

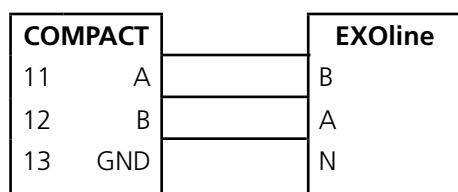
EXOLINE GATEWAY

COMPACT sizes 02-03,

program version 1.00 and newer versions

Overview

The COMPACT air handling unit will be an EXOline slave, and will be connected to the network with two-wire RS485. The EXOline master shall set timeout to 1 (64 ms). The most common settings are baudrate 9600, parity odd and stop bits 1.



Slave address (PLA, ELA)

The slave address of an EXOline slave consists of two bytes PLA and ELA.

EXOline Data formats

EXOline data types that will be used:

EXOline Type	Description
Logical var.	1 bit Discrete value
Index var.	One byte unsigned value
Real var.	Floating point value

Supported EXOline commands.

The COMPACT air handling unit supports these EXOline commands.

Opc	Hex	Dec	Interpretation	Data	Answer
SLV	01	1	Set logical var.	DLn Cell Value	Ok!
SLP	2F	47	Set logic segment var.	DLn Seg Offs Value	Ok!
SXV	02	2	Set index var.	DLn Cell Value	Ok!
SXP	B0	176	Set index segment var.	DLn Seg Offs Value	Ok!
SRV	04	4	Set real var.	DLn Cell Value (4)	Ok!
SRP	32	50	Set real segment var.	DLn Seg Offs Value (4)	Ok!
RLV	86	134	Read logical var.	DLn Cell	Value
RLP	B3	179	Read logic segment var.	DLn Seg Offset	Value
RXV	07	7	Read index var.	DLn Cell	Value
RXP	34	52	Read index segment var.	DLn Seg Offset	Value
RRV	89	137	Read real var.	DLn Cell	Value (4)
RRP	B6	182	Read real segment var.	DLn Seg Offset	Value (4)
READV	10	16	Read Vpac page.	DLn DPn	Data (n)

Return error codes

The following error codes will be used.

Error code	Error	Fault that can occur
01h	Wrong data type	Accessing Cell with wrong data type.
07h	The DPac does not exist.	Accessing a Dpac that's not used.
19h	Illegal parameter value	Try to write to an "Read only" or value is out of range.
25h	Illegal cell number	Accessing Cell number that is not first Cell of a real var. Accessing Cell number that is not used.
26h	Illegal command	Command not supported
27h	Illegal message length	Wrong message length for command.
04h	Illegal DPac load number	
05h	The DPac (or DPac segment) does not exist	

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
1	0	SA Airflow	0-360l/s	
		Present supply airflow.		
2	3	SA Airflow regulator	0-360l/s	
		Present supply airflow regulator setpoint.		
3	6	EA Airflow	0-360l/s	
		Present extract airflow.		
4	9	EA Airflow regulator	0-360l/s	
		Present extract airflow regulator setpoint.		
5	12	SA Duct pressure	0-750Pa	
		Present supply air duct pressure.		
6	15	SA Duct pressure regulator	0-750Pa	
		Present supply air duct pressure regulator setpoint.		
7	18	EA Duct pressure	0-750Pa	
		Present extract air duct pressure.		
8	21	EA Duct pressure regulator	0-750Pa	
		Present extract air duct pressure regulator setpoint.		
9	24	Reserve		
10	27	SA VAV demand regulator	0-100.00%	
		Present supply air VAV demand regulator setpoint.		
11	30	Reserve		
12	33	EA VAV demand regulator	0-100.00%	
		Present supply air VAV demand regulator setpoint.		
13	36	SA Fan level	0-100.00%	
		Present running level for the supply air fan.		
14	39	EA Fan level	0-100.00%	
		Present running level for the extract air fan.		
15	42	SA Temp regulator	5.00-60.00°C	
		Present supply air temperature regulator setpoint.		
16	45	EA Temp regulator	5.00-40.00°C	
		Present extract air temperature regulator setpoint.		
17	48	SA Temperature	5.00-40.00°C	
		Present supply air temperature.		
18	51	EA/Room temperature	5.00-40.00°C	
		Present extract air/room temperature in the unit.		
19	54	Outdoor temperatur	5.00-40.00°C	
		Present outdoor air temperature in the unit.		
20	57	EA/Room temperature (external)	5.00-40.00°C	
		Present room temperature external from the unit.		
21	60	Outdoor temperatur (external)	5.00-40.00°C	
		Present outdoor air temperature external from the unit.		
22	63	Anti frost temperature	5-40.00°C	
		Present anti frost temperature for water reheating coils.		

23	66	Reserve		
24	69	Reserve		
25	72	Heat exchange regulator	0-100.00%	
		Present level of heat exchange regulator.		
26	75	Reheat level	0-100.00%	
		Present level of reheat.		
27	78	SA Down regulation level	0-100.00%	
		Present level of supply airflow down regulation.		
28	81	Reserve		
29	84	Cooling level	0-100.00%	
		Present level of cooling.		
30	87	Heating boost level	0-100.00%	
		Present level of heating boost.		
31	90	Cooling boost level	0-100.00%	
		Present level of cooling boost.		
32	93	Effect reduction level	0-100.00%	
		Present level of max output signal for electrical reheaters, active during low supply airflow.		
33	96	Supply air filter pressure level	0-3000Pa	
		Present supply air filter pressure drop.		
34	99	Supply air filter pressure alarm limit.	0-1000Pa	
		Present supply air filter pressure alarm limit.		
35	102	Extract air filter pressure level	0-3000Pa	
		Present extract air filter pressure drop.		
36	105	Extract air filter pressure alarm limit.	0-1000Pa	
		Present extract air filter pressure alarm limit.		
37	108	Reserve		
38	111	Cool step time	0-600s	
		Present time between cool step shift.		
39	114	Cool relay 1 restart time	0-1800s	
		Present time between two starts of cool relay 1.		
40	117	Cool relay 2 restart time	0-1800s	
		Present time between two starts of cool relay 2.		
41	120	SA Fan effect	0-500W	
		Present power consumption level for the supply air fan.		
42	123	EA Fan effect	0-500W	
		Present power consumption level for the extract air fan.		
43	126	SFP	0.0-9.9	
		SFP supply air + extract air.		
44	129	Reserve		
45	132	Reserve		

