1	
	Resets tripped alarms.		
0x0002	Reserve		
0x0003	Reserve		
0x0004	R.HX. Defrost func.	0-1	
	Setting for activating the defrost function for the rotary heat exchanger. 0= Inactive. 1= Active.		
0x0005	Reserve		
0x0006	Reserve		
0x0007	Reserve		
0x0008	Cool operation mode	0-1	
	Setting for cooling between off and auto operation. 0= Inactive. 1= Auto operation.		
0x0009	Int. Night heat func.	0-1	
	Setting for activating the intermittent night heat function. 0= Inactive. 1= Active.		
0x0010	Damper func.	0-1	
	Setting for activating the damper output relay during int. night heat. 0= Inactive. 1= Active.		
0x0011	Summer night cooling	0-1	
	Setting for activating the summer night cool function. 0= Inactive. 1= Active.		
0x0012	Reserve		
0x0013	Outdoor temp compensation	0-1	
	Setting for activating the outdoor temperature compensation function. 0= Inactive. 1= Active.		
0x0014	Outdoor airflow compensation	0-1	
	Setting for activating the outdoor airflow compensation function. 0= Inactive. 1= Active.		
0x0015	Auto. Summer/winter switch	0-1	
	Setting for activating the automatic switch between summer/winter time function. 0= Inactive. 1= Active.		
0x0016	Switch clock func.	0-1	
	Setting for switch clock function type. 0=Stop - low speed - high speed. 1=Low speed - high speed.		
0x0017	Internal fire alarm func.	0-1	
	Setting for activating the internal fire alarm function. 0= Inactive. 1= Active.		

0x0018	Reserve		
0x0019	External alarm 1 active at closure	0-1	
	Setting for external alarm number 1 condition to be activated. 0=Alarm at closed input. 1=Alarm at open input.		
0x0020	External alarm 2 active at closure	0-1	
	Setting for external alarm number 2 condition to be activated. 0=Alarm at closed input. 1=Alarm at open input.		
0x0021	Reserve		
0x0022	Reserve		
0x0023	Reserve		
0x0024	External fire alarm func.	0-1	
	Setting for external fire resetting function. 0=Manual. 1=Automatic.		
0x0025	External alarm 1 func.	0-1	
	Setting for external alarm 1 resetting function. 0=Manual. 1=Automatic.		
0x0026	External alarm 2 func.	0-1	
	Setting for external alarm 2 resetting function. 0=Manual. 1=Automatic.		
0x0027	Reserve	0-1	
0x0028	Reserve	0-1	
0x0029	Morningboost damper func.	0-1	
	Setting for activating the morningboost damper function. 0= Inactive. 1= Active.		
0x0030	Morningboost extract func.	0-1	
	Setting for activating the morningboost extract air fan function. 0= Inactive. 1= Active.		
0x0031	Filter func.	0-1	
	Setting for filter between calculated and pressure sensors. 0=Calculated. 1=Pressure sensors.		
0x0032	Iqnomiq Plus module no.6 Cooling	0-1	
	Setting for activating Iqnomiq Plus no.6 Cooling module. 0=Inactive. 1=Active.		
0x0033	Airing auto func.	0-1	
	Setting for activating the airing auto function. 0=Inactive. 1=Active.		

Input Status. 1 bit (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	Reserve		

1x0023	Reserve		
1x0024	Reserve		
1x0025	R.HX rotation monitor	0-1	
	Status from the rotation detector.		
1x0026	Reserve		
1x0027	Reserve		
1x0028	Reserve		
1x0029	Pre-heat output	0-1	
	Status for relay output.		
1x0030	Recirculation output	0-1	
	Status for relay output.		
1x0031	Booster output	0-1	
	Status for relay output.		
1x0032	Reserve		
1x0033	Reserve		
1x0034	Reserve		
1x0035	Reserve		
1x0036	Reserve		
1x0037	Reserve		
1x0038	Reserve		
1x0039	Reserve		
1x0040	Reserve		
1x0041	Reserve		
1x0042	Reserve		
1x0043	Reserve		
1x0044	Reserve		
1x0045	Reserve		

1x0046	Reserve		
1x0047	Reserve		
1x0048	Reserve		
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.		
1x0052 ...1x0247	...		
	...		
1x0248	Alarm number 200	0-1	
	Status if alarm number 200 is active.		
1x0249	Info number 1	0-1	
	Status if info number 1 is active.		
1x0250	Info number 2	0-1	
	Status if info number 2 is active.		
1x0251	Info number 3	0-1	
	Status if info number 3 is active.		
1x0252 ...1x0347	...		
	...		
1x0348	Info number 100	0-1	
	Status if info number 100 is active.		

