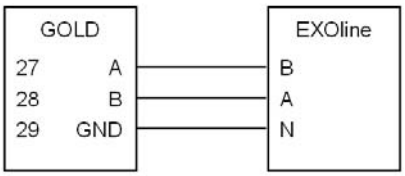
EXOline
GOLD RX/PX/CX/SD, GENERATION C/D

Applicable to program version 1.05 and newer versions

Overview

The GOLD 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 GOLD 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.	DLnDPn	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	

Operation mode 1	Vpac3,13
Communication operation mode	Vpac6,23
Operation mode 2	Vpac3,14
Operation output	Vpac4,8
Low speed output	Vpac4,4
High speed output	Vpac4,5
Damper output	Vpac4,9
Present tripped alarm	Vpac3,7
A-alarm	Vpac4,6
B-alarm	Vpac4,7
Alarm reset	Vpac7,1

Extract air filter pressure level	Vpac2,35
EA filter pressure level limit	Vpac2,36

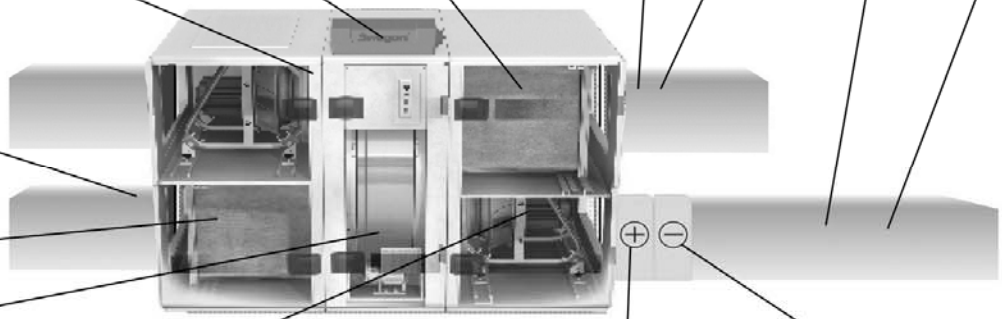
EA Duct pressure	Vpac2,7
EA Low speed pressure setpoint	Vpac5,13
EA High speed pressure setpoint	Vpac5,14

EA/Room temperature	Vpac2,18
EA/Room temperature setpoint	Vpac5,30
SA Min temperature setpoint	Vpac5,31
SA Max temperature setpoint	Vpac5,32

SA Duct Pressure	Vpac2,5
SA Low speed pressure setpoint	Vpac5,9
SA High speed pressure setpoint	Vpac5,10

SA Temperature	Vpac2,17
SA Temperature setpoint	Vpac5,29
ERS 1 Diff	Vpac5,21

EA Airflow	Vpac2,3
EA Fan level	Vpac2,14
EA Low speed airflow setpoint	Vpac5,5
EA High speed airflow setpoint	Vpac5,6



Outdoor temperature	Vpac2,19

Supply air filter pressure level	Vpac2,33
SA filter pressure level limit	Vpac2,34

Heat exchange regulator	Vpac2,25

SA Airflow	Vpac2,1
SA Fan level	Vpac2,13
SA Low speed airflow setpoint	Vpac5,1
SA High speed airflow setpoint	Vpac5,2

Reheat level	Vpac2,26
Heat output	Vpac4,1
Anti frost temperature	Vpac2,22

Cooling level	Vpac2,29
Cool output 1	Vpac4,2
Cool output 2	Vpac4,3

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
1	0	**SA Airflow**	0-20000l/s	
		Present supply airflow.		
2	3	**SA Airflow regulator**	0-20000l/s	
		Present supply airflow regulator setpoint.		
3	6	**EA Airflow**	0-20000l/s	
		Present extract airflow.		
4	9	**EA Airflow regulator**	0-20000l/s	
		Present extract airflow regulator setpoint.		
5	12	**SA Duct pressure**	0-2000Pa	
		Present supply air duct pressure.		
6	15	**SA Duct pressure regulator**	0-2000Pa	
		Present supply air duct pressure regulator setpoint.		
7	18	**EA Duct pressure**	0-2000Pa	
		Present extract air duct pressure.		
8	21	**EA Duct pressure regulator**	0-2000Pa	
		Present extract air duct pressure regulator setpoint.		
9	24	**SA VAV demand/boost input**	0-100.00%	
		Present input signal for supply air VAV demand or boosting function.		
10	27	**SA VAV demand regulator**	0-100.00%	
		Present supply air VAV demand regulator setpoint.		
11	30	**EA VAV demand/boost input**	0-100.00%	
		Present input signal for extract air VAV demand or boosting function.		
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**	-55.00-125.00°C	
		Present supply air temperature regulator setpoint.		
16	45	**EA Temp regulator**	-55.00-125.00°C	
		Present extract air temperature regulator setpoint.		
17	48	**SA Temperature**	-55.00-125.00°C	
		Present supply air temperature.		
18	51	**EA/Room temperature**	-55.00-125.00°C	
		Present extract air/room temperature in the unit.		
19	54	**Outdoor temperature**	-55.00-125.00°C	
		Present outdoor air temperature in the unit.		
20	57	**EA/Room temperature (external)**	-55.00-125.00°C	
		Present room temperature external from the unit.		
21	60	**Outdoor temperature (external)**	-55.00-125.00°C	
		Present outdoor air temperature external from the unit.		
22	63	**Anti frost temperature**	-55.00-125.00°C	
		Present anti frost temperature for water reheating coils.		
23	66	**Temperature sensor 3**	-55.00-125.00°C	
		Present temperature for temp sensor no.3		
24	69	**Temperature sensor 4**	-55.00-125.00°C	
		Present temperature for temp sensor no.4		
25	72	**Heat exchanger regulator**	0-100.00%	
		Present level of heat exchanger regulator RX/CX/PX.		

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
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	**Extra regulation sequence level**	0-100.00%	
		Present level of the extra regulation sequence.		
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**	0-2000Pa	
		Present supply air filter pressure drop.		
34	99	**Supply air filter pressure alarm limit.**	0-2000Pa	
		Present supply air filter pressure alarm limit.		
35	102	**Extract air filter pressure level**	0-2000Pa	
		Present extract air filter pressure drop.		
36	105	**Extract air filter pressure alarm limit.**	0-2000Pa	
		Present extract air filter pressure alarm limit.		
37	108	**Temperature displacement**	-5.00 - 5.00°C	
		Present temperature displacement from input signal.		
38	111	**Cool step time**	0-600s	
		Present time between cool step shift.		
39	114	**Cool relay 1 restart time**	0-900s	
		Present time between two starts of cool relay 1.		
40	117	**Cool relay 2 restart time**	0-900s	
		Present time between two starts of cool relay 2.		
41	120	**SA Fan power**	0-32700W	PV 6.04
		Present power consumption level for the supply air fan. Also included slaves. PV 6.04		
42	123	**EA Fan power**	0-32700W	PV 6.04
		Present power consumption level for the extract air fan. Also included slaves. PV 6.04		
43	126	**SFP**	0.0-9.9	
		SFP supply air + extract air.		
44	129	**SA Frequency**	0-100.00Hz	
		Present frequency level for the supply air fan.		
45	132	**EA Frequency**	0-100.00Hz	
		Present frequency level for the extract air fan.		
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**	0-32.700A	PV 6.04
		Present current level for the supply air fan. Also included slaves. PV 6.04		
49	144	**EA Current**	0-32.700A	PV 6.04

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
		Present current level for the extract air fan. Also included slaves. PV 6.04		
50	**147**	**SA Airflow pressure**	0-2000Pa	
		Present airflow pressure in the supply air fan inlet.		
51	**150**	**EA Airflow pressure**	0-2000Pa	
		Present airflow pressure in the extract air fan inlet.		
52	**153**	**Rotary heat exchanger level**	0-100.00%	
		Present operation level from rotary heat exchanger.		
53	**156**	**HX pressure level**	0-2000Pa	
		Present pressure drop for the rotary heat exchanger.		
54	**159**	**HX pressure alarm limit**	0-2000Pa	
		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**	0-2000Pa	
		Supply air filter pressure saved from calibration.		
60	**177**	**Extract air filter pressure level, new**	0-2000Pa	
		Extract air filter pressure saved from calibration.		
61	**180**	**Program version, HMI**	0-10.00	
		Present program version for the hand held terminal.		
62	**183**	**Program version, HMI-slave**	0-10.00	
		Present program version for the extra hand held terminal.		
63	**186**	**Program version, main controller.**	0-10.00	
		Present program version for the main control unit.		
64	**189**	**Program version, SA FC-1.**	0-10.00	
		Present program version for the supply air frequency converter no.1.		
65	**192**	**Program version, SA FC-2.**	0-10.00	
		Present program version for the supply air frequency converter no.2.		
66	**195**	**Program version, EA FC-1.**	0-10.00	
		Present program version for the extract air frequency converter no.1.		
67	**198**	**Program version, EA FC-2.**	0-10.00	
		Present program version for the extract air frequency converter no.2.		
68	**201**	**Program version, HX control unit**	0-10.00	
		Present program version 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).		