46	135	SA Voltage	0-500V	
		Present voltage level for the supply air fan.		
47	138	EA Voltage	0-500V	
		Present voltage level for the extract air fan.		
48	141	SA Current	0-2.000A	
		Present current level for the supply air fan.		
49	144	EA Current	0-2.000A	
		Present current level for the extract air fan.		
50	147	SA Airflow pressure	0-3000Pa	
		Present airflow pressure in the supply air fan inlet.		
51	150	EA Airflow pressure	0-3000Pa	
		Present airflow pressure in the extract air fan inlet.		
52	153	R. Heat exchange level	0-100.00%	
		Present operation level from rotary heat exchange.		
53	156	HX pressure level	0-1000Pa	
		Present pressure drop for the rotary heat exchanger.		
54	159	HX pressure alarm limit	0-1000Pa	
		Present pressure drop alarm limit for the rotary heat exchanger.		
55	162	HX temperature	0-100.00°C	
		Present temperature inside the control unit for the rotary heat exchanger.		
56	165	Anti frost temp setpoint/operation	10.00-16.00°C	
		Present anti frost temperature setpoint for water reheating coils during unit operation.		
57	168	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.		
58	171	Anti frost temp alarm limit	5.00-30.00°C	
		Setting of antifrost temperature alarm limit.		
59	174	Supply air filter pressure level, new	0-1000Pa	
		Supply air filter pressure saved from calibration.		
60	177	Extract air filter pressure level, new	0-1000Pa	
		Extract air filter pressure saved from calibration.		
61	180	Programversion, HMI	0-10.00	
		Present programversion for the handterminal.		
62	183	Programversion, HMI-slave	0-10.00	
		Present programversion for the extra handterminal.		
63	186	Programversion, main controller.	0-10.00	
		Present programversion for the main control unit.		
64	189	Programversion, SA FC-1.	0-10.00	
		Present programversion for the supply air frequency converter no.1.		
65	192	Programversion, SA FC-2.	0-10.00	
		Present programversion for the supply air frequency converter no.2.		
66	195	Programversion, EA FC-1.	0-10.00	
		Present programversion for the extract air frequency converter no.1.		

67	198	Programversion, EA FC-2.	0-10.00	
		Present programversion for the extract air frequency converter no.2.		
68	201	Programversion, HX control unit	0-10.00	
		Present programversion for the rotary heat exchange control unit.		
69	204	SA Fan operation time	0-9999	
		Present operation time for the supply air fan, measured in minutes and present in days (24h).		
70	207	EA Fan operation time	0-9999	
		Present operation time for the extract air fan, measured in minutes and present in days (24h).		
71	210	Cool operation time	0-9999	
		Present operation time for cooling, measured in minutes and present in days (24h).		
72	213	Heat exchange operation time	0-9999	
		Present operation time for heat exchange, measured in minutes and present in days (24h).		
73	216	Reheat operation time	0-9999	
		Present operation time for reheat, measured in minutes and present in days (24h).		
74	219	Reserve		
75	222	Reserve		
76	225	Reserve		
77	228	Reserve		
78	231	Reserve		
79	234	Reserve		
80	237	Reserve		
81	240	Reserve		
82	243	Reserve		
83	246	Reserve		
84	249	Reserve		
85	252	Reserve		
86	255	Reserve		
87	258	Reserve		

88	261	R.HX. Efficiency	0-100.00%	
		Calculated level of rotary heat exchanger efficiency.		
89	264	Reserve		
90	267	Reserve		
91	270	Reserve		
92	273	Reserve		
93	276	Reserve		
94	279	Supply air prefilter pressure level	0-3000Pa	
		Present supply air prefilter pressure drop.		
95	282	Supply air prefilter pressure alarm limit.	0-1000Pa	
		Present supply air prefilter pressure alarm limit.		
96	285	Supply air prefilter pressure level, new	0-1000Pa	
		Supply air prefilter pressure saved from calibration.		
97	288	Extract air prefilter pressure level	0-3000Pa	
		Present extract air prefilter pressure drop.		
98	291	Extract air prefilter pressure alarm limit.	0-1000Pa	
		Present extract air prefilter pressure alarm limit.		
99	294	Extract air prefilter pressure level, new	0-1000Pa	
		Extract air prefilter pressure saved from calibration.		
100	297	Reserve		
101	300	Reserve		
102	303	Reserve		
103	306	Reserve		
104	309	Reserve		
105	312	Reserve		
106	315	Reserve		
107	318	Pre-heating air temperature	5.00-40.00°C	
		Present pre-heating air temperature.		
108	321	Pre-heating level	0-100.00%	
		Present level of pre-heating.		
109	324	Pre-heating anti frost temperature	0-40.00°C	
		Present anti frost temperature for water pre-heating coils.		
110	327	Reserve		

111	330	Reserve		
112	333	Reserve		
113	336	Reserve		
114	339	Reserve		
115	342	Reserve		
116	345	Preheat operation time	0-30000	
		Present operation time for preheat, measured in minutes and present in days (24h).		
117	348	Reserve		
118	351	Reserve		
119	354	Demand VOC Level	0-100.00%	
		Present level of demand VOC input.		
120	357	Demand Vin Level	0-100.00%	
		Present level of demand 0-10VDC input.		
121	360	SA Filter level calculated	0-100.00%	
		Present level of calculated supply air filter.		
122	363	EA Filter level calculated	0-100.00%	
		Present level of calculated extract air filter.		