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

Modbus	Name	Min/Max	Misc
3x0001	SA Airflow	0-360l/s	
	Present supply airflow.		
3x0002	SA Airflow regulator	0-360l/s	
	Present supply airflow regulator setpoint.		
3x0003	EA Airflow	0-360l/s	
	Present extract airflow.		
3x0004	EA Airflow regulator	0-360l/s	
	Present extract airflow regulator setpoint.		
3x0005	SA Duct pressure	0-750Pa	
	Present supply air duct pressure.		
3x0006	SA Duct pressure regulator	0-750Pa	
	Present supply air duct pressure regulator setpoint.		
3x0007	EA Duct pressure	0-750Pa	
	Present extract air duct pressure.		
3x0008	EA Duct pressure regulator	0-750Pa	
	Present extract air duct pressure regulator setpoint.		
3x0009	Reserve		
3x0010	SA VAV demand regulator	0-100.00%	
	Present supply air VAV demand regulator setpoint.		
3x0011	Reserve		
3x0012	EA VAV demand regulator	0-100.00%	
	Present supply air VAV demand regulator setpoint.		
3x0013	SA Fan level	0-100.00%	
	Present running level for the supply air fan.		
3x0014	EA Fan level	0-100.00%	
	Present running level for the extract air fan.		
3x0015	SA Fan effect	0-500W	
	Present power consumption level for the supply air fan.		
3x0016	EA Fan effect	0-500W	
	Present power consumption level for the extract air fan.		
3x0017	SFP	0.0-9.9	
	SFP supply air + extract air.		
3x0018	Reserve		
3x0019	Reserve		
3x0020	SA Voltage	0-500V	
	Present voltage level for the supply air fan.		
3x0021	EA Voltage	0-500V	
	Present voltage level for the extract air fan.		
3x0022	SA Current	0-2.000A	
	Present current level for the supply air fan.		

3x0023	EA Current	0-2.000A	
	Present current level for the extract air fan.		
3x0024	SA Airflow pressure	0-3000Pa	
	Present airflow pressure in the supply air fan inlet.		
3x0025	EA Airflow pressure	0-3000Pa	
	Present airflow pressure in the extract air fan inlet.		
3x0026	SA Temp regulator	5.00-60.00°C	
	Present supply air temperature regulator setpoint.		
3x0027	EA Temp regulator	5.00-40.00°C	
	Present extract air temperature regulator setpoint.		
3x0028	SA Temperature	5.00-40.00°C	
	Present supply air temperature.		
3x0029	EA/Room temperature	5.00-40.00°C	
	Present extract air/room temperature in the unit.		
3x0030	Outdoor temperatur	5.00-40.00°C	
	Present outdoor air temperature in the unit.		
3x0031	EA/Room temperature (external)	5.00-40.00°C	
	Present room temperature external from the unit.		
3x0032	Outdoor temperatur (external)	5.00-40.00°C	
	Present outdoor air temperature external from the unit.		
3x0033	Anti frost temperature	5-40.00°C	
	Present anti frost temperature for water reheating coils.		
3x0034	Reserve		
3x0035	Reserve		
3x0036	R. Heat exchange level	0-100.00%	
	Present operation level from rotary heat exchange.		
3x0037	Reheat level	0-100.00%	
	Present level of reheat.		
3x0038	SA Down regulation level	0-100.00%	
	Present level of supply airflow down regulation.		
3x0039	Reserve		
3x0040	Cooling level	0-100.00%	
	Present level of cooling.		
3x0041	Heating boost level	0-100.00%	
	Present level of heating boost.		
3x0042	Cooling boost level	0-100.00%	
	Present level of cooling boost.		
3x0043	HX pressure level	0-1000Pa	
	Present pressure drop for the rotary heat exchanger.		
3x0044	HX pressure alarm limit	0-1000Pa	
	Present pressure drop alarm limit for the rotary heat exchanger.		
3x0045	HX temperature	0-100.00°C	
	Present temperature inside the control unit for the rotary heat exchanger.		