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
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**	**Extract air-humidity**	0-100.00%	
		Present level of extract air-humidity.		
75	**222**	**Extract air-humidity temperature**	-55.00-125.00°C	
		Present temperature inside extract air-humidity sensor.		
76	**225**	**Extract air-dewpoint**	-55.00-125.00°C	
		Calculated extract air-dewpoint.		
77	**228**	**AYC chilled water temperature**	-55.00-125.00°C	
		Present AYC chilled water temperature.		
78	**231**	**AYC chilled water temperature regulator**	-55.00-125.00°C	
		Present AYC chilled water temperature regulator setpoint.		
79	**234**	**AYC chilled water output**	0-100.00%	
		Present level of AYC chilled water valve output.		
80	**237**	**Supply air-dewpoint regulator**	-55.00-125.00°C	
		Present supply air-dewpoint regulator setpoint.		
81	**240**	**Supply air-humidity**	0-100.00%	
		Present level of supply air-humidity		
82	**243**	**Supply air-humidity temperature**	-55.00-125.00°C	
		Present temperature inside supply air-humidity sensor.		
83	**246**	**Supply air-dewpoint**	-55.00-125.00°C	
		Calculated supply air-dewpoint.		
84	**249**	**C.HX. Temperature**	-55.00-125.00°C	PV 2.00
		Present temperature of coil heat exchanger.		
85	**252**	**P.HX. Temperature 1**	-55.00-125.00°C	PV 2.00
		Present temperature 1 of plate heat exchanger.		
86	**255**	**P.HX. Temperature 2**	-55.00-125.00°C	PV 2.00
		Present temperature 2 of plate heat exchanger.		
87	**258**	**P/C.HX. Humidity**	0-100.00%	PV 2.00
		Present level of air-humidity in plate/coil heat exchanger.		
88	**261**	**R.HX. Efficiency**	0-100.00%	PV 2.00
		Calculated level of rotary heat exchanger efficiency.		
89	**264**	**C.HX. Valve output**	0-100.00%	PV 5.00
		Present level of coil heat exchanger valve output.		
90	**267**	**P.HX bypass output**	0-100%	PV 5.00
		Present level of plate heat exchanger bypass output.		
91	**270**	**Xzone cool step time**	0-600s	PV 5.00
		Present time between Xzone cool step shift.		
92	**273**	**Xzone cool relay 1 restart time**	0-900s	PV 5.00
		Present time between two starts of Xzone cool relay 1.		
93	**276**	**Xzone cool relay 2 restart time**	0-900s	PV 5.00

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
		Present time between two starts of Xzone cool relay 2.		
94	279	**Supply air pre-filter pressure level**	50-300Pa	PV 5.00
		Present supply air pre-filter pressure drop.		
95	282	**Supply air pre-filter pressure alarm limit.**	50-300Pa	PV 5.00
		Present supply air pre-filter pressure alarm limit.		
96	285	**Supply air pre-filter pressure level, new**	50-300Pa	PV 5.00
		Supply air pre-filter pressure saved from calibration.		
97	288	**Extract air pre-filter pressure level**	50-300Pa	PV 5.00
		Present extract air pre-filter pressure drop.		
98	291	**Extract air pre-filter pressure alarm limit.**	50-300Pa	PV 5.00
		Present extract air pre-filter pressure alarm limit.		
99	294	**Extract air pre-filter pressure level, new**	50-300Pa	PV 5.00
		Extract air pre-filter pressure saved from calibration.		
100	297	**Xzone reheat level**	0-100.00%	PV 5.00
		Present level of Xzone reheat.		
101	300	**Xzone anti frost temperature**	0-40.00°C	PV 5.00
		Present Xzone anti frost temperature for water reheating coils.		
102	303	**Xzone cooling level**	0-100.00%	PV 5.00
		Present level of Xzone cooling.		
103	306	**Xzone SA Temp regulator**	5.00-40.00°C	PV 5.00
		Present Xzone supply air temperature regulator setpoint.		
104	309	**Xzone EA Temp regulator**	5.00-40.00°C	PV 5.00
		Present Xzone extract air temperature regulator setpoint.		
105	312	**Xzone SA Temperature**	5.00-40.00°C	PV 5.00
		Present Xzone supply air temperature.		
106	315	**Xzone EA/Room temperature**	5.00-40.00°C	PV 5.00
		Present Xzone extract air/room temperature.		
107	318	**Pre-heating air temperature**	5.00-40.00°C	PV 5.00
		Present pre-heating air temperature.		
108	321	**Pre-heating level**	0-100.00%	PV 5.00
		Present level of pre-heating.		
109	324	**Pre-heating anti frost temperature**	0-40.00°C	PV 5.00
		Present anti frost temperature for water pre-heating coils.		
110	327	**ReCO2 CO2 input**	0-100.00%	PV 5.00
		Present input signal for ReCO2 CO2.		
111	330	**ReCO2 internal damper output**	0-100.00%	PV 5.00
		Present output signal for ReCO2 internal damper.		
112	333	**ReCO2 external damper output**	0-100.00%	PV 5.00
		Present output signal for ReCO2 internal damper.		
113	336	**ReCO2 outdoor airflow**	0-20000l/s	PV 5.00
		Present ReCO2 outdoor airflow.		
114	339	**ReCO2 outdoor airflow regulator**	0-20000l/s	PV 5.00
		Present ReCO2 outdoor airflow regulator setpoint.		
115	342	**ReCO2 outdoor airflow pressure**	0-2000Pa	PV 5.00
		Present ReCO2 outdoor airflow pressure.		
116	345	**Preheat operation time**	0-9999	PV 5.00
		Present operation time for preheat, measured in minutes and present in days (24h).		
117	348	**Xzone cool operation time**	0-9999	PV 5.00
		Present operation time for Xzone cooling, measured in minutes and present in days (24h).		

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
118	**351**	**Xzone reheat operation time**	0-9999	PV 5.00
		Present operation time for Xzone reheat, measured in minutes and present in days (24h).		
119	**354**	**Supply air-D temperature**	-55.00-125.00°C	PV 5.07
		Present supply air-D temperature.		
120	**357**	**Extract air-D temperature**	-55.00-125.00°C	PV 5.07
		Present extract air-D temperature.		
121	**360**	**AYC heat temperature**	-55.00-125.00°C	PV 5.07
		Present AYC heat temperature.		
122	**363**	**AYC heat temp regulator**	-55.00-125.00°C	PV 5.07
		Present AYC heat temperature regulator setpoint.		
123	**366**	**AYC heat valve output**	0-100.00%	PV 5.07
		Present level of AYC heat valve output.		
124	**369**	**Min/Max/Average Sens1Temp**	-55.00-125.00°C	PV 5.15
		Present Min/Max/Average sensor 1 temperature.		
125	**372**	**Min/Max/Average Sens2Temp**	-55.00-125.00°C	PV 5.15
		Present Min/Max/Average sensor 2 temperature.		
126	**375**	**Min/Max/Average Sens3Temp**	-55.00-125.00°C	PV 5.15
		Present Min/Max/Average sensor 3 temperature.		
127	**378**	**Min/Max/Average Sens4Temp**	-55.00-125.00°C	PV 5.15
		Present Min/Max/Average sensor 4 temperature.		
128	**381**	**Miru 1 Airflow**	0-10000l/s	PV 6.04
		Present Miru 1 airflow.		
129	**384**	**Miru 1 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 1 airflow regulator setpoint.		
130	**387**	**Miru 1 Pressure**	0-750Pa	PV 6.04
		Present Miru 1 air duct pressure.		
131	**390**	**Miru 1 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 1 air duct pressure regulator setpoint.		
132	**393**	**Miru 1 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 1 outdoor air temperature.		
133	**396**	**Miru 1 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 1, measured in minutes and present in days (24h).		
134	**399**	**Miru 1 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 1 air fan.		
135	**402**	**Miru 1 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 1 air fan.		
136	**405**	**Miru 1 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 1 air fan.		
137	**408**	**Miru 1 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 1 air fan.		
138	**411**	**Miru 1 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 1 air fan.		
139	**414**	**Miru 2 Airflow**	0-10000l/s	PV 6.04
		Present Miru 2 airflow.		
140	**417**	**Miru 2 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 2 airflow regulator setpoint.		
141	**420**	**Miru 2 Pressure**	0-750Pa	PV 6.04
		Present Miru 2 air duct pressure.		
142	**423**	**Miru 2 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 2 air duct pressure regulator setpoint.		

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
143	**426**	**Miru 2 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 2 outdoor air temperature.		
144	**429**	**Miru 2 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 2, measured in minutes and present in days (24h).		
145	**432**	**Miru 2 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 2 air fan.		
146	**435**	**Miru 2 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 2 air fan.		
147	**438**	**Miru 2 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 2 air fan.		
148	**441**	**Miru 2 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 2 air fan.		
149	**444**	**Miru 2 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 2 air fan.		
150	**447**	**Miru 3 Airflow**	0-10000l/s	PV 6.04
		Present Miru 3 airflow.		
151	**450**	**Miru 3 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 3 airflow regulator setpoint.		
152	**453**	**Miru 3 Pressure**	0-750Pa	PV 6.04
		Present Miru 3 air duct pressure.		
153	**456**	**Miru 3 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 3 air duct pressure regulator setpoint.		
154	**459**	**Miru 3 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 3 outdoor air temperature.		
155	**462**	**Miru 3 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 3, measured in minutes and present in days (24h).		
156	**465**	**Miru 3 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 3 air fan.		
157	**468**	**Miru 3 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 3 air fan.		
158	**471**	**Miru 3 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 3 air fan.		
159	**474**	**Miru 3 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 3 air fan.		
160	**477**	**Miru 3 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 3 air fan.		
161	**480**	**Miru 4 Airflow**	0-10000l/s	PV 6.04
		Present Miru 4 airflow.		
162	**483**	**Miru 4 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 4 airflow regulator setpoint.		
163	**486**	**Miru 4 Pressure**	0-750Pa	PV 6.04
		Present Miru 4 air duct pressure.		
164	**489**	**Miru 4 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 4 air duct pressure regulator setpoint.		
165	**492**	**Miru 4 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 4 outdoor air temperature.		
166	**495**	**Miru 4 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 4, measured in minutes and present in days (24h).		
167	**498**	**Miru 4 Fan level**	0-100.00%	PV 6.04