Index var. Vpac 3 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
1	0	Coil type	0-20	
		Present connected reheat coil type.		
2	1	Weekday	0 - 6	
		Present weekday for the unit's internal clock.		
3	2	Extended low speed op. Hours	0-23	
		Present time for extended low speed operation.		
4	3	Extended low speed op. Minutes	0-59	
		Present time for extended low speed operation.		
5	4	Extended high speed op. Hours	0-23	
		Present time for extended high speed operation.		
6	5	Extended high speed op. Minutes	0-59	
		Present time for extended high speed operation.		
7	6	Present tripped alarm	0-200	
		Present tripped alarm number with highest priority.		
8	7	Active not tripped alarm no.1	0-200	
		Present active alarm in delay.		
9	8	Active not tripped alarm no.2	0-200	
		Present active alarm in delay.		
10	9	Active not tripped alarm no.3	0-200	
		Present active alarm in delay.		
11	10	SA Fan size	04 - 80	
		Present supply air fan size.		
12	11	EA Fan size	04 - 80	
		Present extract air fan size.		
13	12	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=		

14	13	Operation mode 2	0 - 24	
		0= 1=Cool 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.		
15	14	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.		

Logical var. Vpac 4 (RO)

Index	Cell no.	Name	Min/Max	Misc
1	0	Heat output	0-1	
		Status for relay output.		
2	1	Cool output 1	0-1	
		Status for relay output.		
3	2	Cool output 2	0-1	
		Status for relay output.		
4	3	Low speed output	0-1	
		Status for relay output.		
5	4	High speed output	0-1	
		Status for relay output.		
6	5	A-alarm.	0-1	
		Status for relay output.		
7	6	B-alarm.	0-1	
		Status for relay output.		
8	7	Operation output	0-1	
		Status for relay output.		
9	8	Damper output	0-1	
		Status for relay output.		
10	9	External low speed input	0-1	
		Status for digital input.		
11	10	External high speed input	0-1	
		Status for digital input.		
12	11	External alarm 1 input	0-1	
		Status for digital input.		
13	12	External alarm 2 input	0-1	
		Status for digital input.		
14	13	External fire alarm input.	0-1	
		Status for digital input.		
15	14	External stop input	0-1	
		Status for digital input.		
16	15	DIP Switch 1	0-1	
		Status for dip switch setting.		
17	16	DIP Switch 2	0-1	
		Status for dip switch setting.		
18	17	DIP Switch 3	0-1	
		Status for dip switch setting.		
19	18	DIP Switch 4	0-1	
		Status for dip switch setting.		
20	19	DIP Switch 5	0-1	
		Status for dip switch setting.		
21	20	DIP Switch 6	0-1	
		Status for dip switch setting.		
22	21	Alarm number 1	0-1	
		Status if alarm number 1 is active.		

23	22	Alarm number 2	0-1	
		Status if alarm number 2 is active.		
24	23	Alarm number 3	0-1	
		Status if alarm number 3 is active.		
25...120	24...119	...		
		...		
121	120	Alarm number 100	0-1	
		Status if alarm number 100 is active.		
122	121	Reserve		
123	122	Reserve		
124	123	Reserve		
125	124	R.HX rotation monitor	0-1	
		Status from the rotation detector.		
126	125	Reserve		
127	126	Reserve		
128	127	Reserve		
129	128	Pre-heat output	0-1	
		Status for relay output.		
130	129	Recirculation output	0-1	
		Status for relay output.		
131	130	Booster output	0-1	
		Status for relay output.		
132	131	Reserve		
133	132	Reserve		
134	133	Reserve		
135	134	Reserve		
136	135	Reserve		
137	136	Reserve		
138	137	Reserve		
139	138	Reserve		
140	139	Reserve		

141	140	Reserve		
142	141	Reserve		
143	142	Reserve		
144	143	Reserve		
145	144	Reserve		
146	145	Reserve		
147	146	Reserve		
148	147	Reserve		
149	148	Info number 1	0-1	
		Status if info number 1 is active.		
150	149	Info number 2	0-1	
		Status if info number 2 is active.		
151	150	Info number 3	0-1	
		Status if info number 3 is active.		
152...167	151...168	...		
		...		
168	167	Info number 20	0-1	
		Status if info number 100 is active.		
169	168	Alarm number 101	0-1	
		Status if alarm number 101 is active.		
170	169	Alarm number 102	0-1	
		Status if alarm number 102 is active.		
171	170	Alarm number 103	0-1	
		Status if alarm number 103 is active.		
248	247	Alarm number 180	0-1	
		Status if alarm number 180 is active.		