3x0046	Effect reduction level	0-100.00%	
	Present level of max output signal for electrical reheaters, active during low supply airflow.		
3x0047	Anti frost temp setpoint/operation	10.00-16.00°C	
	Present anti frost temperature setpoint for water reheating coils during unit operation.		
3x0048	Anti frost temp setpoint/stop	15.00-40.00°C	
	Present anti frost temperature setpoint for water reheating coils when the unit is in stop.		
3x0049	Anti frost temp alarm limit	5.00-30.00°C	
	Setting of antifrost temperature alarm limit.		
3x0050	Supply air filter pressure level	0-3000Pa	
	Present supply air filter pressure drop.		
3x0051	Supply air filter pressure alarm limit.	0-1000Pa	
	Present supply air filter pressure alarm limit.		
3x0052	Supply air filter pressure level, new	0-1000Pa	
	Supply air filter pressure saved from calibration.		
3x0053	Extract air filter pressure level	0-3000Pa	
	Present extract air filter pressure drop.		
3x0054	Extract air filter pressure alarm limit.	0-1000Pa	
	Present extract air filter pressure alarm limit.		
3x0055	Extract air filter pressure level, new	0-1000Pa	
	Extract air filter pressure saved from calibration.		
3x0056	Reserve		
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	0-1800s	
	Present time between two starts of cool relay 1.		
3x0060	Cool relay 2 restart time	0-1800s	
	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	
	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	
	Present tripped alarm number with highest priority.		
3x0080	Active not tripped alarm no.1	0-200	
	Present active alarm in delay.		
3x0081	Active not tripped alarm no.2	0-200	
	Present active alarm in delay.		
3x0082	Active not tripped alarm no.3	0-200	
	Present active alarm in delay.		
3x0083	SA Fan size	02 - 03	
	Present supply air fan size.		
3x0084	EA Fan size	02 - 03	
	Present extract air fan size.		

3x0085	Operation mode 1	0 - 18,255	
	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. 255=		
3x0086	Operation mode 2	0 - 24	
	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=Cooling pressure reduction. 21=Startup extract air fan. 22=Reserve. 23=Airing. 24=Heating.		
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 exchange regulator	0-100.00%	
	Present level of heat exchange regulator.		
3x0092	Reserve		
3x0093	Reserve		
3x0094	Reserve		
3x0095	Reserve		
3x0096	Reserve		
3x0097	Reserve		
3x0098	Reserve		
3x0099	Reserve		
3x0100	Reserve		
3x0101	Reserve		
3x0102	Reserve		
3x0103	Reserve		
3x0104	Reserve		
3x0105	Reserve		
3x0106	R.HX. Efficiency	0-100.00%	
	Calculated level of rotary heat exchanger efficiency.		
3x0107	Reserve		
3x0108	Reserve		
3x0109	Supply air prefilter pressure level	0-3000Pa	
	Present supply air prefilter pressure drop.		
3x0110	Supply air prefilter pressure alarm limit.	0-1000Pa	
	Present supply air prefilter pressure alarm limit.		

3x0111	Supply air prefilter pressure level, new	0-1000Pa	
	Supply air prefilter pressure saved from calibration.		
3x0112	Extract air prefilter pressure level	0-3000Pa	
	Present extract air prefilter pressure drop.		
3x0113	Extract air prefilter pressure alarm limit.	0-1000Pa	
	Present extract air prefilter pressure alarm limit.		
3x0114	Extract air prefilter pressure level, new	0-1000Pa	
	Extract air prefilter pressure saved from calibration.		
3x0115	Reserve		
3x0116	Reserve		
3x0117	Reserve		
3x0118	Reserve		
3x0119	Reserve		
3x0120	Reserve		
3x0121	Reserve		
3x0122	Reserve		
3x0123	Reserve		
3x0124	Reserve		
3x0125	Pre-heating air temperature	0.00-40.00°C	
	Present pre-heating air temperature.		
3x0126	Pre-heating level	0-100.00%	
	Present level of pre-heating.		
3x0127	Pre-heating anti frost temperature	0-40.00°C	
	Present anti frost temperature for water pre-heating coils.		
3x0128	Reserve		
3x0129	Reserve		
3x0130	Reserve		
3x0131	Reserve		
3x0132	Reserve		
3x0133	Reserve		

3x0134	Preheat operation time	0-30000	
	Present operation time for preheat, measured in minutes and present in days (24h).		
3x0135	Reserve		
3x0136	Reserve		
3x0137	Demand VOC Level	0-100.00%	
	Present level of demand VOC input.		
3x0138	Demand Vin Level	0-100.00%	
	Present level of demand 0-10VDC input.		
3x0139	SA Filter level calculated	0-100.00%	
	Present level of calculated supply air filter.		
3x0140	EA Filter level calculated	0-100.00%	
	Present level of calculated extract air filter.		