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
		Present running level for the Miru 4 air fan.		
168	501	**Miru 4 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 4 air fan.		
169	504	**Miru 4 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 4 air fan.		
170	507	**Miru 4 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 4 air fan.		
171	510	**Miru 4 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 4 air fan.		
172	513	**Miru 5 Airflow**	0-10000l/s	PV 6.04
		Present Miru 5 airflow.		
173	516	**Miru 5 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 5 airflow regulator setpoint.		
174	519	**Miru 5 Pressure**	0-750Pa	PV 6.04
		Present Miru 5 air duct pressure.		
175	522	**Miru 5 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 5 air duct pressure regulator setpoint.		
176	525	**Miru 5 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 5 outdoor air temperature.		
177	528	**Miru 5 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 5, measured in minutes and present in days (24h).		
178	531	**Miru 5 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 5 air fan.		
179	534	**Miru 5 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 5 air fan.		
180	537	**Miru 5 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 5 air fan.		
181	540	**Miru 5 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 5 air fan.		
182	543	**Miru 5 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 5 air fan.		
183	546	**Miru 6 Airflow**	0-10000l/s	PV 6.04
		Present Miru 6 airflow.		
184	549	**Miru 6 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 6 airflow regulator setpoint.		
185	552	**Miru 6 Pressure**	0-750Pa	PV 6.04
		Present Miru 6 air duct pressure.		
186	555	**Miru 6 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 6 air duct pressure regulator setpoint.		
187	558	**Miru 6 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 6 outdoor air temperature.		
188	561	**Miru 6 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 6, measured in minutes and present in days (24h).		
189	564	**Miru 6 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 6 air fan.		
190	567	**Miru 6 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 6 air fan.		
191	570	**Miru 6 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 6 air fan.		
192	573	**Miru 6 KWH**	0-999KWH	PV 6.04

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
		KWH value for Miru 6 air fan.		
193	**576**	**Miru 6 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 6 air fan.		
194	**579**	**Miru 7 Airflow**	0-10000l/s	PV 6.04
		Present Miru 7 airflow.		
195	**582**	**Miru 7 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 7 airflow regulator setpoint.		
196	**585**	**Miru 7 Pressure**	0-750Pa	PV 6.04
		Present Miru 7 air duct pressure.		
197	**588**	**Miru 7 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 7 air duct pressure regulator setpoint.		
198	**591**	**Miru 7 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 7 outdoor air temperature.		
199	**594**	**Miru 7 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 7, measured in minutes and present in days (24h).		
200	**597**	**Miru 7 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 7 air fan.		
201	**600**	**Miru 7 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 7 air fan.		
202	**603**	**Miru 7 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 7 air fan.		
203	**606**	**Miru 7 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 7 air fan.		
204	**609**	**Miru 7 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 7 air fan.		
205	**612**	**Miru 8 Airflow**	0-10000l/s	PV 6.04
		Present Miru 8 airflow.		
206	**615**	**Miru 8 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 8 airflow regulator setpoint.		
207	**618**	**Miru 8 Pressure**	0-750Pa	PV 6.04
		Present Miru 8 air duct pressure.		
208	**621**	**Miru 8 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 8 air duct pressure regulator setpoint.		
209	**624**	**Miru 8 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 8 outdoor air temperature.		
210	**627**	**Miru 8 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 8, measured in minutes and present in days (24h).		
211	**630**	**Miru 8 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 8 air fan.		
212	**633**	**Miru 8 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 8 air fan.		
213	**636**	**Miru 8 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 8 air fan.		
214	**639**	**Miru 8 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 8 air fan.		
215	**642**	**Miru 8 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 8 air fan.		
216	**645**	**Miru 9 Airflow**	0-10000l/s	PV 6.04
		Present Miru 9 airflow.		
217	**648**	**Miru 9 Airflow regulator**	0-10000l/s	PV 6.04

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
		Present Miru 9 airflow regulator setpoint.		
218	651	**Miru 9 Pressure**	0-750Pa	PV 6.04
		Present Miru 9 air duct pressure.		
219	654	**Miru 9 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 9 air duct pressure regulator setpoint.		
220	657	**Miru 9 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 9 outdoor air temperature.		
221	660	**Miru 9 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 9, measured in minutes and present in days (24h).		
222	663	**Miru 9 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 9 air fan.		
223	666	**Miru 9 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 9 air fan.		
224	669	**Miru 9 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 9 air fan.		
225	672	**Miru 9 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 9 air fan.		
226	675	**Miru 9 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 9 air fan.		
227	678	**Miru 10 Airflow**	0-10000l/s	PV 6.04
		Present Miru 10 airflow.		
228	681	**Miru 10 Airflow regulator**	0-10000l/s	PV 6.04
		Present Miru 10 airflow regulator setpoint.		
229	684	**Miru 10 Pressure**	0-750Pa	PV 6.04
		Present Miru 10 air duct pressure.		
230	687	**Miru 10 Pressure regulator**	0-750Pa	PV 6.04
		Present Miru 10 air duct pressure regulator setpoint.		
231	690	**Miru 10 Outdoor temperature**	-55.00-95.00°C	PV 6.04
		Present Miru 10 outdoor air temperature.		
232	693	**Miru 10 Operation time**	0-9999	PV 6.04
		Present operation time for Miru 10, measured in minutes and present in days (24h).		
233	696	**Miru 10 Fan level**	0-100.00%	PV 6.04
		Present running level for the Miru 10 air fan.		
234	699	**Miru 10 Fan power**	0-6000W	PV 6.04
		Present power consumption level for the Miru 10 air fan.		
235	702	**Miru 10 SFP**	0.00-5.00	PV 6.04
		SFP value for Miru 10 air fan.		
236	705	**Miru 10 KWH**	0-999KWH	PV 6.04
		KWH value for Miru 10 air fan.		
237	708	**Miru 10 MWH**	0-32000MWH	PV 6.04
		MWH value for Miru 10 air fan.		
238	711	**BB Cool temp regulator**	-40.0-176.0°C	PV 6.05
		Present Blue Box cool temperature regulator setpoint.		
239	714	**BB Heat temp regulator**	-40.0-176.0°C	PV 6.05
		Present Blue Box heat temperature regulator setpoint.		
240	717	**BB Supply water temperature**	-20.0-80.0°C	PV 6.05
		Present Blue Box supply water temperature.		
241	720	**BB Return water temperature**	-40.0-176.0°C	PV 6.05
		Present Blue Box return water temperature.		

Real var. Vpac 2 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
242	**723**	**BB Supply pre-coil temperature**	-20.0-80.0°C	PV 6.05
		Present Blue Box pre-coil water temperature.		
243	**726**	**Extended ext. reg. seq. frost temp**	-55.00-125.00°C	PV 6.07
		Present extended extra regulation sequence frost temperature.		
244	**729**	**Extended ext. reg. seq. Output**	0-100.00%	PV 6.07
		Present extended extra regulation sequence output.		
245	**732**	**Steam humid output**	0-100.00%	PV 6.07
		Present steam humidification output.		
246	**735**	**End-filter pressure level**	0-2000Pa	PV 6.07
		Present supply air end-filter pressure drop.		
247	**738**	**End-filter pressure level, new**	0-2000Pa	PV 6.07
		Supply air end-filter pressure saved from calibration.		
248	**741**	**End-filter pressure alarm limit**	0-2000Pa	PV 6.07
		Present supply air end-filter pressure alarm limit.		

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	PV 5.00
		Present tripped alarm number with highest priority.		
8	7	**Active not tripped alarm no.1**	0-200	PV 5.00
		Present active alarm in delay.		
9	8	**Active not tripped alarm no.2**	0-200	PV 5.00
		Present active alarm in delay.		
10	9	**Active not tripped alarm no.3**	0-200	PV 5.00
		Present active alarm in delay.		
11	10	**SA Fan size**	04 - 120	
		Present supply air fan size.		
12	11	**EA Fan size**	04 - 120	
		Present extract air fan size.		
13	12	**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)		
14	13	**Operation mode 2**	0 - 22	PV 5.00

Index var. Vpac 3 (RO)

Index	Cell nbr.	Name	Min/Max	Misc
		0= 1=Cold 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)		
15	**14**	**Operation mode, manual**	0 - 3	
		Present manual operation set on the unit's hand held terminal. 0=Stop. 1=Auto operation. 2=Manual low speed. 3=Manual high speed.		
16	**15**	**BB Operation mode**	0-2	PV 6.05
		Present Blue Box operation mode. 0=Stop 1=Heat 2=Cool		

Logical var. Vpac 4 (RO) 1bit

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.		
121	120	**Alarm number 100**	0-1	

Logical var. Vpac 4 (RO) 1bit

Index	Cell no.	Name	Min/Max	Misc
		Status if alarm number 100 is active.		
122	121	**AYC heat pump output**	0-1	PV 5.07
		Status for AYC heat pump output.		
123	122	**AYC cool pump output**	0-1	PV 5.07
		Status for AYC cool pump output.		
124	123	**C.HX. pump output**	0-1	PV 2.00
		Status for coil heat exchanger pump output.		
125	124	**R.HX rotation monitor**	0-1	PV 3.00
		Status from the rotation detector.		
126	125	**Xzone heat output**	0-1	PV 5.00
		Status for relay output.		
127	126	**Xzone cool output 1**	0-1	PV 5.00
		Status for relay output.		
128	127	**Xzone cool output 2**	0-1	PV 5.00
		Status for relay output.		
129	128	**Pre-heat output**	0-1	PV 5.00
		Status for relay output.		
130	129	**IO-mod 3 output 1**	0-1	PV 5.07
		Status for I/O-module no. 3 relay 1 output.		
131	130	**IO-mod 3 output 2**	0-1	PV 5.07
		Status for I/O-module no. 3 relay 2 output.		
132	131	**IO-mod 4 output 1**	0-1	PV 5.10
		Status for I/O-module no. 4 relay 1 output.		
133	132	**Miru 1 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
134	133	**Miru 2 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
135	134	**Miru 3 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
136	135	**Miru 4 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
137	136	**Miru 5 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
138	137	**Miru 6 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
139	138	**Miru 7 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
140	139	**Miru 8 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
141	140	**Miru 9 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
142	141	**Miru 10 Alarm**	0-1	PV 6.04
		Status of group alarm from Miru fan.		
143	142	**Extended ext. reg. seq. Pump**	0-1	PV 6.07
		Status of extended extra regulation sequence pump output.		
144	143	**Season heating mode**	0-1	PV 6.07
		Status of season heating mode.		
145	144	**Reserve 24**		
146	145	**Reserve 25**		
147	146	**Reserve 26**		