Real var. Vpac 5 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
1	0	SA Low speed airflow setpoint	0-360l/s	
		Supply airflow setpoint for the unit when running in low speed operation.		
2	3	SA High speed airflow setpoint	0-360l/s	
		Supply airflow setpoint for the unit when running in high speed operation.		
3	6	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.		
4	9	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.		
5	12	EA Low speed airflow setpoint	0-360l/s	
		Extract airflow setpoint for the unit when running in low speed operation.		
6	15	EA High speed airflow setpoint	0-360l/s	
		Extract airflow setpoint for the unit when running in high speed operation.		
7	18	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.		
8	21	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.		
9	24	SA Low speed pressure setpoint	0-750Pa	
		Supply air duct pressure setpoint for the unit when running in low speed operation.		
10	27	SA High speed pressure setpoint	0-750Pa	
		Supply air duct pressure for the unit when running in high speed operation.		
11	30	SA Max speed output signal	10.00-100.00%	
		Max. limit for the supply air fan speed when running in pressure regulation mode.		
12	33	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.		
13	36	EA Low speed pressure setpoint	0-750Pa	
		Extract air duct pressure setpoint for the unit when running in low speed operation.		
14	39	EA High speed pressure setpoint	0-750Pa	
		Extract air duct pressure setpoint for the unit when running in high speed operation.		
15	42	EA Max speed output signal	10.00-100.00%	
		Max. limit for the extract air fan speed when running in pressure regulation mode.		

16	45	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.		
17	48	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.		
18	51	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.		
19	54	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.		
20	57	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.		
21	60	ERS 1 Diff	1.00 - 7.00°C	
		Supply air temperature difference setting according to the diagram for ERS 1.		
22	63	ERS 1 Brakepoint	12.00 - 26.00°C	
		Brakepoint setting according to the diagram for ERS 1.		
23	66	ERS 2 Brakepoint X1	10.00-38.00°C	
		Brakepoint X1 setting according to the diagram for ERS 2.		
24	69	ERS 2 Brakepoint Y1	10.00-40.00°C	
		Brakepoint Y1 setting according to the diagram for ERS 2.		
25	72	ERS 2 Brakepoint X2	11.00-39.00°C	
		Brakepoint X2 setting according to the diagram for ERS 2.		
26	75	ERS 2 Brakepoint Y2	10.00-40.00°C	
		Brakepoint Y2 setting according to the diagram for ERS 2.		
27	78	ERS 2 Brakepoint X3	12.00-40.00°C	
		Brakepoint X3 setting according to the diagram for ERS 2.		
28	81	ERS 2 Brakepoint Y3	10.00-40.00°C	
		Brakepoint Y3 setting according to the diagram for ERS 2.		
29	84	SA Temperature setpoint	10.00-40.00°C	
		Supply air temperature setting, for supply air temp regulation mode.		
30	87	EA/Room Temperature setpoint	10.00-30.00°C	
		Extract air/room temperature setting, for Extract air/room temp regulation mode.		
31	90	SA Min temp setpoint	8.00-20.00°C	
		Supply air min.setpoint during EA/room regulation mode.		
32	93	SA Max temp setpoint	16.00-50.00°C	
		Supply air max.setpoint during EA/room regulation mode.		
33	96	Cooling off set.	10 - 50%	
		Cooling off airflow setting in % of max. airflow.		
34	99	SA Down regulation neautral zone	0.00-10.00°C	
		Neutral zone setting before downregulation is permitted.		

35	102	Cool Outdoor temp limit.1	0.00-25.00°C	
		Outdoor temperature limit setting for cooling stage 1.		
36	105	Cool Outdoor temp limit.2	0.00-25.00°C	
		Outdoor temperature limit setting for cooling stage 2.		
37	108	Cool Outdoor temp limit.3	0.00-25.00°C	
		Outdoor temperature limit setting for cooling stage 3.		
38	111	Temperature reg. Neutral zone	0.50-10.00°C	
		Neutral zone setting before shift between heating and cooling.		
39	114	SA Cool min air flow	0-360l/s	
		Supply air min. air flow setting for cooling.		
40	117	EA Cool min air flow	0-360l/s	
		Extract air min. air flow setting for cooling.		
41	120	Heating boost start limit	2.00-10.00°C	
		Heating boost start temperature limit.		
42	123	Cooling boost start limit	2.00-10.00°C	
		Cooling boost (comfort) start temperature limit.		
43	126	SA Filter alarm limit	0-1000Pa	
		Supply air filter pressure alarm limit setting.		
44	129	EA Filter alarm limit	0-1000Pa	
		Extract air filter pressure alarm limit setting.		
45	132	Int. Night heat room start temp	5.00-40.00°C	
		Intermittent night heat function, extract air temperature setting for start.		
46	135	Int. Night heat room stop temp	5.00-40.00°C	
		Intermittent night heat function, extract air temperature setting for stop.		
47	138	Int. Night heat SA temp setpoint	5.00-40.00°C	
		Intermittent night heat function, supply air temperature setpoint during night heat.		
48	141	Int. Night heat SA airflow setpoint	0-360l/s	
		Intermittent night heat function, supply airflow setpoint during night heat.		
49	144	Int. Night heat EA airflow setpoint	0-360l/s	
		Intermittent night heat function, extract airflow setpoint during night heat.		
50	147	Summer night cool EA start temp	17.00-27.00°C	
		Summer night cool function, extract air temperature setting for start.		
51	150	Summer night cool EA stop temp	12.00-22.00°C	
		Summer night cool function, extract air temperature setting for stop.		
52	153	Summer night cool outdoor temp limit	5.00-15.00°C	
		Summer night cool function, outdoor temperature limit.		
53	156	Summer night cool SA temp setpoint	10.00-20.00°C	
		Summer night cool function, supply air temperature setpoint during summer night cool.		
54	159	Outdoor temp comp. Winter X1.	-30.00-(-10.00)°C	
		Endpoint of winter compensation.		