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

Modbus	Name	Min/Max	Misc
4x0001	SA Low speed airflow setpoint	0-360l/s	
	Supply airflow setpoint for the unit when running in low speed operation.		
4x0002	SA High speed airflow setpoint	0-360l/s	
	Supply airflow setpoint for the unit when running in high speed operation.		
4x0003	SA Max speed airflow setpoint	0-360l/s	
	Supply airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
4x0004	SA Min speed airflow setpoint	0-360l/s	
	Supply airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.		
4x0005	EA Low speed airflow setpoint	0-360l/s	
	Extract airflow setpoint for the unit when running in low speed operation.		
4x0006	EA High speed airflow setpoint	0-360l/s	
	Extract airflow setpoint for the unit when running in high speed operation.		
4x0007	EA Max speed airflow setpoint	0-360l/s	
	Extract airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
4x0008	EA Min speed airflow setpoint	0-360l/s	
	Extract airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.		
4x0009	SA Low speed pressure setpoint	0-750Pa	
	Supply air duct pressure setpoint for the unit when running in low speed operation.		
4x0010	SA High speed pressure setpoint	0-750Pa	
	Supply air duct pressure for the unit when running in high speed operation.		
4x0011	SA Max speed output signal	10.00-100.00%	
	Max. limit for the supply air fan speed when running in pressure regulation mode.		
4x0012	SA Max speed pressure setpoint	0-750Pa	
	Supply air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
4x0013	EA Low speed pressure setpoint	0-750Pa	
	Extract air duct pressure setpoint for the unit when running in low speed operation.		
4x0014	EA High speed pressure setpoint	0-750Pa	
	Extract air duct pressure setpoint for the unit when running in high speed operation.		
4x0015	EA Max speed output signal	10.00-100.00%	
	Max. limit for the extract air fan speed when running in pressure regulation mode.		

4x0016	EA Max speed pressure setpoint	0-750Pa	
	Extract air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
4x0017	SA Low speed demand setpoint	0-100.00%	
	Supply air setpoint for the 0-10V input signal on terminal 35..37 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 35..37 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 35..37 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 35..37 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.		
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	10.00-30.00°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	
	Supply air temperature regulator P-band setting.		
4x0046	EA/Room Temperature P-band	1.00 - 40.00	
	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	Reserve		
4x0052	Reserve		
4x0053	Reserve		
4x0054	Reserve		

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	
	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	Reserve		
4x0063	Reserve		
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	0-360l/s	
	Supply air min. air flow setting for cooling.		
4x0071	EA Cool min air flow	0-360l/s	
	Extract air min. air flow setting for cooling.		
4x0072	Heating boost start limit	2.00-10.00°C	
	Heating boost start temperature limit.		
4x0073	Cooling boost start limit	2.00-10.00°C	
	Cooling boost (comfort) start temperature limit.		
4x0074	SA Filter alarm limit	0-1000Pa	
	Supply air filter pressure alarm limit setting.		

4x0075	EA Filter alarm limit	0-1000Pa	
	Extract air filter pressure alarm limit setting.		
4x0076	Int. Night heat room start temp	5.00-40.00°C	
	Intermittent night heat function, extract air temperature setting for start.		
4x0077	Int. Night heat room stop temp	5.00-40.00°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	0-360l/s	
	Intermittent night heat function, supply airflow setpoint during night heat.		
4x0080	Int. Night heat EA airflow setpoint	0-360l/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.		
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	Reserve		

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	
	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 - 1500s	
	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 - 4	
	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		
4x0106	Heating boost regulation mode.	0 - 1	
	Setting for heating boost function. 0=Inactive. 1=Active.		
4x0107	Cooling boost regulation mode.	0 - 5	
	Setting of cooling boost regulation type. 0=Inactive. 1=Comfort. 2=Economy. 3=Sequence. 4=Comfort+economy 5=Economy+sequence		