Logical var. Vpac 4 (RO) 1bit

Index	Cell no.	Name	Min/Max	Misc
148	**147**	**Reserve 27**		
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.		
168	**167**	**Info number 20**	0-1	PV 5.00
		Status if info number 20 is active.		
169	**168**	**Alarm number 101**	0-1	PV 5.00
		Status if alarm number 101 is active.		
170	**169**	**Alarm number 102**	0-1	PV 5.00
		Status if alarm number 102 is active.		
171	**170**	**Alarm number 103**	0-1	PV 5.00
		Status if alarm number 103 is active.		
248	**247**	**Alarm number 180**	0-1	PV 5.00
		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**	0-8200l/s	
		Supply airflow setpoint for the unit when running in low speed operation.		
2	3	**SA High speed airflow setpoint**	0-8200l/s	
		Supply airflow setpoint for the unit when running in high speed operation.		
3	6	**SA Max speed airflow setpoint**	0-8200l/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**	0-8200l/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**	0-8200l/s	
		Extract airflow setpoint for the unit when running in low speed operation.		
6	15	**EA High speed airflow setpoint**	0-8200l/s	
		Extract airflow setpoint for the unit when running in high speed operation.		
7	18	**EA Max speed airflow setpoint**	0-8200l/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**	0-8200l/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**	20-750Pa	
		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**	20-750Pa	
		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**	20-750Pa	
		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%	

Real var. Vpac 5 (R/W).

Index	Cell nbr.	Name	Min/Max	Misc
		Max. limit for the extract air fan speed when running in pressure regulation mode.		
16	45	**EA Max speed pressure setpoint**	20-750Pa	
		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 30..31 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 30..31 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 32..33 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 32..33 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 Breakpoint**	12.00 - 26.00°C	
		Breakpoint setting according to the diagram for ERS 1.		
23	66	**ERS 2 Breakpoint X1**	10.00-38.00°C	
		Breakpoint X1 setting according to the diagram for ERS 2.		
24	69	**ERS 2 Breakpoint Y1**	10.00-40.00°C	
		Breakpoint Y1 setting according to the diagram for ERS 2.		
25	72	**ERS 2 Breakpoint X2**	11.00-39.00°C	
		Breakpoint X2 setting according to the diagram for ERS 2.		
26	75	**ERS 2 Breakpoint Y2**	10.00-40.00°C	
		Breakpoint Y2 setting according to the diagram for ERS 2.		
27	78	**ERS 2 Breakpoint X3**	12.00-40.00°C	
		Breakpoint X3 setting according to the diagram for ERS 2.		
28	81	**ERS 2 Breakpoint Y3**	10.00-40.00°C	
		Breakpoint 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**	10.00-40.00°C	
		Extract air/room temperature setting, for Extract air/room temp regulation mode.		
31	90	**SA Min temp setpoint**	8.00-20.00°C	

Real var. Vpac 5 (R/W).

Index	Cell nbr.	Name	Min/Max	Misc
		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 neutral 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**	0-8200l/s	
		Supply air min. air flow setting for cooling.		
40	117	**EA Cool min air flow**	0-8200l/s	
		Extract air min. air flow setting for cooling.		
41	120	**Heating boost start limit**	0.00-40.00°C	
		Heating boost start temperature limit.		
42	123	**Cooling boost start limit**	0.00-40.00°C	
		Cooling boost (comfort) start temperature limit.		
43	126	**SA Filter alarm limit**	50-300Pa	
		Supply air filter pressure alarm limit setting.		
44	129	**EA Filter alarm limit**	50-300Pa	
		Extract air filter pressure alarm limit setting.		
45	132	**Int. Night heat room start temp**	5.00-25.00°C	
		Intermittent night heat function, extract air temperature setting for start.		
46	135	**Int. Night heat room stop temp**	5.00-25.00°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**	0-8200l/s	
		Intermittent night heat function, supply airflow setpoint during night heat.		
49	144	**Int. Night heat EA airflow setpoint**	0-8200l/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	

Real var. Vpac 5 (R/W).

Index	Cell nbr.	Name	Min/Max	Misc
		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	**Extra Reg. Sequence max output**	0-100.00%	
		Maximum output signal setting for the extra regulation sequence.		
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	**Reserve**		
67	198	**Cooling off period**	60 - 900s	
		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**	2000-2099	
		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	

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Index	Cell nbr.	Name	Min/Max	Misc
		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 - 2.0	PV 5.07
		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	PV 5.00
		Supply air temperature regulator P-band setting.		
92	**273**	**EA/Room Temperature P-band**	1.00 - 40.00	PV 5.00
		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.		

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Index	Cell nbr.	Name	Min/Max	Misc
96	**285**	**EA/Room Heat Reg C-factor**	0.000 - 2.500	
		Extract air/room reheat regulator affection setting.		
97	**288**	**SA Extra Reg heat C-factor**	0.000 - 2.500	
		Supply air extra regulation sequence for reheating regulator affection setting.		
98	**291**	**SA Extra Reg cool C-factor**	0.000 - 2.500	
		Supply air extra regulation sequence for cooling regulator affection setting.		
99	**294**	**EA Extra Reg heat C-factor**	0.000 - 2.500	
		Extract air extra regulation sequence for reheating regulator affection setting.		
100	**297**	**EA Extra Reg cool C-factor**	0.000 - 2.500	
		Extract air extra regulation sequence for cooling regulator affection setting.		
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**	**P/C.HX. defrost P-band**	1.00 - 40.00	PV 2.00
		Plate/coil heat exchange defrost P-band setting.		
109	**324**	**P/C.HX. defrost C-factor**	0.000 - 2.500	PV 2.00
		Plate/coil heat exchange defrost C-factor setting.		
110	**327**	**SA dehumid P-band**	1.00 - 40.00	PV 5.00
		SA dehumid regulator P-band setting.		
111	**330**	**SA dehumid C-factor**	0.000 - 2.500	
		SA dehumid regulator affection setting.		
112	**333**	**Dewpoint reg. P-band**	1.00 - 40.00	PV 5.00
		Dewpoint regulator P-band setting.		
113	**336**	**Dewpoint reg. C-factor**	0.000 - 2.500	
		Dewpoint regulator affection setting.		
114	**339**	**AYC chilled water temperature**	5.00-30.00°C	
		Setting of AYC chilled water temperature setpoint.		
115	**342**	**Dewpoint neutralzone**	0.00-5.00°C	
		Dewpoint neutralzone setting.		
116	**345**	**Comp. airflow**	0-30.00%	
		Setting of comp. airflow.		
117	**348**	**Supply air-humidity**	10.00-90.00%	
		Setting of supply air-humidity.		
118	**351**	**Water heating periodic op. time**	0-60min	
		Setting of periodic op. time (minute).		

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Index	Cell nbr.	Name	Min/Max	Misc
119	**354**	**Water heating interval**	0-168h	
		Setting of water heating interval time (hour).		
120	**357**	**Cool periodic op. time**	0-60min	PV 2.02
		Setting of periodic op. time (minute).		
121	**360**	**Cool interval**	0-168h	PV 2.02
		Setting of cool interval time (hour).		
122	**363**	**P/C.HX. bypass adj.**	-5.00-5.00°C	PV 2.02
		Setting of plate/coil heat exchange bypass adjustment.		
123	**366**	**EA/Room temperature com.**	-55.00-125.00°C	PV 3.00
		Setting of EA/Room temperature via communication.		
124	**369**	**Outdoor temperature com.**	-55.00-125.00°C	PV 3.00
		Setting of outdoor temperature via communication.		
125	**372**	**SA speed at fire.**	50.00-100.00%	PV 3.00
		Setting of supply air speed at fire.		
126	**375**	**EA speed at fire.**	50.00-100.00%	PV 3.00
		Setting of extract air speed at fire.		
127	**378**	**Temperature alarm setpoint.**	-25.00-25.00°C	PV 3.00
		Temperature alarm function setting (no.80).		
128	**381**	**Timeout temperature com.**	0-9999min	PV 3.00
		Setting of timeout for temperature via communication (Vpac5 index 123, 124).		
129	**384**	**Temperature alarm time.**	1-999s	PV 3.00
		Setting of delay time for temperature alarm (no.80).		
130	**387**	**Supply air min P-band.**	1.00 - 40.00	PV 3.00
		Supply air min regulator P-band setting.		
131	**390**	**Supply air min C-factor.**	0.000 - 2.500	PV 3.00
		Supply air min regulator affection setting.		
132	**393**	**Supply air max P-band.**	1.00 - 40.00	PV 3.00
		Supply air max regulator P-band setting.		
133	**396**	**Supply air max C-factor.**	0.000 - 2.500	PV 3.00
		Supply air min regulator affection setting.		
134	**399**	**Year channel 1 start year.**	2000 - 2099	PV 3.00
135	**402**	**Year channel 1 stop year.**	2000 - 2099	PV 3.00
136	**405**	**Year channel 2 start year.**	2000 - 2099	PV 3.00
137	**408**	**Year channel 2 stop year.**	2000 - 2099	PV 3.00
138	**411**	**Year channel 3 start year.**	2000 - 2099	PV 3.00
139	**414**	**Year channel 3 stop year.**	2000 - 2099	PV 3.00
140	**417**	**Year channel 4 start year.**	2000 - 2099	PV 3.00
141	**420**	**Year channel 4 stop year.**	2000 - 2099	PV 3.00
142	**423**	**Year channel 5 start year.**	2000 - 2099	PV 3.00
143	**426**	**Year channel 5 stop year.**	2000 - 2099	PV 3.00
144	**429**	**Year channel 6 start year.**	2000 - 2099	PV 3.00
145	**432**	**Year channel 6 stop year.**	2000 - 2099	PV 3.00
146	**435**	**Year channel 7 start year.**	2000 - 2099	PV 3.00
147	**438**	**Year channel 7 stop year.**	2000 - 2099	PV 3.00
148	**441**	**Year channel 8 start year.**	2000 - 2099	PV 3.00
149	**444**	**Year channel 8 stop year.**	2000 - 2099	PV 3.00
150	**447**	**SA pre-filter alarm limit.**	50-300Pa	PV 5.00
		Supply air pre-filter pressure alarm limit setting.		
151	**450**	**EA pre-filter alarm limit.**	50-300Pa	PV 5.00
		Extract air pre-filter pressure alarm limit setting.		
152	**453**	**Xzone temperature reg. Neutral zone.**	0.50-10.00°C	PV 5.00