55	162	Outdoor temp comp. Winter X2.	-10.00-15.00°C	
		Startpoint of winter compensation.		
56	165	Outdoor temp comp. Winter Y1.	0.00-10.00°C	
		Level of winter compensation at X1.		
57	168	Outdoor temp comp. Summer X3.	15.00-25.00°C	
		Startpoint of summer compensation.		
58	171	Outdoor temp comp. Summer X4.	25.00-40.00°C	
		Endpoint of summer compensation.		
59	174	Outdoor temp comp. Summer Y2.	-10.00-10.00°C	
		Level of summer compensation at X4.		
60	177	Outdoor airflow comp. Winter X1.	-30.00-(-10.00)°C	
		Endpoint of winter compensation.		
61	180	Outdoor airflow comp. Winter X2.	-10.00-15.00°C	
		Startpoint of winter compensation.		
62	183	Outdoor airflow comp. Winter Y1.	0-50.00%	
		Level of airflow compensation at X1.		
63	186	Reserve		
64	189	EA/Room min temp alarm limit	8.00-20.00°C	
		Setting for min extract air /room temp alarm no.40.		
65	192	SA Deviation alarm limit	2.00-15.00°C	
		Setting for supply air temperature below present setpoint, alarm no.41.		
66	195	E_Demand regulator set	0-100%	
67	198	Cooling off periode	60 - 1500s	
		Time setting for cooling off electrical heating coil.		
68	201	Cool step time	0 - 600s	
		Time setting between cool step shift.		
69	204	Cool restart time	60 - 900s	
		Setting of time between two starts of the cool relays.		
70	207	Startup time	0 - 600s	
		Setting of time for startup when the unit regulator is running with fixed signals.		
71	210	Start delay SA fan.	0 - 600s	
		Setting of start delay time for the supply air fan.		
72	213	Start delay EA fan.	0 - 600s	
		Setting of start delay time for the extract air fan after supply air fan has started.		
73	216	Year	2000-2100	
		Setting for the unit's internal clock.		
74	219	External alarm 1 delay	1 - 600s	
		Setting of delay time for external alarm no 1		
75	222	External alarm 2 delay	1 - 600s	
		Setting of delay time for external alarm no 2		
76	225	Int. Night heat SA pressure setpoint	20-750Pa	
		Intermittent night heat function, supply pressure setpoint during night heat.		

77	228	Int. Night heat EA pressure setpoint	20-750Pa	
		Intermittent night heat function, extract pressure setpoint during night heat.		
78	231	Slave control C-factor	0.5 - 1.5	
		Slave regulator affection setting.		
79	234	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.		
80	237	SA Airflow C-factor	0.005 - 2.500	
		Supply airflow regulator affection setting.		
81	240	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.		
82	243	EA Airflow C-factor	0.005 - 2.500	
		Extract airflow regulator affection setting.		
83	246	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.		
84	249	SA Pressure C-factor	0.005 - 2.500	
		Supply air pressure regulator affection setting.		
85	252	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.		
86	255	EA Pressure C-factor	0.005 - 2.500	
		Extract air pressure regulator affection setting.		
87	258	SA Demand P-band.	1.00 - 100.00	
		Supply air demand regulator P-band setting.		
88	261	SA Demand C-factor	0.005 - 2.500	
		Supply air demand regulator affection setting.		
89	264	EA Demand P-band.	1.00 - 100.00	
		Extract air demand regulator P-band setting.		
90	267	EA Demand C-factor	0.005 - 2.500	
		Extract air demand regulator affection setting.		
91	270	SA Temperature P-band	1.00 - 40.00	
		Supply air temperature regulator P-band setting.		
92	273	EA/Room Temperature P-band	1.00 - 40.00	
		Extract air/room temperature regulator P-band setting.		
93	276	SA HX. Reg C-factor	0.000 - 2.500	
		Supply air heat exchange regulator affection setting.		
94	279	EA/Room HX. Reg C-factor	0.000 - 2.500	
		Extract air/room heat exchange regulator affection setting.		
95	282	SA Heat Reg C-factor	0.000 - 2.500	
		Supply air reheat regulator affection setting.		
96	285	EA/Room Heat Reg C-factor	0.000 - 2.500	
		Extract air/room reheat regulator affection setting.		

97	288	Reserve		
98	291	Reserve		
99	294	Reserve		
100	297	Reserve		
101	300	SA Down regulation Reg C-factor	0.000 - 2.500	
		Supply air reheat regulator affection setting.		
102	303	Reserve		
103	306	SA Cool reg C-factor	0.000 - 2.500	
		Supply air cool regulator affection setting.		
104	309	EA/Room Cool reg C-factor	0.000 - 2.500	
		Extract air/room cool regulator affection setting.		
105	312	SA Cooling boost C-factor	0.000 - 2.500	
		Supply air cooling boost affection setting.		
106	315	EA/Room Cooling boost reg C-factor	0.000 - 2.500	
		Extract air/room cooling boost regulator affection setting.		
107	318	HX Pressure alarm set.	30 - 100Pa	
		Heat exchange pressure alarm limit setting (alarm no.38).		
108	321	Reserve		
109	324	Reserve		
110	327	Reserve		
111	330	Reserve		
112	333	Reserve		
113	336	Reserve		
114	339	Reserve		
115	342	Reserve		
116	345	Reserve		
117	348	Reserve		