4x0108	Filter calibration mode	0 - 4	
	Setting for required filtercalibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter. 4=HX.		
4x0109	Air adjustment time, minutes	0 - 1728	
	Setting for amount of minutes to air adjustment function.		
4x0110	Air adjustment time, hours	0 - 72	
	Setting for amount of hours to air adjustment function.		
4x0111	Handterminal language	0 - 18	
	0=Svenska 1=Norsk 2=Dansk 3=Suomi 4=English 5=Francaise 6=Deutsch 7=Polski 8=Cesky 9=Italiano 10=Espanol 11=Portugues 12=Русский 13=Eesti 14=Latviesu 15=Lietiviu 16=Nederlands 17=Hungarian 18=Turkce		
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	Reserve		
4x0117	Reserve		
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	
	Setting of air flow unit presented in the unit's handterminal and WEB. 0=l/s. 1=m3/s. 2=m3/h.		
4x0124	Reserve		
4x0125	Year	2000-2100	
	Setting for the unit's internal clock.		
4x0126	Month	1-12	
	Setting for the unit's internal clock.		
4x0127	Date	0-31	
	Setting for the unit's internal clock.		
4x0128	Hour	0-23	
	Setting for the unit's internal clock.		
4x0129	Minute	0-59	
	Setting for the unit's internal clock.		
4x0130	Second	0-59	
	Setting for the unit's internal clock.		
4x0131	Time channel 1 status	0-10,16-26	
	Low speed Högfart 0=Deactive 16=Deactive 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		
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	
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	
	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 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	
	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	
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
4x0185	Cool relay 1 periodic func.	0-3	
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
4x0186	Cool relay 2 periodic func.	0-3	
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
4x0187	Slave control C-factor	0.500 - 1.500	
	Slave regulator affection setting.		
4x0188	Reserve		
4x0189	Reserve		
4x0190	Reserve		
4x0191	Reserve		
4x0192	Reserve		
4x0193	Reserve		
4x0194	Reserve		

4x0195	Reserve		
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	
	Setting of periodic op. time (minute).		
4x0199	Cool interval	0-168h	
	Setting of cool interval time (hour).		
4x0200	Reserve		
4x0201	EA/Room temperature (external) func.	0-2	
	Setting of EA/Room temperature (external) function. 0= Inactive. 1= IQnomic. 2= Communication (4x0202).		
4x0202	EA/Room temperature com.	-55.00-125.00°C	
	Setting of EA/Room temperature via communication.		
4x0203	Outdoor temperature (external) func.	0-2	
	Setting of outdoor temperature (external) function. 0= Inactive. 1= IQnomic. 2= Communication (4x0204).		
4x0204	Outdoor temperature com.	-55.00-125.00°C	
	Setting of outdoor temperature via communication.		
4x0205	Timeout temperature com.	0-9999min	
	Setting of timeout for temperature via communication (4x0202, 4x0204).		
4x0206	Flow at fire function.	0-3	
	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	
	Setting for activating the air fan down regulation function 0= Inactive. 1= SA. 2= SA+EA.		
4x0208	SA speed at fire.	10.00-100.00%	
	Setting of supply air speed at fire.		
4x0209	EA speed at fire.	10.00-100.00%	
	Setting of extract air speed at fire.		
4x0210	Reserve		
4x0211	Reserve		
4x0212	Supply air min P-band.	1.00 - 40.00	
	Supply air min regulator P-band setting.		