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Index	Cell nbr.	Name	Min/Max	Misc
		Xzone neutral zone setting before shift between heating and cooling.		
153	**456**	**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.		
154	**459**	**Xzone ERS 1 Breakpoint.**	12.00 - 26.00°C	PV 5.00
		Breakpoint setting according to the diagram for Xzone ERS 1.		
155	**462**	**Xzone ERS 2 Breakpoint X1.**	10.00-38.00°C	PV 5.00
		Breakpoint X1 setting according to the diagram for Xzone ERS 2.		
156	**465**	**Xzone ERS 2 Breakpoint Y1.**	10.00-40.00°C	PV 5.00
		Breakpoint Y1 setting according to the diagram for Xzone ERS 2.		
157	**468**	**Xzone ERS 2 Breakpoint X2.**	11.00-39.00°C	PV 5.00
		Breakpoint X2 setting according to the diagram for Xzone ERS 2.		
158	**471**	**Xzone ERS 2 Breakpoint Y2.**	10.00-40.00°C	PV 5.00
		Breakpoint Y2 setting according to the diagram for Xzone ERS 2.		
159	**474**	**Xzone ERS 2 Breakpoint X3.**	12.00-40.00°C	PV 5.00
		Breakpoint X3 setting according to the diagram for Xzone ERS 2.		
160	**477**	**Xzone ERS 2 Breakpoint Y3.**	10.00-40.00°C	PV 5.00
		Breakpoint Y3 setting according to the diagram for Xzone ERS 2.		
161	**480**	**Xzone SA Temperature setpoint.**	10.00-40.00°C	PV 5.00
		Xzone supply air temperature setting, for supply air temp regulation mode.		
162	**483**	**Xzone EA/Room Temperature setpoint.**	10.00-30.00°C	PV 5.00
		Xzone extract air/room temperature setting, for extract air/room temp regulation mode.		
163	**486**	**Xzone SA Min temp setpoint.**	8.00-20.00°C	PV 5.00
		Xzone supply air min.setpoint during EA/room regulation mode.		
164	**489**	**Xzone SA Max temp setpoint.**	16.00-50.00°C	PV 5.00
		Xzone supply air max.setpoint during EA/room regulation mode.		
165	**492**	**Pre-heating setpoint.**	-30.00-30.00°C	PV 5.00
		Setting of pre-heating temperature setpoint.		
166	**495**	**Xzone P-band.**	1.00-40.00	PV 5.00
		Xzone regulator P-band setting.		
167	**498**	**Xzone SA reheat C-factor.**	0.000 - 2.500	PV 5.00
		Xzone supply air reheat regulator affection setting.		
168	**501**	**Xzone SA cooling C-factor.**	0.000 - 2.500	PV 5.00
		Xzone supply air cooling regulator affection setting.		
169	**504**	**Xzone EA reheat C-factor.**	0.000 - 2.500	PV 5.00
		Xzone extract air reheat regulator affection setting.		
170	**507**	**Xzone EA cooling C-factor.**	0.000 - 2.500	PV 5.00
		Xzone extract air cooling regulator affection setting.		
171	**510**	**Xzone SA min P-band.**	1.00 - 40.00	PV 5.00
		Xzone supply air min regulator P-band setting.		

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Index	Cell nbr.	Name	Min/Max	Misc
172	**513**	**Xzone SA min C-factor.**	0.000 - 2.500	PV 5.00
		Xzone supply air min regulator affection setting.		
173	**516**	**Xzone SA max P-band.**	1.00 - 40.00	PV 5.00
		Xzone supply air max regulator P-band setting.		
174	**519**	**Xzone SA max C-factor.**	0.000 - 2.500	PV 5.00
		Xzone supply air min regulator affection setting.		
175	**522**	**Pre-heat P-band.**	1.00 - 40.00	PV 5.00
		Pre-heat regulator P-band setting.		
176	**525**	**Pre-heat C-factor.**	0.000 - 2.500	PV 5.00
		Pre-heat regulator affection setting.		
177	**528**	**ReCO2 CO2 setpoint.**	0-100.00%	PV 5.00
		Setting of ReCO2 CO2 setpoint.		
178	**531**	**ReCO2 min outdoor air.**	0-8200l/s	PV 5.00
		Setting of ReCO2 min outdoor air.		
179	**534**	**ReCO2 min exhaust air.**	0-8200l/s	PV 5.00
		Setting of ReCO2 min exhaust air.		
180	**537**	**ReCO2 CO2 P-band.**	1.00 - 100.00	PV 5.00
		ReCO2 CO2 regulator P-band setting.		
181	**540**	**ReCO2 CO2 C-factor.**	0.000 - 5.000	PV 5.00
		ReCO2 CO2 regulator affection setting.		
182	**543**	**ReCO2 CO2 flow C-factor.**	0.000 - 5.000	PV 5.00
		ReCO2 flow regulator affection setting.		
183	**546**	**ReCO2 heating C-factor.**	0.000 - 5.000	PV 5.00
		ReCO2 heating regulator affection setting.		
184	**549**	**ReCO2 cooling C-factor.**	0.000 - 5.000	PV 5.00
		ReCO2 heating regulator affection setting.		
185	**552**	**AYC heat temp set.**	10.00-80.00°C	PV 5.07
		Setting of AYC heated water temperature setpoint.		
186	**555**	**AYC heat P-band.**	1.00 - 40.00	PV 5.07
		AYC heat regulator P-band setting.		
187	**558**	**AYC heat C-factor.**	0.000 - 2.500	PV 5.07
		AYC heat regulator affection setting.		
188	**561**	**AYC cool P-band.**	1.00 - 40.00	PV 5.07
		AYC cool regulator P-band setting.		
189	**564**	**AYC cool C-factor.**	0.000 - 2.500	PV 5.07
		AYC cool regulator affection setting.		
190	**567**	**AYC heat out comp. X1.**	-40.00-40.00°C	PV 5.07
		AYC outdoor compensation of heated water, outdoor temp X1 setting.		
191	**570**	**AYC heat out comp. Y1.**	10.00-80.00°C	PV 5.07
		AYC outdoor compensation of heated water, heated water temp Y1 setting.		
192	**573**	**AYC heat out comp. X2.**	-40.00-40.00°C	PV 5.07
		AYC outdoor compensation of heated water, outdoor temp X2 setting.		
193	**576**	**AYC heat out comp. Y2.**	10.00-80.00°C	PV 5.07
		AYC outdoor compensation of heated water, heated water temp Y2 setting.		
194	**579**	**AYC heat out comp. X3.**	-40.00-40.00°C	PV 5.07
		AYC outdoor compensation of heated water, outdoor temp X3 setting.		
195	**582**	**AYC heat out comp. Y3.**	10.00-80.00°C	PV 5.07

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Index	Cell nbr.	Name	Min/Max	Misc
		AYC outdoor compensation of heated water, heated water temp Y3 setting.		
196	**585**	**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.		
197	**588**	**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.		
198	**591**	**AYC heat night comp temp.**	-10.00-10.00°C	PV 5.07
		AYC night compensation of heated water, heated water night setting.		
199	**594**	**AYC heat pump on temp.**	-40.00-40.00°C	PV 5.07
		AYC pump operation of heated water, outdoor temp start setting.		
200	**597**	**AYC heat pump off temp.**	-40.00-40.00°C	PV 5.07
		AYC pump operation of heated water, outdoor temp stop setting.		
201	**600**	**AYC cool out comp. X1.**	-40.00-40.00°C	PV 5.07
		AYC outdoor compensation of chilled water, outdoor temp X1 setting.		
202	**603**	**AYC cool out comp. Y1.**	10.00-80.00°C	PV 5.07
		AYC outdoor compensation of chilled water, chilled water temp Y1 setting.		
203	**606**	**AYC cool out comp. X2.**	-40.00-40.00°C	PV 5.07
		AYC outdoor compensation of chilled water, outdoor temp X2 setting.		
204	**609**	**AYC cool out comp. Y2.**	10.00-80.00°C	PV 5.07
		AYC outdoor compensation of chilled water, chilled water temp Y2 setting.		
205	**612**	**AYC cool out comp. X3.**	-40.00-40.00°C	PV 5.07
		AYC outdoor compensation of chilled water, outdoor temp X3 setting.		
206	**615**	**AYC cool out comp. Y3.**	10.00-80.00°C	PV 5.07
		AYC outdoor compensation of chilled water, chilled water temp Y3 setting.		
207	**618**	**AYC cool room comp. temp limit.**	0.00-40.00°C	PV 5.07
		AYC room compensation of chilled water, chilled water temp limit setting.		
208	**621**	**AYC cool room comp. P-band.**	1.00-10.00°C	PV 5.07
		AYC room compensation of chilled water, chilled water P-band setting.		
209	**624**	**AYC cool night comp temp.**	-10.00-10.00°C	PV 5.07
		AYC night compensation of chilled water, chilled water night setting.		
210	**627**	**AYC cool pump on temp.**	-40.00-40.00°C	PV 5.07
		AYC pump operation of chilled water, outdoor temp start setting.		
211	**630**	**AYC cool pump off temp.**	-40.00-40.00°C	PV 5.07
		AYC pump operation of chilled water, outdoor temp stop setting.		
212	**633**	**AYC heat per op time.**	0-60min	PV 5.07