118	351	Water heating periodic op. time	0-60min	
		Setting of periodic op. time (minute).		
119	354	Water heating interval	0-168h	
		Setting of water heating intervall time (hour).		
120	357	Cool periodic op. time	0-60min	
		Setting of periodic op. time (minute).		
121	360	Cool interval	0-168h	
		Setting of cool interval time (hour).		
122	363	Reserve		
123	366	EA/Room temperature com.	-55.00-125.00°C	
		Setting of EA/Room temperature via communication.		
124	369	Outdoor temperature com.	-55.00-125.00°C	
		Setting of outdoor temperature via communication.		
125	372	SA speed at fire.	50.00-100.00%	
		Setting of supply air speed at fire.		
126	375	EA speed at fire.	50.00-100.00%	
		Setting of extract air speed at fire.		
127	378	Reserve		
128	381	Timeout temperature com.	0-9999min	
		Setting of timeout for temperature via communication (Vpac5 index 123, 124).		
129	384	Reserve		
130	387	Supply air min P-band.	1.00 - 40.00	
		Supply air min regulator P-band setting.		
131	390	Supply air min C-factor.	0.000 - 2.500	
		Supply air min regulator affection setting.		
132	393	Supply air max P-band.	1.00 - 40.00	
		Supply air max regulator P-band setting.		
133	396	Supply air max C-factor.	0.000 - 2.500	
		Supply air min regulator affection setting.		
134	399	Year channel 1 start year.	2000 - 2099	
135	402	Year channel 1 stop year.	2000 - 2099	
136	405	Year channel 2 start year.	2000 - 2099	
137	408	Year channel 2 stop year.	2000 - 2099	
138	411	Year channel 3 start year.	2000 - 2099	
139	414	Year channel 3 stop year.	2000 - 2099	
140	417	Year channel 4 start year.	2000 - 2099	
141	420	Year channel 4 stop year.	2000 - 2099	
142	423	Year channel 5 start year.	2000 - 2099	
143	426	Year channel 5 stop year.	2000 - 2099	
144	429	Year channel 6 start year.	2000 - 2099	
145	432	Year channel 6 stop year.	2000 - 2099	
146	435	Year channel 7 start year.	2000 - 2099	
147	438	Year channel 7 stop year.	2000 - 2099	
148	441	Year channel 8 start year.	2000 - 2099	

149	444	Year channel 8 stop year.	2000 - 2099	
150	447	SA prefilter alarm limit.	50-300Pa	
		Supply air prefilter pressure alarm limit setting.		
151	450	EA prefilter alarm limit.	50-300Pa	
		Extract air prefilter pressure alarm limit setting.		
152	453	Reserve		
153	456	Reserve		
154	459	Reserve		
155	462	Reserve		
156	465	Reserve		
157	468	Reserve		
158	471	Reserve		
159	474	Reserve		
160	477	Reserve		
161	480	Reserve		
162	483	Reserve		
163	486	Reserve		
164	489	Reserve		
165	492	Preheating setpoint.	-30.00-30.00°C	
		Setting of preheating temperature setpoint.		
166	495	Reserve		
167	498	Reserve		
168	501	Reserve		
169	504	Reserve		
170	507	Reserve		
171	510	Reserve		
172	513	Reserve		

173	516	Reserve		
174	519	Reserve		
175	522	Preheat P-band.	1.00 - 40.00	
		Preheat regulator P-band setting.		
176	525	Preheat C-factor.	0.000 - 2.500	
		Preheat regulator affection setting.		
177	528	Reserve		
178	531	Reserve		
179	534	Reserve		
180	537	Reserve		
181	540	Reserve		
182	543	Reserve		
183	546	Reserve		
184	549	Reserve		
185	552	SA Filter calculated alarm level	5.00 - 20.00%	
		Supply air filter calculated alarm limit setting.		
186	555	EA Filter calculated alarm level	5.00 - 20.00%	
		Extract air filter calculated alarm limit setting.		
187	558	Airing temp set	10.00 - 20.00	
		Setting of airing temperature setpoint.		

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
1	0	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.		
2	1	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.		
3	2	ERS Step	1 - 4	
		Setting of curve when temperature is above brakepoint.		
4	3	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.		
5	4	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		
6	5	Heating boost regulation mode.	0 - 1	
		Setting for heating boost function. 0=Deactive, 1=Active.		
7	6	Cooling boost regulation mode.	0 - 5	
		Setting of cooling boost regulation type. 0=deactive 1=Comfort 2=Economy 3=Sequence 4=Comfort + Economy 5=Economy + Sequence		
8	7	Filter calibration mode	0 - 4	
		Setting for requiered filtercalibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter. 4=HX.		
9	8	Air adjustment time, minutes	0 - 1728	
		Setting for amount of minutes to air adjustment function.		
10	9	Air adjustment time, hours	0 - 72	
		Setting for amount of hours to air adjustment function.		
11	10	Summer night cool start, hour	0-23	
		Setting for start time of summer night cooling function.		
12	11	Summer night cool start, minute	0-59	
		Setting for start time of summer night cooling function.		
13	12	Summer night cool stop, hour	0-23	
		Setting for stop time of summer night cooling function.		
14	13	Summer night cool stop, minute	0-59	
		Setting for stop time of summer night cooling function.		

15	14	Reserve		
16	15	Reserve		
17	16	Morning boost time, hours	0-23	
		Setting of morning boost time before normal operation.		
18	17	Morning boost time, minutes	0-59	
		Setting of morning boost time before normal operation.		
19	18	Extended low speed op. Hours	0-23	
		Setting for extended low speed operation.		
20	19	Extended low speed op. Minutes	0-59	
		Setting for extended low speed operation.		
21	20	Extended high speed op. Hours	0-23	
		Setting for extended low speed operation.		
22	21	Extended high speed op. Minutes	0-59	
		Setting for extended low speed operation.		
23	22	Communication operation mode	0 - 4	
		Setting of unit operation mode from communication. 0=Auto operation. 1=Communication stop 1. 2=Communication low speed. 3=Communication high speed. 4=Communication stop 2 Summer night cool, intermittent night heat and morning boost functions works at stop 2.		
24	23	Service periode alarm.	0-99	
		Setting for delay time in months before service alarm.		
25	24	Month	1-12	
		Setting for the unit's internal clock.		
26	25	Date	0-31	
		Setting for the unit's internal clock.		
27	26	Hour	0-23	
		Setting for the unit's internal clock.		
28	27	Minute	0-59	
		Setting for the unit's internal clock.		
29	28	Second	0-59	
		Setting for the unit's internal clock.		
30	29	Heat relay periodic func.	0-3	
		Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
31	30	Cool relay 1 periodic func.	0-3	
		Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		