4x0213	Supply air min C-factor.	0.000 - 2.500	
	Supply air min regulator affection setting.		
4x0214	Supply air max P-band.	1.00 - 40.00	
	Supply air max regulator P-band setting.		
4x0215	Supply air max C-factor.	0.000 - 2.500	
	Supply air max regulator affection setting.		
4x0216	Year channel 1 function.	0 - 3	
	0 = Inactive. 1 = Stop. 2 = Low speed. 3 = High speed.		
4x0217	Year channel 1 start year.	2000 - 2099	
4x0218	Year channel 1 start month.	1 - 12	
4x0219	Year channel 1 start date.	1 - 31	
4x0220	Year channel 1 start hour.	0 - 23	
4x0221	Year channel 1 start minute.	0 - 59	
4x0222	Year channel 1 stop year.	2000 - 2099	
4x0223	Year channel 1 stop month.	1 - 12	
4x0224	Year channel 1 stop date.	1 - 31	
4x0225	Year channel 1 stop hour.	0 - 23	
4x0226	Year channel 1 stop minute.	0 - 59	
4x0227	Year channel 2 function.	0 - 3	
4x0228	Year channel 2 start year.	2000 - 2099	
4x0229	Year channel 2 start month.	1 - 12	
4x0230	Year channel 2 start date.	1 - 31	
4x0231	Year channel 2 start hour.	0 - 23	
4x0232	Year channel 2 start minute.	0 - 59	
4x0233	Year channel 2 stop year.	2000 - 2099	
4x0234	Year channel 2 stop month.	1 - 12	
4x0235	Year channel 2 stop date.	1 - 31	
4x0236	Year channel 2 stop hour.	0 - 23	
4x0237	Year channel 2 stop minute.	0 - 59	
4x0238	Year channel 3 function.	0 - 3	
4x0239	Year channel 3 start year.	2000 - 2099	
4x0240	Year channel 3 start month.	1 - 12	
4x0241	Year channel 3 start date.	1 - 31	
4x0242	Year channel 3 start hour.	0 - 23	
4x0243	Year channel 3 start minute.	0 - 59	
4x0244	Year channel 3 stop year.	2000 - 2099	
4x0245	Year channel 3 stop month.	1 - 12	
4x0246	Year channel 3 stop date.	1 - 31	
4x0247	Year channel 3 stop hour.	0 - 23	
4x0248	Year channel 3 stop minute.	0 - 59	
4x0249	Year channel 4 function.	0 - 3	
4x0250	Year channel 4 start year.	2000 - 2099	
4x0251	Year channel 4 start month.	1 - 12	
4x0252	Year channel 4 start date.	1 - 31	
4x0253	Year channel 4 start hour.	0 - 23	

4x0254	Year channel 4 start minute.	0 - 59	
4x0255	Year channel 4 stop year.	2000 - 2099	
4x0256	Year channel 4 stop month.	1 - 12	
4x0257	Year channel 4 stop date.	1 - 31	
4x0258	Year channel 4 stop hour.	0 - 23	
4x0259	Year channel 4 stop minute.	0 - 59	
4x0260	Year channel 5 function.	0 - 3	
4x0261	Year channel 5 start year.	2000 - 2099	
4x0262	Year channel 5 start month.	1 - 12	
4x0263	Year channel 5 start date.	1 - 31	
4x0264	Year channel 5 start hour.	0 - 23	
4x0265	Year channel 5 start minute.	0 - 59	
4x0266	Year channel 5 stop year.	2000 - 2099	
4x0267	Year channel 5 stop month.	1 - 12	
4x0268	Year channel 5 stop date.	1 - 31	
4x0269	Year channel 5 stop hour.	0 - 23	
4x0270	Year channel 5 stop minute.	0 - 59	
4x0271	Year channel 6 function.	0 - 3	
4x0272	Year channel 6 start year.	2000 - 2099	
4x0273	Year channel 6 start month.	1 - 12	
4x0274	Year channel 6 start date.	1 - 31	
4x0275	Year channel 6 start hour.	0 - 23	
4x0276	Year channel 6 start minute.	0 - 59	
4x0277	Year channel 6 stop year.	2000 - 2099	
4x0278	Year channel 6 stop month.	1 - 12	
4x0279	Year channel 6 stop date.	1 - 31	
4x0280	Year channel 6 stop hour.	0 - 23	
4x0281	Year channel 6 stop minute.	0 - 59	
4x0282	Year channel 7 function.	0 - 3	
4x0283	Year channel 7 start year.	2000 - 2099	
4x0284	Year channel 7 start month.	1 - 12	
4x0285	Year channel 7 start date.	1 - 31	
4x0286	Year channel 7 start hour.	0 - 23	
4x0287	Year channel 7 start minute.	0 - 59	
4x0288	Year channel 7 stop year.	2000 - 2099	
4x0289	Year channel 7 stop month.	1 - 12	
4x0290	Year channel 7 stop date.	1 - 31	
4x0291	Year channel 7 stop hour.	0 - 23	
4x0292	Year channel 7 stop minute.	0 - 59	
4x0293	Year channel 8 function.	0 - 3	
4x0294	Year channel 8 start year.	2000 - 2099	
4x0295	Year channel 8 start month.	1 - 12	
4x0296	Year channel 8 start date.	1 - 31	
4x0297	Year channel 8 start hour.	0 - 23	
4x0298	Year channel 8 start minute.	0 - 59	
4x0299	Year channel 8 stop year.	2000 - 2099	
4x0300	Year channel 8 stop month.	1 - 12	