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Index	Cell nbr.	Name	Min/Max	Misc
		AYC periodic operation of heated water, time (minute) setting.		
213	**636**	**AYC heat per op interval.**	0-168h	PV 5.07
		AYC periodic operation of heated water, interval time (hour) setting.		
214	**639**	**AYC cool per op time.**	0-60min	PV 5.07
		AYC periodic operation of chilled water, time (minute) setting.		
215	**642**	**AYC cool per op interval.**	0-168h	PV 5.07
		AYC periodic operation of chilled water, interval time (hour) setting.		
216	**645**	**Humid reg. Start.**	10.00-90.00%	PV 5.10
		Humidifying start limit setting.		
217	**648**	**Humid reg. Stop.**	15.00-95.00%	PV 5.10
		Humidifying stop limit setting.		
218	**651**	**Miru 1 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 1 airflow setpoint for the unit when running in low speed operation.		
219	**654**	**Miru 1 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 1 airflow setpoint for the unit when running in high speed operation.		
220	**657**	**Miru 1 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 1 air duct pressure setpoint for the unit when running in low speed operation.		
221	**660**	**Miru 1 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 1 air duct pressure setpoint for the unit when running in high speed operation.		
222	**663**	**Miru 2 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 2 airflow setpoint for the unit when running in low speed operation.		
223	**666**	**Miru 2 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 2 airflow setpoint for the unit when running in high speed operation.		
224	**669**	**Miru 2 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 2 air duct pressure setpoint for the unit when running in low speed operation.		
225	**672**	**Miru 2 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 2 air duct pressure setpoint for the unit when running in high speed operation.		
226	**675**	**Miru 3 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 3 airflow setpoint for the unit when running in low speed operation.		
227	**678**	**Miru 3 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 3 airflow setpoint for the unit when running in high speed operation.		
228	**681**	**Miru 3 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 3 air duct pressure setpoint for the unit when running in low speed operation.		
229	**684**	**Miru 3 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 3 air duct pressure setpoint for the unit when running in high speed operation.		
230	**687**	**Miru 4 Low speed airflow setpoint**	0-10000l/s	PV 6.04

Real var. Vpac 5 (R/W).

Index	Cell nbr.	Name	Min/Max	Misc
		Miru 4 airflow setpoint for the unit when running in low speed operation.		
231	**690**	**Miru 4 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 4 airflow setpoint for the unit when running in high speed operation.		
232	**693**	**Miru 4 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 4 air duct pressure setpoint for the unit when running in low speed operation.		
233	**696**	**Miru 4 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 4 air duct pressure setpoint for the unit when running in high speed operation.		
234	**699**	**Miru 5 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 5 airflow setpoint for the unit when running in low speed operation.		
235	**702**	**Miru 5 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 5 airflow setpoint for the unit when running in high speed operation.		
236	**705**	**Miru 5 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 5 air duct pressure setpoint for the unit when running in low speed operation.		
237	**708**	**Miru 5 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 5 air duct pressure setpoint for the unit when running in high speed operation.		
238	**711**	**Miru 6 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 6 airflow setpoint for the unit when running in low speed operation.		
239	**714**	**Miru 6 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 6 airflow setpoint for the unit when running in high speed operation.		
240	**717**	**Miru 6 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 6 air duct pressure setpoint for the unit when running in low speed operation.		
241	**720**	**Miru 6 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 6 air duct pressure setpoint for the unit when running in high speed operation.		
242	**723**	**Miru 7 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 7 airflow setpoint for the unit when running in low speed operation.		
243	**726**	**Miru 7 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 7 airflow setpoint for the unit when running in high speed operation.		
244	**729**	**Miru 7 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 7 air duct pressure setpoint for the unit when running in low speed operation.		
245	**732**	**Miru 7 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 7 air duct pressure setpoint for the unit when running in high speed operation.		
246	**735**	**Miru 8 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 8 airflow setpoint for the unit when running in low speed operation.		
247	**738**	**Miru 8 High speed airflow setpoint**	0-10000l/s	PV 6.04

Real var. Vpac 5 (R/W).

Index	Cell nbr.	Name	Min/Max	Misc
		Miru 8 airflow setpoint for the unit when running in high speed operation.		
248	**741**	**Miru 8 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 8 air duct pressure setpoint for the unit when running in low speed operation.		
249	**744**	**Miru 8 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 8 air duct pressure setpoint for the unit when running in high speed operation.		
250	**747**	**Miru 9 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 9 airflow setpoint for the unit when running in low speed operation.		
251	**750**	**Miru 9 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 9 airflow setpoint for the unit when running in high speed operation.		
252	**753**	**Miru 9 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 9 air duct pressure setpoint for the unit when running in low speed operation.		
253	**756**	**Miru 9 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 9 air duct pressure setpoint for the unit when running in high speed operation.		
254	**759**	**Miru 10 Low speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 10 airflow setpoint for the unit when running in low speed operation.		
255	**762**	**Miru 10 High speed airflow setpoint**	0-10000l/s	PV 6.04
		Miru 10 airflow setpoint for the unit when running in high speed operation.		
256	**765**	**Miru 10 Low speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 10 air duct pressure setpoint for the unit when running in low speed operation.		
257	**768**	**Miru 10 High speed pressure setpoint**	0-750Pa	PV 6.04
		Miru 10 air duct pressure setpoint for the unit when running in high speed operation.		
258	**771**	**BB Cool temp setpoint**	-20.0-80.0°C	PV 6.05
		Blue Box cooling temperature setpoint.		
259	**774**	**BB Heat temp setpoint**	10.0-80.0°C	PV 6.05
		Blue Box heating temperature setpoint.		
260	**777**	**BB Optimize upper valve limit**	70.00-100.00%	PV 6.05
		Blue Box optimize function upper valve limit.		
261	**780**	**BB Optimize lower valve limit**	5.00-90.00%	PV 6.05
		Blue Box optimize function lower valve limit.		
262	**783**	**BB Optimize delay**	30-32000s	PV 6.05
		Blue Box optimize function delay time.		
263	**786**	**BB Cool optimize up**	0.1-6.0°C	PV 6.05
		Blue Box cooling optimize function up.		
264	**789**	**BB Cool optimize down**	0.1-6.0°C	PV 6.05
		Blue Box cooling optimize function down.		
265	**792**	**BB Heat optimize up**	0.1-6.0°C	PV 6.05
		Blue Box heating optimize function up.		
266	**795**	**BB Heat optimize down**	0.1-6.0°C	PV 6.05
		Blue Box heating optimize function down.		
267	**798**	**BB Cool optimize diff temperature**	1.0-10.0°C	PV 6.05

Real var. Vpac 5 (R/W).

Index	Cell nbr.	Name	Min/Max	Misc
		Blue Box cooling optimize function differential temperature.		
268	**801**	**BB Heat optimize diff temperature**	1.0-10.0°C	PV 6.05
		Blue Box heating optimize function differential temperature.		
269	**804**	**Steam humid extract air setpoint**	0-100.00%	PV 6.07
		Steam humidification extract air setpoint.		
270	**807**	**Steam humid supply air max limit**	0-100.00%	PV 6.07
		Steam humidification supply air max limit.		
271	**810**	**Steam humid extract air P-band**	1-60.00%	PV 6.07
		Steam humidification extract air P-band.		
272	**813**	**Steam humid extract air C-factor**	0-3.000	PV 6.07
		Steam humidification extract air C-factor.		
273	**816**	**Steam humid supply air max P-band**	1-60.00%	PV 6.07
		Steam humidification supply air max P-band.		
274	**819**	**Steam humid supply air max C-factor**	0-3.000	PV 6.07
		Steam humidification supply air max C-factor.		
275	**822**	**End-filter alarm limit**	10-1000Pa	PV 6.07
		Supply air end-filter pressure alarm limit setting.		