32	31	Cool relay 2 periodic func.	0-3	
		Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
33	32	Time channel 1 status	0-10,16-26	
		Low speed 0=Deactive 1=Monday 2=Tuesday 3=Wednesday 4=Thursday. 5=Friday 6=Saturday 7=Sunday 8=Monday..Friday 9=Monday..Sunday 10=Saturday..Sunday High speed 16=Deactive 17=Monday 18=Tuesday 19=Wednesday 20=Thursday 21=Friday 22=Saturday 23=Sunday 24=Monday..Friday 25=Monday..Sunday 26=Saturday..Sunday		
34	33	Time channel 1 start hour	0-23	
35	34	Time channel 1 start minute	0-59	
36	35	Time channel 1 stop hour	0-23	
37	36	Time channel 1 stop minute	0-59	
38	37	Time channel 2 status	0-10,16-26	
39	38	Time channel 2 start hour	0-23	
40	39	Time channel 2 start minute	0-59	
41	40	Time channel 2 stop hour	0-23	
42	41	Time channel 2 stop minute	0-59	
43	42	Time channel 3 status	0-10,16-26	
44	43	Time channel 3 start hour	0-23	
45	44	Time channel 3 start minute	0-59	
46	45	Time channel 3 stop hour	0-23	
47	46	Time channel 3 stop minute	0-59	
48	47	Time channel 4 status	0-10,16-26	
49	48	Time channel 4 start hour	0-23	
50	49	Time channel 4 start minute	0-59	
51	50	Time channel 4 stop hour	0-23	
52	51	Time channel 4 stop minute	0-59	
53	52	Time channel 5 status	0-10,16-26	
54	53	Time channel 5 start hour	0-23	
55	54	Time channel 5 start minute	0-59	
56	55	Time channel 5 stop hour	0-23	
57	56	Time channel 5 stop minute	0-59	
58	57	Time channel 6 status	0-10,16-26	
59	58	Time channel 6 start hour	0-23	
60	59	Time channel 6 start minute	0-59	
61	60	Time channel 6 stop hour	0-23	
62	61	Time channel 6 stop minute	0-59	
63	62	Time channel 7 status	0-10,16-26	
64	63	Time channel 7 start hour	0-23	
65	64	Time channel 7 start minute	0-59	

66	65	Time channel 7 stop hour	0-23	
67	66	Time channel 7 stop minute	0-59	
68	67	Time channel 8 status	0-10,16-26	
69	68	Time channel 8 start hour	0-23	
70	69	Time channel 8 start minute	0-59	
71	70	Time channel 8 stop hour	0-23	
72	71	Time channel 8 stop minute	0-59	
73	72	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		
74	73	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.		
75	74	Reserve		
76	75	EA/Room temperature (external) func.	0-2	
		Setting of EA/Room temperature (external) function. 0= Inactive. 1= IQnomic. 2= Communication.		
77	76	Outdoor temperature (external) func.	0-2	
		Setting of outdoor temperature (external) function. 0= Inactive. 1= IQnomic. 2= Communication.		
78	77	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.		
79	78	Air fan down regulation func.	0-2	
		Setting for activating the air fan down regulation function 0= Inactive. 1= SA. 2= SA+EA.		

80	79	Year channel 1 function.	0 - 3	
		0 = Inactive. 1 = Stop. 2 = Low speed. 3 = High speed.		
81	80	Year channel 1 start month.	1 - 12	
82	81	Year channel 1 start date.	1 - 31	
83	82	Year channel 1 start hour.	0 - 23	
84	83	Year channel 1 start minute.	0 - 59	
85	84	Year channel 1 stop month.	1 - 12	
86	85	Year channel 1 stop date.	1 - 31	
87	86	Year channel 1 stop hour.	0 - 23	
88	87	Year channel 1 stop minute.	0 - 59	
89	88	Year channel 2 function.	0 - 3	
90	89	Year channel 2 start month.	1 - 12	
91	90	Year channel 2 start date.	1 - 31	
92	91	Year channel 2 start hour.	0 - 23	
93	92	Year channel 2 start minute.	0 - 59	
94	93	Year channel 2 stop month.	1 - 12	
95	94	Year channel 2 stop date.	1 - 31	
96	95	Year channel 2 stop hour.	0 - 23	
97	96	Year channel 2 stop minute.	0 - 59	
98	97	Year channel 3 function.	0 - 3	
99	98	Year channel 3 start month.	1 - 12	
100	99	Year channel 3 start date.	1 - 31	
101	100	Year channel 3 start hour.	0 - 23	
102	101	Year channel 3 start minute.	0 - 59	
103	102	Year channel 3 stop month.	1 - 12	
104	103	Year channel 3 stop date.	1 - 31	
105	104	Year channel 3 stop hour.	0 - 23	
106	105	Year channel 3 stop minute.	0 - 59	
107	106	Year channel 4 function.	0 - 3	
108	107	Year channel 4 start month.	1 - 12	
109	108	Year channel 4 start date.	1 - 31	
110	109	Year channel 4 start hour.	0 - 23	
111	110	Year channel 4 start minute.	0 - 59	
112	111	Year channel 4 stop month.	1 - 12	
113	112	Year channel 4 stop date.	1 - 31	
114	113	Year channel 4 stop hour.	0 - 23	
115	114	Year channel 4 stop minute.	0 - 59	
116	115	Year channel 5 function.	0 - 3	
117	116	Year channel 5 start month.	1 - 12	
118	117	Year channel 5 start date.	1 - 31	
119	118	Year channel 5 start hour.	0 - 23	
120	119	Year channel 5 start minute.	0 - 59	
121	120	Year channel 5 stop month.	1 - 12	
122	121	Year channel 5 stop date.	1 - 31	
123	122	Year channel 5 stop hour.	0 - 23	