4x0301	Year channel 8 stop date.	1 - 31	
4x0302	Year channel 8 stop hour.	0 - 23	
4x0303	Year channel 8 stop minute.	0 - 59	
4x0304	Filter select.	0 - 3	
	Setting for filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
4x0305	Prefilter select.	0 - 3	
	Setting for prefilter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
4x0306	SA prefilter alarm limit.	10-1000Pa	
	Supply air prefilter pressure alarm limit setting.		
4x0307	EA prefilter alarm limit.	10-1000Pa	
	Extract air prefilter pressure alarm limit setting.		
4x0308	Prefilter calibration mode.	0 - 3	
	Setting for requiered filtercalibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter.		
4x0309	Reserve		
4x0310	Reserve		
4x0311	Reserve		
4x0312	Reserve		
4x0313	Reserve		
4x0314	Reserve		
4x0315	Reserve		
4x0316	Reserve		
4x0317	Reserve		
4x0318	Reserve		
4x0319	Reserve		
4x0320	Reserve		
4x0321	Reserve		

4x0322	Reserve		
4x0323	Reserve		
4x0324	Reserve		
4x0325	Reserve		
4x0326	Preheating function.	0 - 4	
	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	
	Setting of preheating temperature setpoint.		
4x0328	Reserve		
4x0329	Reserve		
4x0330	Reserve		
4x0331	Reserve		
4x0332	Reserve		
4x0333	Reserve		
4x0334	Reserve		
4x0335	Reserve		
4x0336	Reserve		
4x0337	Preheat P-band.	1.00 - 40.00	
	Preheat regulator P-band setting.		
4x0338	Preheat C-factor.	0.000 - 2.500	
	Preheat regulator affection setting.		
4x0339	Reserve		
4x0340	Reserve		
4x0341	Reserve		
4x0342	Reserve		
4x0343	Reserve		

4x0344	Reserve		
4x0345	Reserve		
4x0346	Reserve		
4x0347	Reserve		
4x0348	Reserve		
4x0349	Reserve		
4x0350	SA Filter calculated alarm level	5.00-20.00%	
	Supply air filter calculated alarm limit setting.		
4x0351	EA Filter calculated alarm level	5.00-20.00%	
	Extract air filter calculated alarm limit setting.		
4x0352	Mode digital output relay 1	0-8	
	Setting of mode output relay 1 function. 0=Damper. 1=Operation. 2=Low speed. 3=High speed. 4=Alarm A. 5=Alarm B. 6=Heating. 7=Cooling 1. 8=Cooling 2.		
4x0353	Mode digital output relay 2	0-8	
	Setting of mode output relay 2 function. 0=Damper. 1=Operation. 2=Low speed. 3=High speed. 4=Alarm A. 5=Alarm B. 6=Heating. 7=Cooling 1. 8=Cooling 2.		
4x0354	Mode digital input 1	0-6	
	Setting of mode input 1 function. 0=Stop. 1=Low speed. 2=High speed. 3=Alarm 1. 4=Alarm 2. 5=Reset. 6=Fire.		

4x0355	Mode digital input 2	0-6	
	Setting of mode input 2 function. 0=Stop. 1=Low speed. 2=High speed. 3=Alarm 1. 4=Alarm 2. 5=Reset. 6=Fire.		
4x0356	Manual morning boost time hour	0-23	
	Setting of manual morning boost time before normal operation.		
4x0357	Manual morning boost time minutes	0-59	
	Setting of manual morning boost time before normal operation.		
4x0358	Airing temp set	10.00-20.00	
	Setting of airing temperature setpoint.		
4x0359	Airing time set	10-60	
	Setting of airing time in minutes.		
4x0360	Manual operation drift mode	0-4	
	Setting of manual operation drift mode. 0=Normal operation. 1=Extended operation. 2=Airing. 3=Heating. 4=Heating+Recirc.		

