

## BACnet IP

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

Applicable to program version 5.15 and newer versions

#### Overview

This BACnet driver is implemented in GOLD PV 5.15 and provides the function of monitoring and operating the air handling unit.

GOLD is a BACnet Application Specific Controller (B-ASC).

The supported Data Link Layer Options are BACnet / IP.

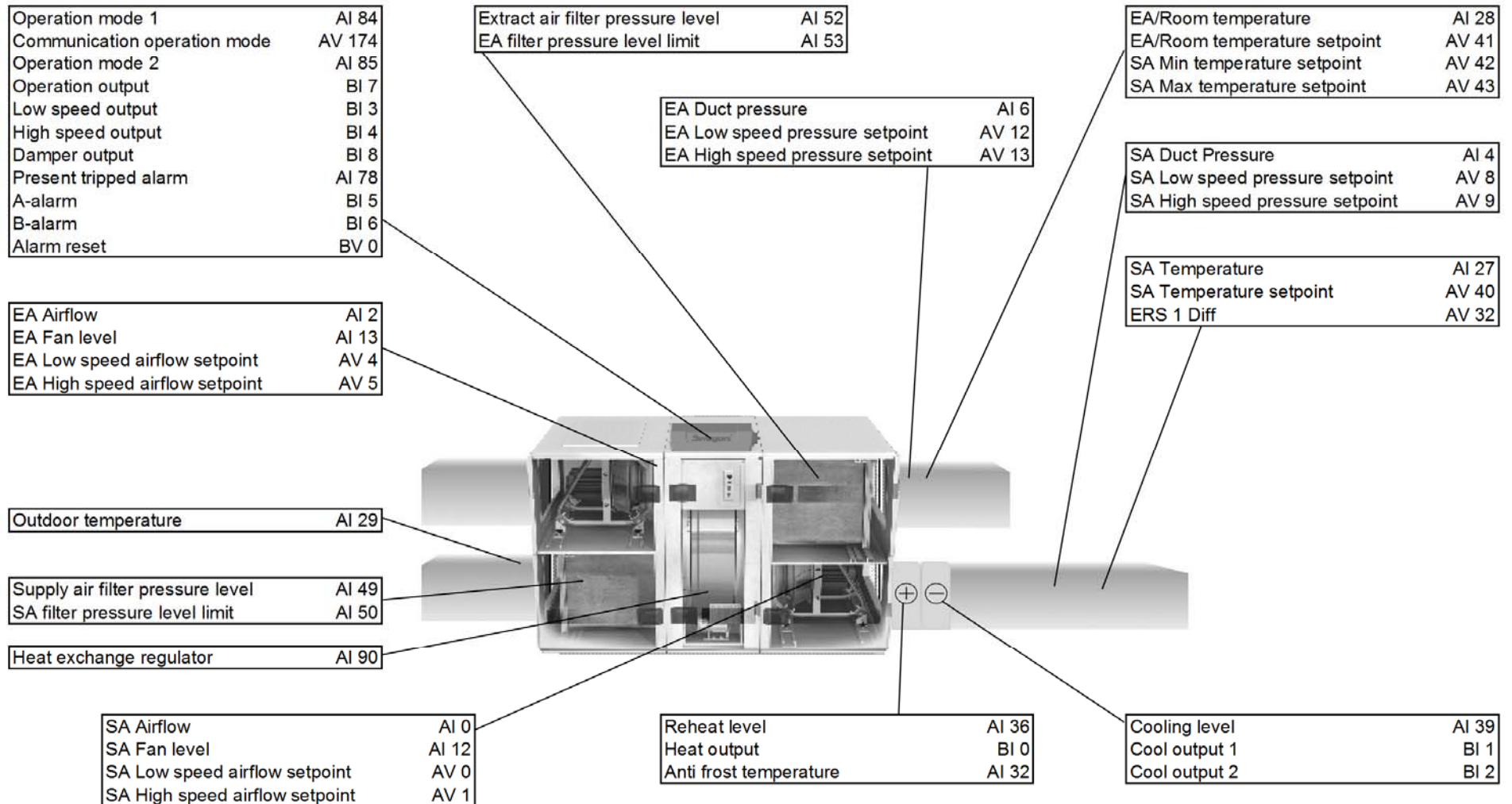
See also document BACnet PICS (Protocol Implementation Conformance Statement) GOLD and GOLD EDE (Engineering Data Exchange).

#### BACnet Interoperability Building Blocks Supported.

Data Sharing	DS-RP-B	Data Sharing-Read Property-B
Data Sharing	DS-RPM-B	Data Sharing-Read Property Multiple-B
Data Sharing	DS-WP-B	Data Sharing-Write Property-B
Data Sharing	DS-COV-B	Data Sharing-COV-B
Alarm&Event Management	AE-N-I-B	Alarm&Event-Notification Internal-B
Device Management	DM-DDB-B	Device Management-Dynamic Device Binding-B
Device Management	DM-DOB-B	Device Management-Dynamic Object Binding-B
Device Management	DM-DCC-B	Device Management-Dynamic Communication Control-B

#### Standard Object Types Supported.

Object Type	Properties
Analog Input	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Units, Min_Pres_Value, Max_Pres_Value, Resolution, COV_Increment.
Analog Value	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Units, Priority_Array, Relinquish_Default, COV_Increment.
Binary Input	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Polarity, Time_Delay, Notification_Class, Alarm_Value, Event_Enable, Acked_Transitions, Notify_Type, Event_Time_Stamps.
Binary Value	Object_Identifier, Object_Name, Object_Type, Present_Value, Status_Flags, Event_State, Out_Of_Service, Priority_Array, Relinquish_Default.
Device	Object_Identifier, Object_Name, Object_Type, System_Status, Vendor_Name, Vendor_Identifier, Model_Name, Firmware_Revision, Application_Software_Version, Location, Description, Protocol_Version, Protocol_Revision, Protocol_Services_Supported, Protocol_Object_Types_Supported, Object_List, Max_APDU_Length_Accepted, Segmentation_Supported, APDU_Timeout, Number_Of_APDU_Retries, Device_Address_Binding, Database_Revision, Active_COV_Subscriptions.
Notification Class	Object_Identifier, Object_Name, Object_Type, Description, Notification_Class, Priority, Ack_Required, Recipient_List, Profile_Name.



## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
0	<b>SA Airflow</b> Present supply airflow.	0-20000l/s	
1	<b>SA Airflow regulator</b> Present supply airflow regulator setpoint.	0-20000l/s	
2	<b>EA Airflow</b> Present extract airflow.	0-20000l/s	
3	<b>EA Airflow regulator</b> Present extract airflow regulator setpoint.	0-20000l/s	
4	<b>SA Duct pressure</b> Present supply air duct pressure.	0-2000Pa	
5	<b>SA Duct pressure regulator</b> Present supply air duct pressure regulator setpoint.	0-2000Pa	
6	<b>EA Duct pressure</b> Present extract air duct pressure.	0-2000Pa	
7	<b>EA Duct pressure regulator</b> Present extract air duct pressure regulator setpoint.	0-2000Pa	
8	<b>SA VAV demand/boost input</b> Present input signal for supply air VAV demand or boosting function.	0-100.00%	
9	<b>SA VAV demand regulator</b> Present supply air VAV demand regulator setpoint.	0-100.00%	
10	<b>EA VAV demand/boost input</b> Present input signal for extract air VAV demand or boosting function.	0-100.00%	
11	<b>EA VAV demand regulator</b> Present supply air VAV demand regulator setpoint.	0-100.00%	
12	<b>SA Fan level</b> Present running level for the supply air fan.	0-100.00%	
13	<b>EA Fan level</b> Present running level for the extract air fan.	0-100.00%	
14	<b>SA Fan power</b> Present power consumption level for the supply air fan. Also included slaves. PV 6.04	0-32700W	PV 6.04
15	<b>EA Fan power</b> Present power consumption level for the extract air fan. Also included slaves. PV 6.04	0-32700W	PV 6.04
16	<b>SFP</b> SFP supply air + extract air.	0.0-9.9	
17	<b>SA Frequency</b> Present frequency level for the supply air fan.	0-100.00Hz	
18	<b>EA Frequency</b> Present frequency level for the extract air fan.	0-100.00Hz	
19	<b>SA Voltage</b> Present voltage level for the supply air fan.	0-500V	
20	<b>EA Voltage</b> Present voltage level for the extract air fan.	0-500V	
21	<b>SA Current</b> Present current level for the supply air fan. Also included slaves. PV 6.04	0-32.700A	PV 6.04

## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
22	<b>EA Current</b> Present current level for the extract air fan. Also included slaves. PV 6.04	0-32.700A	PV 6.04
23	<b>SA Airflow pressure</b> Present airflow pressure in the supply air fan inlet.	0-2000Pa	
24	<b>EA Airflow pressure</b> Present airflow pressure in the extract air fan inlet.	0-2000Pa	
25	<b>SA Temp regulator</b> Present supply air temperature regulator setpoint.	-55.00-125.00°C	
26	<b>EA Temp regulator</b> Present extract air temperature regulator setpoint.	-55.00-125.00°C	
27	<b>SA Temperature</b> Present supply air temperature.	-55.00-125.00°C	
28	<b>EA/Room temperature</b> Present extract air/room temperature in the unit.	-55.00-125.00°C	
29	<b>Outdoor temperature</b> Present outdoor air temperature in the unit.	-55.00-125.00°C	
30	<b>EA/Room temperature external</b> Present room temperature external from the unit.	-55.00-125.00°C	
31	<b>Outdoor temperature external</b> Present outdoor air temperature external from the unit.	-55.00-125.00°C	
32	<b>Anti frost temperature</b> Present anti frost temperature for water reheating coils.	-55.00-125.00°C	
33	<b>Temperature sensor 3</b> Present temperature for temp sensor no.3	-55.00-125.00°C	
34	<b>Temperature sensor 4</b> Present temperature for temp sensor no.4	-55.00-125.00°C	
35	<b>Rotary heat exchanger level</b> Present operation level from rotary heat exchanger.	0-100.00%	
36	<b>Reheat level</b> Present level of reheat.	0-100.00%	
37	<b>SA Down regulation level</b> Present level of supply airflow down regulation.	0-100.00%	
38	<b>Extra regulation sequence level</b> Present level of the extra regulation sequence.	0-100.00%	
39	<b>Cooling level</b> Present level of cooling.	0-100.00%	
40	<b>Heating boost level</b> Present level of heating boost.	0-100.00%	
41	<b>Cooling boost level</b> Present level of cooling boost.	0-100.00%	
42	<b>HX pressure level</b> Present pressure drop for the rotary heat exchanger.	0-2000Pa	
43	<b>HX pressure alarm limit</b> Present pressure drop alarm limit for the rotary heat exchanger.	0-2000Pa	
44	<b>HX temperature</b> Present temperature inside the control unit for the rotary heat exchanger.	0-100.00°C	
45	<b>Effect reduction level</b> Present level of max output signal for electrical reheaters, active during low supply airflow.	0-100.00%	
46	<b>Anti frost temp setpoint/operation</b>	10.00-16.00°C	

## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
	Present anti frost temperature setpoint for water reheating coils during unit operation.		
<b>47</b>	<b>Anti frost temp setpoint/stop</b>	15.00-40.00°C	
	Present anti frost temperature setpoint for water reheating coils when the unit is in stop.		
<b>48</b>	<b>Anti frost temp alarm limit</b>	5.00-30.00°C	
	Setting of antifrost temperature alarm limit.		
<b>49</b>	<b>Supply air filter pressure level</b>	0-2000Pa	
	Present supply air filter pressure drop.		
<b>50</b>	<b>Supply air filter pressure alarm limit.</b>	0-2000Pa	
	Present supply air filter pressure alarm limit.		
<b>51</b>	<b>Supply air filter pressure level, new</b>	0-2000Pa	
	Supply air filter pressure saved from calibration.		
<b>52</b>	<b>Extract air filter pressure level</b>	0-2000Pa	
	Present extract air filter pressure drop.		
<b>53</b>	<b>Extract air filter pressure alarm limit.</b>	0-2000Pa	
	Present extract air filter pressure alarm limit.		
<b>54</b>	<b>Extract air filter pressure level, new</b>	0-2000Pa	
	Extract air filter pressure saved from calibration.		
<b>55</b>	<b>Temperature displacement</b>	-5.00 - 5.00°C	
	Present temperature displacement from input signal.		
<b>56</b>	<b>Coil type</b>	0-20	
	Present connected reheat coil type.		
<b>57</b>	<b>Cool step time</b>	0-600s	
	Present time between cool step shift.		
<b>58</b>	<b>Cool relay 1 restart time</b>	0-900s	
	Present time between two starts of cool relay 1.		
<b>59</b>	<b>Cool relay 2 restart time</b>	0-900s	
	Present time between two starts of cool relay 2.		
<b>60</b>	<b>Program version, HMI</b>	0-10.00	
	Present program version for the hand terminal.		
<b>61</b>	<b>Program version, HMI-slave</b>	0-10.00	
	Present program version for the extra hand terminal.		
<b>62</b>	<b>Program version, main controller.</b>	0-10.00	
	Present program version for the main control unit.		
<b>63</b>	<b>Program version, SA FC-1.</b>	0-10.00	
	Present program version for the supply air frequency converter no.1.		
<b>64</b>	<b>Program version, SA FC-2.</b>	0-10.00	
	Present program version for the supply air frequency converter no.2.		
<b>65</b>	<b>Program version, EA FC-1.</b>	0-10.00	
	Present program version for the extract air frequency converter no.1.		
<b>66</b>	<b>Program version, EA FC-2.</b>	0-10.00	
	Present program version for the extract air frequency converter no.2.		
<b>67</b>	<b>Program version, HX control unit</b>	0-10.00	
	Present program version for the rotary heat exchange control unit.		
<b>68</b>	<b>Weekday</b>	0 - 6	
	Present weekday for the unit's internal clock.		
<b>69</b>	<b>Extended low speed op. Hours</b>	0-23	
	Present time for extended low speed operation.		

**Analog Inputs (RO).**

Object Instance	Object Name	Min/Max	Misc
70	<b>Extended low speed op. Minutes</b>	0-59	
	Present time for extended low speed operation.		
71	<b>Extended high speed op. Hours</b>	0-23	
	Present time for extended high speed operation.		
72	<b>Extended high speed op. Minutes</b>	0-59	
	Present time for extended high speed operation.		
73	<b>SA Fan operation time</b>	0-9999	
	Present operation time for the supply air fan, measured in minutes and present in days (24h).		
74	<b>EA Fan operation time</b>	0-9999	
	Present operation time for the extract air fan, measured in minutes and present in days (24h).		
75	<b>Cool operation time</b>	0-9999	
	Present operation time for cooling, measured in minutes and present in days (24h).		
76	<b>Heat exchange operation time</b>	0-9999	
	Present operation time for heat exchange, measured in minutes and present in days (24h).		
77	<b>Reheat operation time</b>	0-9999	
	Present operation time for reheat, measured in minutes and present in days (24h).		
78	<b>Present tripped alarm</b>	0-200	
	Present tripped alarm number with highest priority.		
79	<b>Active not tripped alarm no.1</b>	0-200	
	Present active alarm in delay.		
80	<b>Active not tripped alarm no.2</b>	0-200	
	Present active alarm in delay.		
81	<b>Active not tripped alarm no.3</b>	0-200	
	Present active alarm in delay.		
82	<b>SA Fan size</b>	04 - 120	
	Present supply air fan size.		
83	<b>EA Fan size</b>	04 - 120	
	Present extract air fan size.		
84	<b>Operation mode 1</b>	0 - 18	
	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)		
85	<b>Operation mode 2</b>	0 - 22	

**Analog Inputs (RO).**

Object Instance	Object 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)		
<b>86</b>	<b>Operation mode, manual</b>	0 - 3	
	Present manual operation set on the unit's hand terminal. 0=Stop. 1=Auto operation. 2=Manual low speed. 3=Manual high speed.		
<b>87</b>	<b>Copy of Input Status 1-16.</b>	0-65535	
	Bit 0=1x0001 Bit 1=1x0002 Bit 15=1x0016		
<b>88</b>	<b>Copy of Input Status 17-32.</b>	0-65535	
	Bit 0=1x00017 Bit 1=1x00018 Bit 15=1x0032		
<b>89</b>	<b>Copy of Input Status 33-48.</b>	0-65535	
	Bit 0=1x00033 Bit 1=1x00034 Bit 15=1x0048		
<b>90</b>	<b>Heat exchanger regulator</b>	0-100.00%	
	Present level of heat exchanger regulator RX/CX/PX.		
<b>91</b>	<b>Extract air-humidity</b>	0-100.00%	
	Present level of extract air-humidity.		
<b>92</b>	<b>Extract air-humidity temperature</b>	-55.00-125.00°C	
	Present temperature inside extract air-humidity sensor.		
<b>93</b>	<b>Extract air-dewpoint</b>	-55.00-125.00°C	
	Calculated extract air-dewpoint.		
<b>94</b>	<b>AYC chilled water temperature</b>	-55.00-125.00°C	
	Present AYC chilled water temperature.		
<b>95</b>	<b>AYC chilled water temperature regulator</b>	-55.00-125.00°C	
	Present AYC chilled water temperature regulator setpoint.		

## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
96	<b>AYC chilled water output</b>	0-100.00%	
	Present level of AYC chilled water valve output.		
97	<b>Supply air-dewpoint regulator</b>	-55.00-125.00°C	
	Present supply air-dewpoint regulator setpoint.		
98	<b>Supply air-humidity</b>	0-100.00%	
	Present level of supply air-humidity		
99	<b>Supply air-humidity temperature</b>	-55.00-125.00°C	
	Present temperature inside supply air-humidity sensor.		
100	<b>Supply air-dewpoint</b>	-55.00-125.00°C	
	Calculated supply air-dewpoint.		
101	<b>C.HX. Temperature</b>	-55.00-125.00°C	
	Present temperature of coil heat exchanger.		
102	<b>P.HX. Temperature 1</b>	-55.00-125.00°C	
	Present temperature 1 of plate heat exchanger.		
103	<b>P.HX. Temperature 2</b>	-55.00-125.00°C	
	Present temperature 2 of plate heat exchanger.		
104	<b>P/C.HX. Humidity</b>	0-100.00%	
	Present level of air-humidity in plate/coil heat exchanger.		
105	<b>R.HX. Efficiency</b>	0-100.00%	
	Calculated level of rotary heat exchanger efficiency.		
106	<b>C.HX. Valve output</b>	0-100.00%	
	Present level of coil heat exchanger valve output.		
107	<b>P.HX bypass output</b>	0-100.00%	
	Present level of plate heat exchanger bypass output.		
108	<b>Supply air pre-filter pressure level</b>	0-2000Pa	
	Present supply air pre-filter pressure drop.		
109	<b>Supply air pre-filter pressure alarm limit.</b>	0-2000Pa	
	Present supply air pre-filter pressure alarm limit.		
110	<b>Supply air pre-filter pressure level, new</b>	0-2000Pa	
	Supply air pre-filter pressure saved from calibration.		
111	<b>Extract air pre-filter pressure level</b>	0-2000Pa	
	Present extract air pre-filter pressure drop.		
112	<b>Extract air pre-filter pressure alarm limit.</b>	0-2000Pa	
	Present extract air pre-filter pressure alarm limit.		
113	<b>Extract air pre-filter pressure level, new</b>	0-2000Pa	
	Extract air pre-filter pressure saved from calibration.		
114	<b>Xzone reheat level</b>	0-100.00%	
	Present level of Xzone reheat.		
115	<b>Xzone anti frost temperature</b>	-55.00-125.00°C	
	Present Xzone anti frost temperature for water reheating coils.		
116	<b>Xzone cooling level</b>	0-100.00%	
	Present level of Xzone cooling.		
117	<b>Xzone cool step time</b>	0-600s	
	Present time between Xzone cool step shift.		
118	<b>Xzone cool relay 1 restart time</b>	0-900s	
	Present time between two starts of Xzone cool relay 1.		
119	<b>Xzone cool relay 2 restart time</b>	0-900s	
	Present time between two starts of Xzone cool relay 2.		
120	<b>Xzone SA Temp regulator</b>	-55.00-125.00°C	
	Present Xzone supply air temperature regulator setpoint.		
121	<b>Xzone EA Temp regulator</b>	-55.00-125.00°C	
	Present Xzone extract air temperature regulator setpoint.		
122	<b>Xzone SA Temperature</b>	-55.00-125.00°C	



**Analog Inputs (RO).**

Object Instance	Object Name	Min/Max	Misc
	Present Xzone supply air temperature.		
<b>123</b>	<b>Xzone EA/Room temperature</b>	-55.00-125.00°C	
	Present Xzone extract air/room temperature.		
<b>124</b>	<b>Pre-heating air temperature</b>	-55.00-125.00°C	
	Present pre-heating air temperature.		
<b>125</b>	<b>Pre-heating level</b>	0-100.00%	
	Present level of pre-heating.		
<b>126</b>	<b>Pre-heating anti frost temperature</b>	-55.00-125.00°C	
	Present anti frost temperature for water pre-heating coils.		
<b>127</b>	<b>ReCO2 CO2 input</b>	0-100.00%	
	Present input signal for ReCO2 CO2.		
<b>128</b>	<b>ReCO2 internal damper output</b>	0-100.00%	
	Present output signal for ReCO2 internal damper.		
<b>129</b>	<b>ReCO2 external damper output</b>	0-100.00%	
	Present output signal for ReCO2 external damper.		
<b>130</b>	<b>ReCO2 outdoor airflow</b>	0-20000l/s	
	Present ReCO2 outdoor airflow.		
<b>131</b>	<b>ReCO2 outdoor airflow regulator</b>	0-20000l/s	
	Present ReCO2 outdoor airflow regulator setpoint.		
<b>132</b>	<b>ReCO2 outdoor airflow pressure</b>	0-2000Pa	
	Present ReCO2 outdoor airflow pressure.		
<b>133</b>	<b>Preheat operation time</b>	0-9999	
	Present operation time for preheat, measured in minutes and present in days (24h).		
<b>134</b>	<b>Xzone cool operation time</b>	0-9999	
	Present operation time for Xzone cooling, measured in minutes and present in days (24h).		
<b>135</b>	<b>Xzone reheat operation time</b>	0-9999	
	Present operation time for Xzone reheat, measured in minutes and present in days (24h).		
<b>136</b>	<b>Supply air-D temperature</b>	-55.00-125.00°C	
	Present supply air-D temperature.		
<b>137</b>	<b>Extract air-D temperature</b>	-55.00-125.00°C	
	Present extract air-D temperature.		
<b>138</b>	<b>AYC heat temperature</b>	-55.00-125.00°C	
	Present AYC heat temperature.		
<b>139</b>	<b>AYC heat temp regulator</b>	-55.00-125.00°C	
	Present AYC heat temperature regulator setpoint.		
<b>140</b>	<b>AYC heat valve output</b>	0-100.00%	
	Present level of AYC heat valve output.		
<b>141</b>	<b>Min/Max/Average Sens1Temp</b>	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 1 temperature.		
<b>142</b>	<b>Min/Max/Average Sens2Temp</b>	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 2 temperature.		
<b>143</b>	<b>Min/Max/Average Sens3Temp</b>	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 3 temperature.		
<b>144</b>	<b>Min/Max/Average Sens4Temp</b>	-55.00-125.00°C	PV 5.15
	Present Min/Max/Average sensor 4 temperature.		
<b>145</b>	<b>Miru 1 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 1 airflow.		
<b>146</b>	<b>Miru 1 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 1 airflow regulator setpoint.		
<b>147</b>	<b>Miru 1 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 1 air duct pressure.		

## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
148	<b>Miru 1 Pressure regulator</b> Present Miru 1 air duct pressure regulator setpoint.	0-750Pa	PV 6.04
149	<b>Miru 1 Outdoor temperature</b> Present Miru 1 outdoor air temperature.	-55.00-95.00°C	PV 6.04
150	<b>Miru 1 Operation time</b> Present operation time for Miru 1, measured in minutes and present in days (24h).	0-9999	PV 6.04
151	<b>Miru 1 Fan level</b> Present running level for the Miru 1 air fan.	0-100.00%	PV 6.04
152	<b>Miru 1 Fan power</b> Present power consumption level for the Miru 1 air fan.	0-6000W	PV 6.04
153	<b>Miru 1 SFP</b> SFP value for Miru 1 air fan.	0.00-5.00	PV 6.04
154	<b>Miru 1 KWH</b> KWH value for Miru 1 air fan.	0-999KWH	PV 6.04
155	<b>Miru 1 MWH</b> MWH value for Miru 1 air fan.	0-32000MWH	PV 6.04
156	<b>Miru 2 Airflow</b> Present Miru 2 airflow.	0-10000l/s	PV 6.04
157	<b>Miru 2 Airflow regulator</b> Present Miru 2 airflow regulator setpoint.	0-10000l/s	PV 6.04
158	<b>Miru 2 Pressure</b> Present Miru 2 air duct pressure.	0-750Pa	PV 6.04
159	<b>Miru 2 Pressure regulator</b> Present Miru 2 air duct pressure regulator setpoint.	0-750Pa	PV 6.04
160	<b>Miru 2 Outdoor temperature</b> Present Miru 2 outdoor air temperature.	-55.00-95.00°C	PV 6.04
161	<b>Miru 2 Operation time</b> Present operation time for Miru 2, measured in minutes and present in days (24h).	0-9999	PV 6.04
162	<b>Miru 2 Fan level</b> Present running level for the Miru 2 air fan.	0-100.00%	PV 6.04
163	<b>Miru 2 Fan power</b> Present power consumption level for the Miru 2 air fan.	0-6000W	PV 6.04
164	<b>Miru 2 SFP</b> SFP value for Miru 2 air fan.	0.00-5.00	PV 6.04
165	<b>Miru 2 KWH</b> KWH value for Miru 2 air fan.	0-999KWH	PV 6.04
166	<b>Miru 2 MWH</b> MWH value for Miru 2 air fan.	0-32000MWH	PV 6.04
167	<b>Miru 3 Airflow</b> Present Miru 3 airflow.	0-10000l/s	PV 6.04
168	<b>Miru 3 Airflow regulator</b> Present Miru 3 airflow regulator setpoint.	0-10000l/s	PV 6.04
169	<b>Miru 3 Pressure</b> Present Miru 3 air duct pressure.	0-750Pa	PV 6.04
170	<b>Miru 3 Pressure regulator</b> Present Miru 3 air duct pressure regulator setpoint.	0-750Pa	PV 6.04
171	<b>Miru 3 Outdoor temperature</b> Present Miru 3 outdoor air temperature.	-55.00-95.00°C	PV 6.04
172	<b>Miru 3 Operation time</b> Present operation time for Miru 3, measured in minutes and present in days (24h).	0-9999	PV 6.04
173	<b>Miru 3 Fan level</b>	0-100.00%	PV 6.04

## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
	Present running level for the Miru 3 air fan.		
174	<b>Miru 3 Fan power</b>	0-6000W	PV 6.04
	Present power consumption level for the Miru 3 air fan.		
175	<b>Miru 3 SFP</b>	0.00-5.00	PV 6.04
	SFP value for Miru 3 air fan.		
176	<b>Miru 3 KWH</b>	0-999KWH	PV 6.04
	KWH value for Miru 3 air fan.		
177	<b>Miru 3 MWH</b>	0-32000MWH	PV 6.04
	MWH value for Miru 3 air fan.		
178	<b>Miru 4 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 4 airflow.		
179	<b>Miru 4 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 4 airflow regulator setpoint.		
180	<b>Miru 4 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 4 air duct pressure.		
181	<b>Miru 4 Pressure regulator</b>	0-750Pa	PV 6.04
	Present Miru 4 air duct pressure regulator setpoint.		
182	<b>Miru 4 Outdoor temperature</b>	-55.00-95.00°C	PV 6.04
	Present Miru 4 outdoor air temperature.		
183	<b>Miru 4 Operation time</b>	0-9999	PV 6.04
	Present operation time for Miru 4, measured in minutes and present in days (24h).		
184	<b>Miru 4 Fan level</b>	0-100.00%	PV 6.04
	Present running level for the Miru 4 air fan.		
185	<b>Miru 4 Fan power</b>	0-6000W	PV 6.04
	Present power consumption level for the Miru 4 air fan.		
186	<b>Miru 4 SFP</b>	0.00-5.00	PV 6.04
	SFP value for Miru 4 air fan.		
187	<b>Miru 4 KWH</b>	0-999KWH	PV 6.04
	KWH value for Miru 4 air fan.		
188	<b>Miru 4 MWH</b>	0-32000MWH	PV 6.04
	MWH value for Miru 4 air fan.		
189	<b>Miru 5 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 5 airflow.		
190	<b>Miru 5 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 5 airflow regulator setpoint.		
191	<b>Miru 5 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 5 air duct pressure.		
192	<b>Miru 5 Pressure regulator</b>	0-750Pa	PV 6.04
	Present Miru 5 air duct pressure regulator setpoint.		
193	<b>Miru 5 Outdoor temperature</b>	-55.00-95.00°C	PV 6.04
	Present Miru 5 outdoor air temperature.		
194	<b>Miru 5 Operation time</b>	0-9999	PV 6.04
	Present operation time for Miru 5, measured in minutes and present in days (24h).		
195	<b>Miru 5 Fan level</b>	0-100.00%	PV 6.04
	Present running level for the Miru 5 air fan.		
196	<b>Miru 5 Fan power</b>	0-6000W	PV 6.04
	Present power consumption level for the Miru 5 air fan.		
197	<b>Miru 5 SFP</b>	0.00-5.00	PV 6.04
	SFP value for Miru 5 air fan.		
198	<b>Miru 5 KWH</b>	0-999KWH	PV 6.04
	KWH value for Miru 5 air fan.		
199	<b>Miru 5 MWH</b>	0-32000MWH	PV 6.04

**Analog Inputs (RO).**

Object Instance	Object Name	Min/Max	Misc
	MWH value for Miru 5 air fan.		
<b>200</b>	<b>Miru 6 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 6 airflow.		
<b>201</b>	<b>Miru 6 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 6 airflow regulator setpoint.		
<b>202</b>	<b>Miru 6 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 6 air duct pressure.		
<b>203</b>	<b>Miru 6 Pressure regulator</b>	0-750Pa	PV 6.04
	Present Miru 6 air duct pressure regulator setpoint.		
<b>204</b>	<b>Miru 6 Outdoor temperature</b>	-55.00-95.00°C	PV 6.04
	Present Miru 6 outdoor air temperature.		
<b>205</b>	<b>Miru 6 Operation time</b>	0-9999	PV 6.04
	Present operation time for Miru 6, measured in minutes and present in days (24h).		
<b>206</b>	<b>Miru 6 Fan level</b>	0-100.00%	PV 6.04
	Present running level for the Miru 6 air fan.		
<b>207</b>	<b>Miru 6 Fan power</b>	0-6000W	PV 6.04
	Present power consumption level for the Miru 6 air fan.		
<b>208</b>	<b>Miru 6 SFP</b>	0.00-5.00	PV 6.04
	SFP value for Miru 6 air fan.		
<b>209</b>	<b>Miru 6 KWH</b>	0-999KWH	PV 6.04
	KWH value for Miru 6 air fan.		
<b>210</b>	<b>Miru 6 MWH</b>	0-32000MWH	PV 6.04
	MWH value for Miru 6 air fan.		
<b>211</b>	<b>Miru 7 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 7 airflow.		
<b>212</b>	<b>Miru 7 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 7 airflow regulator setpoint.		
<b>213</b>	<b>Miru 7 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 7 air duct pressure.		
<b>214</b>	<b>Miru 7 Pressure regulator</b>	0-750Pa	PV 6.04
	Present Miru 7 air duct pressure regulator setpoint.		
<b>215</b>	<b>Miru 7 Outdoor temperature</b>	-55.00-95.00°C	PV 6.04
	Present Miru 7 outdoor air temperature.		
<b>216</b>	<b>Miru 7 Operation time</b>	0-9999	PV 6.04
	Present operation time for Miru 7, measured in minutes and present in days (24h).		
<b>217</b>	<b>Miru 7 Fan level</b>	0-100.00%	PV 6.04
	Present running level for the Miru 7 air fan.		
<b>218</b>	<b>Miru 7 Fan power</b>	0-6000W	PV 6.04
	Present power consumption level for the Miru 7 air fan.		
<b>219</b>	<b>Miru 7 SFP</b>	0.00-5.00	PV 6.04
	SFP value for Miru 7 air fan.		
<b>220</b>	<b>Miru 7 KWH</b>	0-999KWH	PV 6.04
	KWH value for Miru 7 air fan.		
<b>221</b>	<b>Miru 7 MWH</b>	0-32000MWH	PV 6.04
	MWH value for Miru 7 air fan.		
<b>222</b>	<b>Miru 8 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 8 airflow.		
<b>223</b>	<b>Miru 8 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 8 airflow regulator setpoint.		
<b>224</b>	<b>Miru 8 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 8 air duct pressure.		
<b>225</b>	<b>Miru 8 Pressure regulator</b>	0-750Pa	PV 6.04

## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
	Present Miru 8 air duct pressure regulator setpoint.		
<b>226</b>	<b>Miru 8 Outdoor temperature</b>	-55.00-95.00°C	PV 6.04
	Present Miru 8 outdoor air temperature.		
<b>227</b>	<b>Miru 8 Operation time</b>	0-9999	PV 6.04
	Present operation time for Miru 8, measured in minutes and present in days (24h).		
<b>228</b>	<b>Miru 8 Fan level</b>	0-100.00%	PV 6.04
	Present running level for the Miru 8 air fan.		
<b>229</b>	<b>Miru 8 Fan power</b>	0-6000W	PV 6.04
	Present power consumption level for the Miru 8 air fan.		
<b>230</b>	<b>Miru 8 SFP</b>	0.00-5.00	PV 6.04
	SFP value for Miru 8 air fan.		
<b>231</b>	<b>Miru 8 KWH</b>	0-999KWH	PV 6.04
	KWH value for Miru 8 air fan.		
<b>232</b>	<b>Miru 8 MWH</b>	0-32000MWH	PV 6.04
	MWH value for Miru 8 air fan.		
<b>233</b>	<b>Miru 9 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 9 airflow.		
<b>234</b>	<b>Miru 9 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 9 airflow regulator setpoint.		
<b>235</b>	<b>Miru 9 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 9 air duct pressure.		
<b>236</b>	<b>Miru 9 Pressure regulator</b>	0-750Pa	PV 6.04
	Present Miru 9 air duct pressure regulator setpoint.		
<b>237</b>	<b>Miru 9 Outdoor temperature</b>	-55.00-95.00°C	PV 6.04
	Present Miru 9 outdoor air temperature.		
<b>238</b>	<b>Miru 9 Operation time</b>	0-9999	PV 6.04
	Present operation time for Miru 9, measured in minutes and present in days (24h).		
<b>239</b>	<b>Miru 9 Fan level</b>	0-100.00%	PV 6.04
	Present running level for the Miru 9 air fan.		
<b>240</b>	<b>Miru 9 Fan power</b>	0-6000W	PV 6.04
	Present power consumption level for the Miru 9 air fan.		
<b>241</b>	<b>Miru 9 SFP</b>	0.00-5.00	PV 6.04
	SFP value for Miru 9 air fan.		
<b>242</b>	<b>Miru 9 KWH</b>	0-999KWH	PV 6.04
	KWH value for Miru 9 air fan.		
<b>243</b>	<b>Miru 9 MWH</b>	0-32000MWH	PV 6.04
	MWH value for Miru 9 air fan.		
<b>244</b>	<b>Miru 10 Airflow</b>	0-10000l/s	PV 6.04
	Present Miru 10 airflow.		
<b>245</b>	<b>Miru 10 Airflow regulator</b>	0-10000l/s	PV 6.04
	Present Miru 10 airflow regulator setpoint.		
<b>246</b>	<b>Miru 10 Pressure</b>	0-750Pa	PV 6.04
	Present Miru 10 air duct pressure.		
<b>247</b>	<b>Miru 10 Pressure regulator</b>	0-750Pa	PV 6.04
	Present Miru 10 air duct pressure regulator setpoint.		
<b>248</b>	<b>Miru 10 Outdoor temperature</b>	-55.00-95.00°C	PV 6.04
	Present Miru 10 outdoor air temperature.		
<b>249</b>	<b>Miru 10 Operation time</b>	0-9999	PV 6.04
	Present operation time for Miru 10, measured in minutes and present in days (24h).		
<b>250</b>	<b>Miru 10 Fan level</b>	0-100.00%	PV 6.04
	Present running level for the Miru 10 air fan.		

## Analog Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
251	<b>Miru 10 Fan power</b> Present power consumption level for the Miru 10 air fan.	0-6000W	PV 6.04
252	<b>Miru 10 SFP</b> SFP value for Miru 10 air fan.	0.00-5.00	PV 6.04
253	<b>Miru 10 KWH</b> KWH value for Miru 10 air fan.	0-999KWH	PV 6.04
254	<b>Miru 10 MWH</b> MWH value for Miru 10 air fan.	0-32000MWH	PV 6.04
255	<b>BB Operation mode</b> Present Blue Box operation mode. 0=Stop 1=Heat 2=Cool	0-2	PV 6.05
256	<b>BB Cool temp regulator</b> Present Blue Box cool temperature regulator setpoint.	-40.0-176.0°C	PV 6.05
257	<b>BB Heat temp regulator</b> Present Blue Box heat temperature regulator setpoint.	-40.0-176.0°C	PV 6.05
258	<b>BB Supply water temperature</b> Present Blue Box supply water temperature.	-20.0-80.0°C	PV 6.05
259	<b>BB Return water temperature</b> Present Blue Box return water temperature.	-40.0-176.0°C	PV 6.05
260	<b>BB Supply pre-coil temperature</b> Present Blue Box pre-coil water temperature.	-20.0-80.0°C	PV 6.05
261	<b>Extended ext. reg. seq. frost temp</b> Present extended extra regulation sequence frost temperature.	-55.00-125.00°C	PV 6.07
262	<b>Extended ext. reg. seq. Output</b> Present extended extra regulation sequence output.	0-100.00%	PV 6.07
263	<b>Steam humid output</b> Present steam humidification output.	0-100.00%	PV 6.07
264	<b>End-filter pressure level</b> Present supply air end-filter pressure drop.	0-2000Pa	PV 6.07
265	<b>End-filter pressure level, new</b> Supply air end-filter pressure saved from calibration.	0-2000Pa	PV 6.07
266	<b>End-filter pressure alarm limit</b> Present supply air end-filter pressure alarm limit.	0-2000Pa	PV 6.07

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
<b>0</b>	<b>SA Low speed airflow setpoint</b> Supply airflow setpoint for the unit when running in low speed operation.	0-8200l/s	
<b>1</b>	<b>SA High speed airflow setpoint</b> Supply airflow setpoint for the unit when running in high speed operation.	0-8200l/s	
<b>2</b>	<b>SA Max speed airflow setpoint</b> Supply airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	0-8200l/s	
<b>3</b>	<b>SA Min speed airflow setpoint</b> Supply airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.	0-8200l/s	
<b>4</b>	<b>EA Low speed airflow setpoint</b> Extract airflow setpoint for the unit when running in low speed operation.	0-8200l/s	
<b>5</b>	<b>EA High speed airflow setpoint</b> Extract airflow setpoint for the unit when running in high speed operation.	0-8200l/s	
<b>6</b>	<b>EA Max speed airflow setpoint</b> Extract airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	0-8200l/s	
<b>7</b>	<b>EA Min speed airflow setpoint</b> Extract airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.	0-8200l/s	
<b>8</b>	<b>SA Low speed pressure setpoint</b> Supply air duct pressure setpoint for the unit when running in low speed operation.	0-750Pa	
<b>9</b>	<b>SA High speed pressure setpoint</b> Supply air duct pressure for the unit when running in high speed operation.	20-750Pa	
<b>10</b>	<b>SA Max speed output signal</b> Max. limit for the supply air fan speed when running in pressure regulation mode.	10.00-100.00%	
<b>11</b>	<b>SA Max speed pressure setpoint</b> Supply air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	20-750Pa	
<b>12</b>	<b>EA Low speed pressure setpoint</b> Extract air duct pressure setpoint for the unit when running in low speed operation.	0-750Pa	
<b>13</b>	<b>EA High speed pressure setpoint</b> Extract air duct pressure setpoint for the unit when running in high speed operation.	20-750Pa	
<b>14</b>	<b>EA Max speed output signal</b> Max. limit for the extract air fan speed when running in pressure regulation mode.	10.00-100.00%	
<b>15</b>	<b>EA Max speed pressure setpoint</b> Extract air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.	20-750Pa	
<b>16</b>	<b>SA Low speed demand setpoint</b>	0-100.00%	

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Supply air setpoint for the 0-10V input signal on terminal 30..31 for the unit when running in low speed operation.		
17	<b>SA High speed demand setpoint</b>	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.		
18	<b>EA Low speed demand setpoint</b>	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.		
19	<b>EA High speed demand setpoint</b>	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.		
20	<b>SA Airflow regulation zone</b>	1.00 - 10.00	
	Supply airflow regulation zone setting in % of the present airflow setpoint that the regulator is allowed to work within.		
21	<b>SA Airflow C-factor</b>	0.005 - 2.500	
	Supply airflow regulator affection setting.		
22	<b>EA Airflow regulation zone</b>	1.00 - 10.00	
	Extract airflow regulation zone setting in % of the present airflow setpoint that the regulator is allowed to work within.		
23	<b>EA Airflow C-factor</b>	0.005 - 2.500	
	Extract airflow regulator affection setting.		
24	<b>SA Pressure regulation zone</b>	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.		
25	<b>SA Pressure C-factor</b>	0.005 - 2.500	
	Supply air pressure regulator affection setting.		
26	<b>EA Pressure regulation zone</b>	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.		
27	<b>EA Pressure C-factor</b>	0.005 - 2.500	
	Extract air pressure regulator affection setting.		
28	<b>SA Demand P-band.</b>	1.00 - 100.00	
	Supply air demand regulator P-band setting.		
29	<b>SA Demand C-factor</b>	0.005 - 2.500	
	Supply air demand regulator affection setting.		
30	<b>EA Demand P-band.</b>	1.00 - 100.00	
	Extract air demand regulator P-band setting.		
31	<b>EA Demand C-factor</b>	0.005 - 2.500	
	Extract air demand regulator affection setting.		
32	<b>ERS 1 Diff</b>	1.00 - 7.00°C	
	Supply air temperature difference setting according to the diagram for ERS 1.		
33	<b>ERS 1 Breakpoint</b>	12.00 - 26.00°C	
	Breakpoint setting according to the diagram for ERS 1.		
34	<b>ERS 2 Breakpoint X1</b>	10.00-38.00°C	
	Breakpoint X1 setting according to the diagram for ERS 2.		
35	<b>ERS 2 Breakpoint Y1</b>	10.00-40.00°C	
	Breakpoint Y1 setting according to the diagram for ERS 2.		
36	<b>ERS 2 Breakpoint X2</b>	11.00-39.00°C	
	Breakpoint X2 setting according to the diagram for ERS 2.		
37	<b>ERS 2 Breakpoint Y2</b>	10.00-40.00°C	



## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Breakpoint Y2 setting according to the diagram for ERS 2.		
38	<b>ERS 2 Breakpoint X3</b>	12.00-40.00°C	
	Breakpoint X3 setting according to the diagram for ERS 2.		
39	<b>ERS 2 Breakpoint Y3</b>	10.00-40.00°C	
	Breakpoint Y3 setting according to the diagram for ERS 2.		
40	<b>SA Temperature setpoint</b>	10.00-40.00°C	
	Supply air temperature setting, for supply air temp regulation mode.		
41	<b>EA/Room Temperature setpoint</b>	10.00-40.00°C	
	Extract air/room temperature setting, for Extract air/room temp regulation mode.		
42	<b>SA Min temp setpoint</b>	8.00-20.00°C	
	Supply air min.setpoint during EA/room regulation mode.		
43	<b>SA Max temp setpoint</b>	16.00-50.00°C	
	Supply air max.setpoint during EA/room regulation mode.		
44	<b>SA Temperature P-band</b>	1.00 - 40.00	
	Supply air temperature regulator P-band setting.		
45	<b>EA/Room Temperature P-band</b>	1.00 - 40.00	
	Extract air/room temperature regulator P-band setting.		
46	<b>SA HX. Reg C-factor</b>	0.000 - 2.500	
	Supply air heat exchange regulator affection setting.		
47	<b>EA/Room HX. Reg C-factor</b>	0.000 - 2.500	
	Extract air/room heat exchange regulator affection setting.		
48	<b>SA Heat Reg C-factor</b>	0.000 - 2.500	
	Supply air reheat regulator affection setting.		
49	<b>EA/Room Heat Reg C-factor</b>	0.000 - 2.500	
	Extract air/room reheat regulator affection setting.		
50	<b>SA Extra Reg heat C-factor</b>	0.000 - 2.500	
	Supply air extra regulation sequence for reheating regulator affection setting.		
51	<b>SA Extra Reg cool C-factor</b>	0.000 - 2.500	
	Supply air extra regulation sequence for cooling regulator affection setting.		
52	<b>EA Extra Reg heat C-factor</b>	0.000 - 2.500	
	Extract air extra regulation sequence for reheating regulator affection setting.		
53	<b>EA Extra Reg cool C-factor</b>	0.000 - 2.500	
	Extract air extra regulation sequence for cooling regulator affection setting.		
54	<b>SA Down regulation Reg C-factor</b>	0.000 - 2.500	
	Supply air reheat regulator affection setting.		
55	<b>Reserve AV1</b>		
56	<b>SA Cool reg C-factor</b>	0.000 - 2.500	
	Supply air cool regulator affection setting.		
57	<b>EA/Room Cool reg C-factor</b>	0.000 - 2.500	

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Extract air/room cool regulator affection setting.		
58	<b>SA Cooling boost C-factor</b>	0.000 - 2.500	
	Supply air cooling boost affection setting.		
59	<b>EA/Room Cooling boost reg C-factor</b>	0.000 - 2.500	
	Extract air/room cooling boost regulator affection setting.		
60	<b>HX Pressure alarm set.</b>	30 - 100Pa	
	Heat exchange pressure alarm limit setting (alarm no.38).		
61	<b>P/C.HX. defrost P-band</b>	1.00 - 40.00	
	Plate/coil heat exchange defrost P-band setting.		
62	<b>P/C.HX. defrost C-factor</b>	0.000 - 2.500	
	Plate/coil heat exchange defrost C-factor setting.		
63	<b>Cooling off set.</b>	10 - 50%	
	Cooling off airflow setting in % of max. airflow.		
64	<b>SA Down regulation neutral zone</b>	0.00-10.00°C	
	Neutral zone setting before downregulation is permitted.		
65	<b>Cool Outdoor temp limit.1</b>	0.00-25.00°C	
	Outdoor temperature limit setting for cooling stage 1.		
66	<b>Cool Outdoor temp limit.2</b>	0.00-25.00°C	
	Outdoor temperature limit setting for cooling stage 2.		
67	<b>Cool Outdoor temp limit.3</b>	0.00-25.00°C	
	Outdoor temperature limit setting for cooling stage 3.		
68	<b>Temperature reg. Neutral zone</b>	0.50-10.00°C	
	Neutral zone setting before shift between heating and cooling.		
69	<b>SA Cool min air flow</b>	0-8200l/s	
	Supply air min. air flow setting for cooling.		
70	<b>EA Cool min air flow</b>	0-8200l/s	
	Extract air min. air flow setting for cooling.		
71	<b>Heating boost start limit</b>	0.00-40.00°C	
	Heating boost start temperature limit.		
72	<b>Cooling boost start limit</b>	0.00-40.00°C	
	Cooling boost (comfort) start temperature limit.		
73	<b>SA Filter alarm limit</b>	50-300Pa	
	Supply air filter pressure alarm limit setting.		
74	<b>EA Filter alarm limit</b>	50-300Pa	
	Extract air filter pressure alarm limit setting.		
75	<b>Int. Night heat room start temp</b>	5.00-25.00°C	
	Intermittent night heat function, extract air temperature setting for start.		
76	<b>Int. Night heat room stop temp</b>	5.00-25.00°C	
	Intermittent night heat function, extract air temperature setting for stop.		
77	<b>Int. Night heat SA temp setpoint</b>	5.00-40.00°C	
	Intermittent night heat function, supply air temperature setpoint during night heat.		
78	<b>Int. Night heat SA airflow setpoint</b>	0-8200l/s	
	Intermittent night heat function, supply airflow setpoint during night heat.		
79	<b>Int. Night heat EA airflow setpoint</b>	0-8200l/s	

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Intermittent night heat function, extract airflow setpoint during night heat.		
80	<b>Summer night cool EA start temp</b>	17.00-27.00°C	
	Summer night cool function, extract air temperature setting for start.		
81	<b>Summer night cool EA stop temp</b>	12.00-22.00°C	
	Summer night cool function, extract air temperature setting for stop.		
82	<b>Summer night cool outdoor temp limit</b>	5.00-15.00°C	
	Summer night cool function, outdoor temperature limit.		
83	<b>Summer night cool SA temp setpoint</b>	10.00-20.00°C	
	Summer night cool function, supply air temperature setpoint during summer night cool.		
84	<b>Outdoor temp comp. Winter X1.</b>	-30.00-(-10.00)°C	
	Endpoint of winter compensation.		
85	<b>Outdoor temp comp. Winter X2.</b>	-10.00-15.00°C	
	Startpoint of winter compensation.		
86	<b>Outdoor temp comp. Winter Y1.</b>	0.00-10.00°C	
	Level of winter compensation at X1.		
87	<b>Outdoor temp comp. Summer X3.</b>	15.00-25.00°C	
	Startpoint of summer compensation.		
88	<b>Outdoor temp comp. Summer X4.</b>	25.00-40.00°C	
	Endpoint of summer compensation.		
89	<b>Outdoor temp comp. Summer Y2.</b>	-10.00-10.00°C	
	Level of summer compensation at X4.		
90	<b>Outdoor airflow comp. Winter X1.</b>	-30.00-(-10.00)°C	
	Endpoint of winter compensation.		
91	<b>Outdoor airflow comp. Winter X2.</b>	-10.00-15.00°C	
	Startpoint of winter compensation.		
92	<b>Outdoor airflow comp. Winter Y1.</b>	0-50.00%	
	Level of airflow compensation at X1.		
93	<b>Extra Reg. Sequence max output</b>	0-100.00%	
	Maximum output signal setting for the extra regulation sequence.		
94	<b>EA/Room min temp alarm limit</b>	8.00-20.00°C	
	Setting for min extract air /room temp alarm no.40.		
95	<b>SA Deviation alarm limit</b>	2.00-15.00°C	
	Setting for supply air temperature below present setpoint, alarm no.41.		
96	<b>Reserve AV2</b>		
97	<b>SA Fan regulation mode</b>	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.		
98	<b>EA Fan regulation mode</b>	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.		