124	123	Year channel 5 stop minute.	0 - 59	
125	124	Year channel 6 function.	0 - 3	
126	125	Year channel 6 start month.	1 - 12	
127	126	Year channel 6 start date.	1 - 31	
128	127	Year channel 6 start hour.	0 - 23	
129	128	Year channel 6 start minute.	0 - 59	
130	129	Year channel 6 stop month.	1 - 12	
131	130	Year channel 6 stop date.	1 - 31	
132	131	Year channel 6 stop hour.	0 - 23	
133	132	Year channel 6 stop minute.	0 - 59	
134	133	Year channel 7 function.	0 - 3	
135	134	Year channel 7 start month.	1 - 12	
136	135	Year channel 7 start date.	1 - 31	
137	136	Year channel 7 start hour.	0 - 23	
138	137	Year channel 7 start minute.	0 - 59	
139	138	Year channel 7 stop month.	1 - 12	
140	139	Year channel 7 stop date.	1 - 31	
141	140	Year channel 7 stop hour.	0 - 23	
142	141	Year channel 7 stop minute.	0 - 59	
143	142	Year channel 8 function.	0 - 3	
144	143	Year channel 8 start month.	1 - 12	
145	144	Year channel 8 start date.	1 - 31	
146	145	Year channel 8 start hour.	0 - 23	
147	146	Year channel 8 start minute.	0 - 59	
148	147	Year channel 8 stop month.	1 - 12	
149	148	Year channel 8 stop date.	1 - 31	
150	149	Year channel 8 stop hour.	0 - 23	
151	150	Year channel 8 stop minute.	0 - 59	
152	151	Filter select.	0 - 3	
		Setting for filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
153	152	Prefilter select.	0 - 3	
		Setting for prefilter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
154	153	Prefilter calibration mode.	0 - 3	
		Setting for required filtercalibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter.		
155	154	Reserve		
156	155	Reserve		

157	156	Reserve		
158	157	Reserve		
159	158	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.		
160	159	Reserve		
161	160	Reserve		
162	161	Reserve		
163	162	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.		
164	163	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.		
165	164	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.		
166	165	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.		

167	166	Manual morning boost time hour	0-23	
		Setting of manual morning boost time before normal operation.		
168	167	Manual morning boost time minutes	0-59	
		Setting of manual morning boost time before normal operation.		
169	168	Airing time set	10-60	
		Setting of airing time in minutes.		
170	169	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.		

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
1	0	Alarm reset	0-1	
		Resets tripped alarms.		
2	1	Reserve		
3	2	Reserve		
4	3	R.HX. Defrost func.	0-1	
		Setting for activating the defrost function for the rotary heat exchanger. 0= Inactive. 1= Active.		
5	4	Reserve		
6	5	Reserve		
7	6	Reserve		
8	7	Cool operation mode	0-1	
		Setting for cooling between off and auto operation. 0= Inactive. 1= Auto operation.		
9	8	Int. Night heat func.	0-1	
		Setting for activating the intermittent night heat function. 0= Inactive. 1= Active.		
10	9	Damper func.	0-1	
		Setting for activating the damper output relay during int. night heat. 0= Inactive. 1= Active.		
11	10	Summer night cooling	0-1	
		Setting for activating the summer night cool function. 0= Inactive. 1= Active.		
12	11	Reserv		
13	12	Outdoor temp compensation	0-1	
		Setting for activating the outdoor temperature compensation function. 0= Inactive. 1= Active.		
14	13	Outdoor airflow compensation	0-1	
		Setting for activating the outdoor airflow compensation function. 0= Inactive. 1= Active.		

15	14	Auto. Summer/winter switch	0-1	
		Setting for activating the automatic switch between summer/ winter time function. 0= Inactive. 1= Active.		
16	15	Switch clock func.	0-1	
		Setting for switch clock function type. 0=Stop - low speed - high speed. 1=Low speed - high speed.		
17	16	Internal fire alarm func.	0-1	
		Setting for activating the internal fire alarm function. 0= Inactive. 1= Active.		
18	17	Reserve		
19	18	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.		
20	19	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.		
21	20	Reserve		
22	21	Reserve		
23	22	Reserve		
24	23	External fire alarm func.	0-1	
		Setting for external fire resetting function. 0= Manual. 1= Automatic.		
25	24	External alarm 1 func.	0-1	
		Setting for external alarm 1 resetting function. 0= Manual. 1= Automatic.		
26	25	External alarm 2 func.	0-1	
		Setting for external alarm 2 resetting function. 0= Manual. 1= Automatic.		
27	26	Reserve		
28	27	Reserve		
29	28	Morningboost damper func.	0-1	
		Setting for activating the morningboost damper function. 0= Inactive. 1= Active.		

30	29	Morningboost extract func.	0-1	
		Setting for activating the morningboost extract air fan function. 0= Inactive. 1= Active.		
31	30	Filter func.	0-1	
		Setting for filter between calculated and pressure sensors. 0=Calculated. 1=Pressure sensors.		
32	31	Iqnomiq Plus module no.6 Cooling	0-1	
		Setting for activating Iqnomiq Plus no.6 Cooling module. 0=Inactive. 1=Active.		
33	32	Airing auto func.	0-1	
		Setting for activating the airing auto function. 0=Inactive. 1=Active.		