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 breakpoint.		
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 - 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 economy (PV 2.00) 6=CoolDX comfort (PV 3.00)		
6	5	**Heating boost regulation mode.**	0 - 1	
		Setting for heating boost function. 0=Inactive. 1=Active.		
7	6	**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).		
8	7	**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).		
9	8	**Air adjustment time, minutes**	0 - 59	
		Setting for amount of minutes to air adjustment function.		
10	9	**Air adjustment time, hours**	0 - 28	
		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	**Extra regulation sequence cool mode**	0 - 2	

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Setting of extra regulation sequence cool type. 0=Inactive. 1=Comfort. 2=Economy.		
16	**15**	**Extra regulation sequence heat mode**	0 - 2	
		Setting of extra regulation sequence heat type. 0=Inactive. 1=Comfort. 2=Economy.		
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	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.		
24	**23**	**Service period 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	PV 2.02
		Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve (PV 2.02)		
31	**30**	**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)		

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
32	31	**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)		
33	32	**Time channel 1 status**	0-10,16-26	
		Low speed **High speed** 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		
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	

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
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**	**Hand held terminal language**	0 - 18	PV 5.01
		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)		
74	**73**	**Air flow unit**	0 -2	
		Setting of air flow unit presented in the unit's hand held terminal and WEB. 0=l/s, 1=m3/s, 2=m3/h.		
75	**74**	**Reserve**		PV 3.00
76	**75**	**EA/Room temperature (external) func.**	0-3	PV 5.15
		Setting of EA/Room temperature (external) function. 0=Inactive. 1=Input signal on terminal 40..41. 2=Communication (Vpac 5 index 123). 3=Min/Max/Average (PV 5.15).		
77	**76**	**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 (Vpac 5 index 124).		
78	**77**	**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.		
79	**78**	**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.		
80	**79**	**Year channel 1 function.**	0 - 3	PV 3.00

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
81	80	Year channel 1 start month.	1 - 12	PV 3.00
82	81	Year channel 1 start date.	1 - 31	PV 3.00
83	82	Year channel 1 start hour.	0 - 23	PV 3.00
84	83	Year channel 1 start minute.	0 - 59	PV 3.00
85	84	Year channel 1 stop month.	1 - 12	PV 3.00
86	85	Year channel 1 stop date.	1 - 31	PV 3.00
87	86	Year channel 1 stop hour.	0 - 23	PV 3.00
88	87	Year channel 1 stop minute.	0 - 59	PV 3.00
89	88	Year channel 2 function.	0 - 3	PV 3.00
90	89	Year channel 2 start month.	1 - 12	PV 3.00
91	90	Year channel 2 start date.	1 - 31	PV 3.00
92	91	Year channel 2 start hour.	0 - 23	PV 3.00
93	92	Year channel 2 start minute.	0 - 59	PV 3.00
94	93	Year channel 2 stop month.	1 - 12	PV 3.00
95	94	Year channel 2 stop date.	1 - 31	PV 3.00
96	95	Year channel 2 stop hour.	0 - 23	PV 3.00
97	96	Year channel 2 stop minute.	0 - 59	PV 3.00
98	97	Year channel 3 function.	0 - 3	PV 3.00
99	98	Year channel 3 start month.	1 - 12	PV 3.00
100	99	Year channel 3 start date.	1 - 31	PV 3.00
101	100	Year channel 3 start hour.	0 - 23	PV 3.00
102	101	Year channel 3 start minute.	0 - 59	PV 3.00
103	102	Year channel 3 stop month.	1 - 12	PV 3.00
104	103	Year channel 3 stop date.	1 - 31	PV 3.00
105	104	Year channel 3 stop hour.	0 - 23	PV 3.00
106	105	Year channel 3 stop minute.	0 - 59	PV 3.00
107	106	Year channel 4 function.	0 - 3	PV 3.00
108	107	Year channel 4 start month.	1 - 12	PV 3.00
109	108	Year channel 4 start date.	1 - 31	PV 3.00
110	109	Year channel 4 start hour.	0 - 23	PV 3.00
111	110	Year channel 4 start minute.	0 - 59	PV 3.00
112	111	Year channel 4 stop month.	1 - 12	PV 3.00
113	112	Year channel 4 stop date.	1 - 31	PV 3.00
114	113	Year channel 4 stop hour.	0 - 23	PV 3.00
115	114	Year channel 4 stop minute.	0 - 59	PV 3.00
116	115	Year channel 5 function.	0 - 3	PV 3.00
117	116	Year channel 5 start month.	1 - 12	PV 3.00
118	117	Year channel 5 start date.	1 - 31	PV 3.00
119	118	Year channel 5 start hour.	0 - 23	PV 3.00
120	119	Year channel 5 start minute.	0 - 59	PV 3.00
121	120	Year channel 5 stop month.	1 - 12	PV 3.00
122	121	Year channel 5 stop date.	1 - 31	PV 3.00
123	122	Year channel 5 stop hour.	0 - 23	PV 3.00
124	123	Year channel 5 stop minute.	0 - 59	PV 3.00
125	124	Year channel 6 function.	0 - 3	PV 3.00
126	125	Year channel 6 start month.	1 - 12	PV 3.00
127	126	Year channel 6 start date.	1 - 31	PV 3.00
128	127	Year channel 6 start hour.	0 - 23	PV 3.00
129	128	Year channel 6 start minute.	0 - 59	PV 3.00
130	129	Year channel 6 stop month.	1 - 12	PV 3.00
131	130	Year channel 6 stop date.	1 - 31	PV 3.00

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
132	131	**Year channel 6 stop hour.**	0 - 23	PV 3.00
133	132	**Year channel 6 stop minute.**	0 - 59	PV 3.00
134	133	**Year channel 7 function.**	0 - 3	PV 3.00
135	134	**Year channel 7 start month.**	1 - 12	PV 3.00
136	135	**Year channel 7 start date.**	1 - 31	PV 3.00
137	136	**Year channel 7 start hour.**	0 - 23	PV 3.00
138	137	**Year channel 7 start minute.**	0 - 59	PV 3.00
139	138	**Year channel 7 stop month.**	1 - 12	PV 3.00
140	139	**Year channel 7 stop date.**	1 - 31	PV 3.00
141	140	**Year channel 7 stop hour.**	0 - 23	PV 3.00
142	141	**Year channel 7 stop minute.**	0 - 59	PV 3.00
143	142	**Year channel 8 function.**	0 - 3	PV 3.00
144	143	**Year channel 8 start month.**	1 - 12	PV 3.00
145	144	**Year channel 8 start date.**	1 - 31	PV 3.00
146	145	**Year channel 8 start hour.**	0 - 23	PV 3.00
147	146	**Year channel 8 start minute.**	0 - 59	PV 3.00
148	147	**Year channel 8 stop month.**	1 - 12	PV 3.00
149	148	**Year channel 8 stop date.**	1 - 31	PV 3.00
150	149	**Year channel 8 stop hour.**	0 - 23	PV 3.00
151	150	**Year channel 8 stop minute.**	0 - 59	PV 3.00
152	151	**Filter select.**	0 - 3	PV 5.00
		Setting for filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
153	152	**Pre-filter select.**	0 - 3	PV 5.00
		Setting for pre-filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
154	153	**Pre-filter calibration mode.**	0 - 3	PV 5.00
		Setting for required filtercalibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter.		
155	154	**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.		
156	155	**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.		
157	156	**Xzone temperature regulation mode.**	0 - 3	PV 5.00

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Setting of Xzone temperature regulation type. 0=ERS 1 reg. 1=ERS 2 reg. 2=SA reg. 3=EA/Room reg.		
158	**157**	**Xzone ERS Step.**	1 - 4	PV 5.00
		Setting of Xzone curve when temperature is above breakpoint.		
159	**158**	**Pre-heating function.**	0 - 4	PV 5.00
		Setting of pre-heating 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**	**ReCO2 CO2 function.**	0 - 2	PV 5.00
		Setting of ReCO2 CO2 function. 0=Inactive. 1=CO2. 2=CO2+flow.		
161	**160**	**ReCO2 cooling function.**	0 - 2	PV 5.00
		Setting of ReCO2 cooling function. 0=Inactive. 1=Comfort. 2=Economy.		
162	**161**	**ReCO2 heating function.**	0 - 2	PV 5.00
		Setting of ReCO2 heating function. 0=Inactive. 1=Comfort. 2=Economy.		
163	**162**	**AYC function.**	0 - 3	PV 5.07
		Setting of AYC function. 0=Inactive. 1=Cool. 2=Heat. 3=Cool+heat.		
164	**163**	**AYC night comp. channel.**	1 - 2	PV 5.07
		Setting of AYC night compensation channel. 1=Channel 1. 2=Channel 2.		
165	**164**	**AYC channel start hour.**	0-23h	PV 5.07
		Setting of AYC channel start time (hour).		
166	**165**	**AYC channel start minute.**	0-59min	PV 5.07
		Setting of AYC channel start time (minute).		
167	**166**	**AYC channel stop hour.**	0-23h	PV 5.07
		Setting of AYC channel stop time (hour).		
168	**167**	**AYC channel stop minute.**	0-59min	PV 5.07
		Setting of AYC channel stop time (minute).		
169	**168**	**AYC channel period.**	0-10	PV 5.07

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		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		
170	**169**	**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.		
171	**170**	**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.		
172	**171**	**AYC cool pump alarm.**	0 - 3	PV 5.07
		Setting for selecting the AYC chilled water pump alarm function. 0=Inactive. 1=Open. 2=Closed. 3=Contactor.		
173	**172**	**AYC cool per op function.**	0 - 3	PV 5.07
		Setting for selecting the AYC chilled water periodic operation function. 0=Inactive. 1=Pump. 2=Pump+valve. 3=Valve.		
174	**173**	**IO-mod 3 output 1 function.**	0 - 10	PV 5.07
		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.		
175	**174**	**IO-mod 3 output 2 function.**	0 - 10	PV 5.07