**Analog Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
<b>99</b>	<b>ERS Step</b>	1 - 4	
	Setting of curve when temperature is above breakpoint.		
<b>100</b>	<b>Temperature regulation mode.</b>	0 - 3	
	Setting of temperature regulation type. 0=ERS 1 reg. 1=ERS 2 reg. 2=SA reg. 3=EA/Room reg.		
<b>101</b>	<b>Cooling off period</b>	60 - 900s	
	Time setting for cooling off electrical heating coil.		
<b>102</b>	<b>Cool step time set</b>	0 - 600s	
	Time setting between cool step shift.		
<b>103</b>	<b>Cool restart time</b>	60 - 900s	
	Setting of time between two starts of the cool relays.		
<b>104</b>	<b>Cool regulation mode</b>	0 - 6	
	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)		
<b>105</b>	<b>Heating boost regulation mode.</b>	0 - 1	
	Setting for heating boost function. 0=Inactive. 1=Active.		
<b>106</b>	<b>Cooling boost regulation mode.</b>	0 - 5	
	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).		
<b>107</b>	<b>Filter calibration mode</b>	0 - 5	
	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).		
<b>108</b>	<b>Air adjustment time, minutes</b>	0 - 1727	
	Setting for amount of minutes to air adjustment function.		
<b>109</b>	<b>Air adjustment time, hours</b>	0 - 28	
	Setting for amount of hours to air adjustment function.		
<b>110</b>	<b>Hand terminal language</b>	0 - 18	

**Analog Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
	0=Svenska 1=Norsk 2=Dansk 3=Suomi 4=English 5=Français 6=Deutsch 7=Polski 8=Český 9=Italiano 10=Español 11=Português 12=Русский 13=Eesti 14=Latviesu 15=Lietiviu 16=Nederlands 17=Magyar (New in PV 5.00) 18=Türkçe (New in PV 5.01)		
<b>111</b>	<b>Summer night cool start, hour</b>	0-23	
	Setting for start time of summer night cooling function.		
<b>112</b>	<b>Summer night cool start, minute</b>	0-59	
	Setting for start time of summer night cooling function.		
<b>113</b>	<b>Summer night cool stop, hour</b>	0-23	
	Setting for stop time of summer night cooling function.		
<b>114</b>	<b>Summer night cool stop, minute</b>	0-59	
	Setting for stop time of summer night cooling function.		
<b>115</b>	<b>Extra regulation sequence cool mode</b>	0 - 2	
	Setting of extra regulation sequence cool type. 0=Inactive. 1=Comfort. 2=Economy.		
<b>116</b>	<b>Extra regulation sequence heat mode</b>	0 - 2	
	Setting of extra regulation sequence heat type. 0=Inactive. 1=Comfort. 2=Economy.		
<b>117</b>	<b>Morning boost time, hours</b>	0-23	
	Setting of morning boost time before normal operation.		
<b>118</b>	<b>Morning boost time, minutes</b>	0-59	
	Setting of morning boost time before normal operation.		
<b>119</b>	<b>Startup time</b>	0 - 600s	
	Setting of time for startup when the unit regulator is running with fixed signals.		
<b>120</b>	<b>Start delay SA fan.</b>	0 - 600s	
	Setting of start delay time for the supply air fan.		
<b>121</b>	<b>Start delay EA fan.</b>	0 - 600s	
	Setting of start delay time for the extract air fan after supply air fan has started.		
<b>122</b>	<b>Air flow unit</b>	0 - 2	

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc																								
	Setting of air flow unit presented in the unit's hand terminal and WEB. 0=l/s. 1=m3/s. 2=m3/h.																										
123	<b>Reserve AV3</b>																										
124	<b>Year</b> Setting for the unit's internal clock.	2000-2099																									
125	<b>Month</b> Setting for the unit's internal clock.	1-12																									
126	<b>Date</b> Setting for the unit's internal clock.	0-31																									
127	<b>Hour</b> Setting for the unit's internal clock.	0-23																									
128	<b>Minute</b> Setting for the unit's internal clock.	0-59																									
129	<b>Second</b> Setting for the unit's internal clock.	0-59																									
130	<b>Time channel 1 status</b>  <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Low speed</b></td> <td style="width: 50%;"><b>High speed</b></td> </tr> <tr> <td>0=Inactive</td> <td>16=Inactive</td> </tr> <tr> <td>1=Monday</td> <td>17=Monday</td> </tr> <tr> <td>2=Tuesday</td> <td>18=Tuesday</td> </tr> <tr> <td>3=Wednesday</td> <td>19=Wednesday</td> </tr> <tr> <td>4=Thursday</td> <td>20=Thursday</td> </tr> <tr> <td>5=Friday</td> <td>21=Friday</td> </tr> <tr> <td>6=Saturday</td> <td>22=Saturday</td> </tr> <tr> <td>7=Sunday</td> <td>23=Sunday</td> </tr> <tr> <td>8=Monday..Friday</td> <td>24=Monday..Friday</td> </tr> <tr> <td>9=Monday..Sunday</td> <td>25=Monday..Sunday</td> </tr> <tr> <td>10=Saturday..Sunday</td> <td>26=Saturday..Sunday</td> </tr> </table>	<b>Low speed</b>	<b>High speed</b>	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	0-10,16-26	
<b>Low speed</b>	<b>High speed</b>																										
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																										
131	<b>Time channel 1 start hour</b>	0-23																									
132	<b>Time channel 1 start minute</b>	0-59																									
133	<b>Time channel 1 stop hour</b>	0-23																									
134	<b>Time channel 1 stop minute</b>	0-59																									
135	<b>Time channel 2 status</b>	0-10,16-26																									
136	<b>Time channel 2 start hour</b>	0-23																									
137	<b>Time channel 2 start minute</b>	0-59																									
138	<b>Time channel 2 stop hour</b>	0-23																									
139	<b>Time channel 2 stop minute</b>	0-59																									
140	<b>Time channel 3 status</b>	0-10,16-26																									
141	<b>Time channel 3 start hour</b>	0-23																									
142	<b>Time channel 3 start minute</b>	0-59																									
143	<b>Time channel 3 stop hour</b>	0-23																									
144	<b>Time channel 3 stop minute</b>	0-59																									
145	<b>Time channel 4 status</b>	0-10,16-26																									
146	<b>Time channel 4 start hour</b>	0-23																									
147	<b>Time channel 4 start minute</b>	0-59																									
148	<b>Time channel 4 stop hour</b>	0-23																									
149	<b>Time channel 4 stop minute</b>	0-59																									
150	<b>Time channel 5 status</b>	0-10,16-26																									

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
151	Time channel 5 start hour	0-23	
152	Time channel 5 start minute	0-59	
153	Time channel 5 stop hour	0-23	
154	Time channel 5 stop minute	0-59	
155	Time channel 6 status	0-10,16-26	
156	Time channel 6 start hour	0-23	
157	Time channel 6 start minute	0-59	
158	Time channel 6 stop hour	0-23	
159	Time channel 6 stop minute	0-59	
160	Time channel 7 status	0-10,16-26	
161	Time channel 7 start hour	0-23	
162	Time channel 7 start minute	0-59	
163	Time channel 7 stop hour	0-23	
164	Time channel 7 stop minute	0-59	
165	Time channel 8 status	0-10,16-26	
166	Time channel 8 start hour	0-23	
167	Time channel 8 start minute	0-59	
168	Time channel 8 stop hour	0-23	
169	Time channel 8 stop minute	0-59	
170	<b>Extended low speed op. Hours set</b>	0-23	
	Setting for extended low speed operation.		
171	<b>Extended low speed op. Minutes set</b>	0-59	
	Setting for extended low speed operation.		
172	<b>Extended high speed op. Hours set</b>	0-23	
	Setting for extended low speed operation.		
173	<b>Extended high speed op. Minutes set</b>	0-59	
	Setting for extended low speed operation.		
174	<b>Communication operation mode</b>	0 - 4	
	Setting of unit operation mode from communication. 0=Auto operation (Normal stop when time channels are deactivated). 1=Communication stop 1. 2=Communication low speed. 3=Communication high speed. 4=Communication stop 2 (New in PV 5.00). Intermittent night heat and morning boost functions works at stop 2.		
175	<b>Service period alarm.</b>	0-99	
	Setting for delay time in months before service alarm.		
176	<b>External alarm 1 delay</b>	1 - 600s	
	Setting of delay time for external alarm no 1		
177	<b>External alarm 2 delay</b>	1 - 600s	
	Setting of delay time for external alarm no 2		
178	<b>Int. Night heat SA pressure setpoint</b>	20-750Pa	
	Intermittent night heat function, supply pressure setpoint during night heat.		
179	<b>Int. Night heat EA pressure setpoint</b>	20-750Pa	
	Intermittent night heat function, extract pressure setpoint during night heat.		
180	<b>Copy of Coil Status 1-16</b>	0-65535	