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		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.		
176	**175**	**Humid reg. func.**	0 - 3	PV 6.07
		Setting for selecting humidifying function. 0=Inactive. 1=Supply air. 2=Extract air. 3=Steam (New in PV 6.07)		
177	**176**	**Min/Max/Average Sens Number**	1 - 4	PV 5.15
		Setting for selecting numbers of sensors to the Min/Max/Average function.		
178	**177**	**Min/Max/Average Sens Function**	0 - 2	PV 5.15
		Setting for selecting sensor function. 0=Min. 1=Max. 2=Average.		
179	**178**	**BB Unit type**	0-3	PV 6.05
		Blue Box unit type. 0=None 1=Heat pump 2=Chiller 3=Reversible		
180	**179**	**BB AQUA Link function**	0-3	PV 6.05
		Blue Box AQUA Link function. 0=Inactive 1=Heat 2=Cool 3=Heat + Cool		
181	**180**	**BB AQUA Link cool pump alarm function**	0-3	PV 6.05
		Blue Box AQUA Link cool pump alarm function. 0=Inactive 1=Open 2=Close 3=Contactor		
182	**181**	**BB AQUA Link heat pump alarm function**	0-3	PV 6.05
		Blue Box AQUA Link heat pump alarm function. 0=Inactive 1=Open 2=Close 3=Contactor		
183	**182**	**Extended ext. reg. seq. reheat function**	0-4	PV 6.07

Index var. Vpac 6 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Extended extra regulation sequence reheat function. 0=Inactive 1=El. P/P 2=El. 0-10V 3=Water FP 4=Water		
184	**183**	**Season heat mode setpoint**	0-2	PV 6.07
		Season heat mode type setpoint. 0=Digital Input NO 1=Digital Input NC 2=Manual		
185	**184**	**Season heat function**	0-1	PV 6.07
		Season heating function. 0=Inactive 1=Active		
186	**185**	**End-filter select**	0-1	PV 6.07
		Supply air end-filter function. 0=Inactive. 1=Active		
187	**186**	**End-filter calibration**	0-1	PV 6.07
		Supply air end-filter calibration. 0=Inactive 1=Active		

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
1	0	**Alarm reset**	0-1	
		Resets tripped alarms.		
2	1	**SA Boosting func.**	0-1	
		Setting for activating the boost function for the supply air fan.		
3	2	**EA Boosting func.**	0-1	
		Setting for activating the boost function for the extract air fan.		
4	3	**R.HX. Defrost func.**	0-1	
		Setting for activating the defrost function for the rotary heat exchanger.		
5	4	**SA Down regulation func.**	0-1	PV 3.00
		Setting for activating the down regulation function for the supply air fan. (Moved to Vpac 6 index 79 in PV 3.00)		
6	5	**Reserve**		
7	6	**Reserve**		
8	7	**Cool operation mode**	0-1	
		Setting for cooling between off and auto operation.		
9	8	**Int. Night heat func.**	0-1	
		Setting for activating the intermittent night heat function.		
10	9	**Damper func.**	0-1	
		Setting for activating the damper output relay during int. night heat.		
11	10	**Summer night cooling**	0-1	
		Setting for activating the summer night cool function.		
12	11	**Temp displacement**	0-1	
		Setting for activating the external temperature displacement function.		
13	12	**Outdoor temp compensation**	0-1	
		Setting for activating the outdoor temperature compensation function.		
14	13	**Outdoor airflow compensation**	0-1	
		Setting for activating the outdoor airflow compensation function.		
15	14	**Auto. Summer/winter switch**	0-1	
		Setting for activating the automatic switch between summer/winter time function.		
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.		
18	17	**EA at fire**	0-1	PV 3.00
		Setting for activating the extract air fan operation at fire function. (Moved to Vpac 6 index 78 in PV 3.00)		
19	18	**External alarm 1 active at closure**	0-1	

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		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**	**Dewpoint reg. func.**	0-1	
		Setting for activating the dewpoint regulator function.		
23	**22**	**Dehumid reg. func.**	0-1	
		Setting for activating the dehumid regulator function.		
24	**23**	**External fire alarm func.**	0-1	PV 3.00
		Setting for external fire resetting function. 0= Manual. 1= Automatic.		
25	**24**	**External alarm 1 func.**	0-1	PV 3.00
		Setting for external alarm 1 resetting function. 0= Manual. 1= Automatic.		
26	**25**	**External alarm 2 func.**	0-1	PV 3.00
		Setting for external alarm 2 resetting function. 0= Manual. 1= Automatic.		
27	**26**	**Temperature alarm func.**	0-1	PV 3.00
		Setting for activating temperature below setpoint alarm function (no.80).		
28	**27**	**Int. Night heat output func.**	0-1	PV 5.00
		Setting for selecting the intermittent night heat output function. 0=IQnomic 1=IQnomic+		
29	**28**	**AYC heat out comp. func.**	0-1	PV 5.07
		Setting for selecting the AYC outdoor comp. heated water function. 0=Inactive 1=Active		
30	**29**	**AYC heat room comp. func.**	0-1	PV 5.07
		Setting for selecting the AYC room comp. heated water function. 0=Inactive 1=Active		
31	**30**	**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		
32	**31**	**AYC heat night comp. func.**	0-1	PV 5.07

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Setting for selecting the AYC night comp. heated water function. 0=Inactive 1=Active		
33	32	**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		
34	33	**AYC cool out comp. func.**	0-1	PV 5.07
		Setting for selecting the AYC outdoor comp. chilled water function. 0=Inactive 1=Active		
35	34	**AYC cool room comp. func.**	0-1	PV 5.07
		Setting for selecting the AYC room comp. chilled water function. 0=Inactive 1=Active		
36	35	**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		
37	36	**AYC cool night comp. func.**	0-1	PV 5.07
		Setting for selecting the AYC night comp. chilled water function. 0=Inactive 1=Active		
38	37	**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		
39	38	**BB func.**	0-1	PV 6.05
		Setting for selecting the Blue Box function. 0=Inactive 1=Active		
40	39	**BB optimize temp. func.**	0-1	PV 6.05
		Setting for selecting the Blue Box optimize temperature function. 0=Inactive 1=Active		
41	40	**Season heat mode**	0-1	PV 6.07
		Setting for selecting season heating mode. 0=Inactive 1=Active		
42	41	**Steam humid alarm input**	0-1	PV 6.07
		Setting for selecting steam humidification alarm input. 0=NO(Alarm at open input) 1=NC(Alarm at closed input)		
43	42	**ReCO2 zero cal.**	0-1	PV 6.07

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Setting for selecting zero calibration of ReCO2 pressure sensor. 0=Inactive 1=Active		
44	**43**	**EA flow zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of extract air flow pressure sensor. 0=Inactive 1=Active		
45	**44**	**SA flow zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of supply air flow pressure sensor. 0=Inactive 1=Active		
46	**45**	**SA filt zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of supply air filter pressure sensor. 0=Inactive 1=Active		
47	**46**	**EA filt zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of extract air filter pressure sensor. 0=Inactive 1=Active		
48	**47**	**SA duct zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of supply air duct pressure sensor. 0=Inactive 1=Active		
49	**48**	**EA duct zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of extract air duct pressure sensor. 0=Inactive 1=Active		
50	**49**	**R.HX zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of rotary heat exchanger pressure sensor. 0=Inactive 1=Active		
51	**50**	**SA pre-filt zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of supply air pre-filter pressure sensor. 0=Inactive 1=Active		
52	**51**	**EA pre-filt zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of extract air pre-filter pressure sensor. 0=Inactive 1=Active		
53	**52**	**SA end-filt zero cal.**	0-1	PV 6.07

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Setting for selecting zero calibration of supply air end-filter pressure sensor. 0=Inactive 1=Active		
54	**53**	**NU B zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of not used position B pressure sensor. 0=Inactive 1=Active		
55	**54**	**NU C zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of not used position C pressure sensor. 0=Inactive 1=Active		
56	**55**	**NU D zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of not used position D pressure sensor. 0=Inactive 1=Active		
57	**56**	**NU E zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of not used position E pressure sensor. 0=Inactive 1=Active		
58	**57**	**NU F zero cal.**	0-1	PV 6.07
		Setting for selecting zero calibration of not used position F pressure sensor. 0=Inactive 1=Active		
59	**58**	**ReCO2 man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of ReCO2 pressure sensor. 0=Auto 1=Manual		
60	**59**	**EA flow man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of extract air flow pressure sensor. 0=Auto 1=Manual		
61	**60**	**SA flow man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of supply air flow pressure sensor. 0=Auto 1=Manual		
62	**61**	**SA filt man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of supply air filter pressure sensor. 0=Auto 1=Manual		
63	**62**	**EA filt man mode zero cal.**	0-1	PV 6.07

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Setting for selecting manual mode of zero calibration of extract air filter pressure sensor. 0=Auto 1=Manual		
64	**63**	**SA duct man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of supply air duct pressure sensor. 0=Auto 1=Manual		
65	**64**	**EA duct man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of extract air duct pressure sensor. 0=Auto 1=Manual		
66	**65**	**R.HX man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of rotary heat exchanger pressure sensor. 0=Auto 1=Manual		
67	**66**	**SA pre-filt man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of supply air pre-filter pressure sensor. 0=Auto 1=Manual		
68	**67**	**EA pre-filt man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of extract air pre-filter pressure sensor. 0=Auto 1=Manual		
69	**68**	**SA end-filt man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of supply air end-filter pressure sensor. 0=Auto 1=Manual		
70	**69**	**NU B man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of not used position B pressure sensor. 0=Auto 1=Manual		
71	**70**	**NU C man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of not used position C pressure sensor. 0=Auto 1=Manual		
72	**71**	**NU D man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of not used position D pressure sensor. 0=Auto 1=Manual		
73	**72**	**NU E man mode zero cal.**	0-1	PV 6.07

Logical var. Vpac 7 (R/W)

Index	Cell nbr.	Name	Min/Max	Misc
		Setting for selecting manual mode of zero calibration of not used position E pressure sensor. 0=Auto 1=Manual		
74	**73**	**NU F man mode zero cal.**	0-1	PV 6.07
		Setting for selecting manual mode of zero calibration of not used position F pressure sensor. 0=Auto 1=Manual		