**Analog Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
	Bit 0=1x0001 Bit 1=1x0002 Bit 15=1x0016		
<b>181</b>	<b>Copy of Coil Status 17-32</b>	0-65535	
	Bit 0=1x00017 Bit 1=1x00018 Bit 15=1x0032		
<b>182</b>	<b>Copy of Coil Status 33-48</b>	0-65535	
	Bit 0=1x00033 Bit 1=1x00034 Bit 15=1x0048		
<b>183</b>	<b>Heat relay periodic func.</b>	0-3	
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve (PV 2.02)		
<b>184</b>	<b>Cool relay 1 periodic func.</b>	0-3	
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve (PV 2.02)		
<b>185</b>	<b>Cool relay 2 periodic func.</b>	0-3	
	Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve (PV 2.02)		
<b>186</b>	<b>Slave control C-factor</b>	0.5 - 2.0	
	Slave regulator affection setting.		
<b>187</b>	<b>SA dehumid P-band</b>	1.00 - 40.00	
	SA dehumid regulator P-band setting.		
<b>188</b>	<b>SA dehumid C-factor</b>	0.000 - 2.500	
	SA dehumid regulator affection setting.		
<b>189</b>	<b>Dewpoint reg. P-band</b>	1.00 - 40.00	
	Dewpoint regulator P-band setting.		
<b>190</b>	<b>Dewpoint reg. C-factor</b>	0.000 - 2.500	
	Dewpoint regulator affection setting.		
<b>191</b>	<b>AYC chilled water temperature set</b>	5.00-30.00°C	
	Setting of AYC chilled water temperature setpoint.		
<b>192</b>	<b>Dewpoint neutral zone</b>	0.00-5.00°C	
	Dewpoint neutral zone setting.		
<b>193</b>	<b>Comp. airflow</b>	0-30.00%	
	Setting of comp. airflow.		
<b>194</b>	<b>Supply air-humidity</b>	10.00-90.00%	
	Setting of supply air-humidity.		
<b>195</b>	<b>Water heating periodic op. time</b>	0-60min	
	Setting of periodic op. time (minute).		
<b>196</b>	<b>Water heating interval</b>	0-168h	
	Setting of water heating interval time (hour).		
<b>197</b>	<b>Cool periodic op. time</b>	0-60min	
	Setting of periodic op. time (minute).		
<b>198</b>	<b>Cool interval</b>	0-168h	



## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Setting of cool interval time (hour).		
<b>199</b>	<b>P/C.HX. bypass adj.</b>	-5.00-5.00°C	
	Setting of plate/coil heat exchange bypass adjustment.		
<b>200</b>	<b>EA/Room temperature external func.</b>	0-3	PV 5.15
	Setting of EA/Room temperature (external) function. 0=Inactive. 1=Input signal on terminal 40..41. 2=Communication (AV 201). 3=Min/Max/Average (PV 5.15).		
<b>201</b>	<b>EA/Room temperature com.</b>	-55.00-125.00°C	
	Setting of EA/Room temperature via communication.		
<b>202</b>	<b>Outdoor temperature external func.</b>	0-2	
	Setting of outdoor temperature (external) function. 0=Inactive. 1=Input signal on terminal 38..39. 2=Communication (AV 203).		
<b>203</b>	<b>Outdoor temperature com.</b>	-55.00-125.00°C	
	Setting of outdoor temperature via communication.		
<b>204</b>	<b>Timeout temperature com.</b>	0-9999min	
	Setting of timeout for temperature via communication (AV 201, AV 203).		
<b>205</b>	<b>Flow at fire function.</b>	0-3	
	Setting for activating the air fan operation at fire function 0=Inactive. 1=SA. 2=EA. 3=SA+EA.		
<b>206</b>	<b>Air fan down regulation func.</b>	0-2	
	Setting for activating the air fan down regulation function 0=Inactive. 1=SA. 2=SA+EA.		
<b>207</b>	<b>SA speed at fire.</b>	50.00-100.00%	
	Setting of supply air speed at fire.		
<b>208</b>	<b>EA speed at fire.</b>	50.00-100.00%	
	Setting of extract air speed at fire.		
<b>209</b>	<b>Temperature alarm setpoint.</b>	-25.00-25.00°C	
	Temperature alarm function setting (no.80).		
<b>210</b>	<b>Temperature alarm time.</b>	1-999s	
	Setting of delay time for temperature alarm (no.80).		
<b>211</b>	<b>Supply air min P-band.</b>	1.00 - 40.00	
	Supply air min regulator P-band setting.		
<b>212</b>	<b>Supply air min C-factor.</b>	0.000 - 2.500	
	Supply air min regulator affection setting.		
<b>213</b>	<b>Supply air max P-band.</b>	1.00 - 40.00	
	Supply air max regulator P-band setting.		
<b>214</b>	<b>Supply air max C-factor.</b>	0.000 - 2.500	
	Supply air max regulator affection setting.		
<b>215</b>	<b>Year channel 1 function.</b>	0 - 3	
	0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
<b>216</b>	<b>Year channel 1 start year.</b>	2000 - 2099	

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
217	Year channel 1 start month.	1 - 12	
218	Year channel 1 start date.	1 - 31	
219	Year channel 1 start hour.	0 - 23	
220	Year channel 1 start minute.	0 - 59	
221	Year channel 1 stop year.	2000 - 2099	
222	Year channel 1 stop month.	1 - 12	
223	Year channel 1 stop date.	1 - 31	
224	Year channel 1 stop hour.	0 - 23	
225	Year channel 1 stop minute.	0 - 59	
226	Year channel 2 function.	0 - 3	
227	Year channel 2 start year.	2000 - 2099	
228	Year channel 2 start month.	1 - 12	
229	Year channel 2 start date.	1 - 31	
230	Year channel 2 start hour.	0 - 23	
231	Year channel 2 start minute.	0 - 59	
232	Year channel 2 stop year.	2000 - 2099	
233	Year channel 2 stop month.	1 - 12	
234	Year channel 2 stop date.	1 - 31	
235	Year channel 2 stop hour.	0 - 23	
236	Year channel 2 stop minute.	0 - 59	
237	Year channel 3 function.	0 - 3	
238	Year channel 3 start year.	2000 - 2099	
239	Year channel 3 start month.	1 - 12	
240	Year channel 3 start date.	1 - 31	
241	Year channel 3 start hour.	0 - 23	
242	Year channel 3 start minute.	0 - 59	
243	Year channel 3 stop year.	2000 - 2099	
244	Year channel 3 stop month.	1 - 12	
245	Year channel 3 stop date.	1 - 31	
246	Year channel 3 stop hour.	0 - 23	
247	Year channel 3 stop minute.	0 - 59	
248	Year channel 4 function.	0 - 3	
249	Year channel 4 start year.	2000 - 2099	
250	Year channel 4 start month.	1 - 12	
251	Year channel 4 start date.	1 - 31	
252	Year channel 4 start hour.	0 - 23	
253	Year channel 4 start minute.	0 - 59	
254	Year channel 4 stop year.	2000 - 2099	
255	Year channel 4 stop month.	1 - 12	
256	Year channel 4 stop date.	1 - 31	
257	Year channel 4 stop hour.	0 - 23	
258	Year channel 4 stop minute.	0 - 59	
259	Year channel 5 function.	0 - 3	
260	Year channel 5 start year.	2000 - 2099	
261	Year channel 5 start month.	1 - 12	
262	Year channel 5 start date.	1 - 31	
263	Year channel 5 start hour.	0 - 23	
264	Year channel 5 start minute.	0 - 59	
265	Year channel 5 stop year.	2000 - 2099	
266	Year channel 5 stop month.	1 - 12	
267	Year channel 5 stop date.	1 - 31	
268	Year channel 5 stop hour.	0 - 23	
269	Year channel 5 stop minute.	0 - 59	
270	Year channel 6 function.	0 - 3	

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
271	Year channel 6 start year.	2000 - 2099	
272	Year channel 6 start month.	1 - 12	
273	Year channel 6 start date.	1 - 31	
274	Year channel 6 start hour.	0 - 23	
275	Year channel 6 start minute.	0 - 59	
276	Year channel 6 stop year.	2000 - 2099	
277	Year channel 6 stop month.	1 - 12	
278	Year channel 6 stop date.	1 - 31	
279	Year channel 6 stop hour.	0 - 23	
280	Year channel 6 stop minute.	0 - 59	
281	Year channel 7 function.	0 - 3	
282	Year channel 7 start year.	2000 - 2099	
283	Year channel 7 start month.	1 - 12	
284	Year channel 7 start date.	1 - 31	
285	Year channel 7 start hour.	0 - 23	
286	Year channel 7 start minute.	0 - 59	
287	Year channel 7 stop year.	2000 - 2099	
288	Year channel 7 stop month.	1 - 12	
289	Year channel 7 stop date.	1 - 31	
290	Year channel 7 stop hour.	0 - 23	
291	Year channel 7 stop minute.	0 - 59	
292	Year channel 8 function.	0 - 3	
293	Year channel 8 start year.	2000 - 2099	
294	Year channel 8 start month.	1 - 12	
295	Year channel 8 start date.	1 - 31	
296	Year channel 8 start hour.	0 - 23	
297	Year channel 8 start minute.	0 - 59	
298	Year channel 8 stop year.	2000 - 2099	
299	Year channel 8 stop month.	1 - 12	
300	Year channel 8 stop date.	1 - 31	
301	Year channel 8 stop hour.	0 - 23	
302	Year channel 8 stop minute.	0 - 59	
303	Filter select. Setting for filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.	0 - 3	
304	Pre-filter select. Setting for pre-filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.	0 - 3	
305	SA pre-filter alarm limit. Supply air pre-filter pressure alarm limit setting.	50-300Pa	
306	EA pre-filter alarm limit. Extract air pre-filter pressure alarm limit setting.	50-300Pa	
307	Pre-filter calibration mode. Setting for required filter calibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter.	0 - 3	

**Analog Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
<b>308</b>	<b>Xzone reheat function.</b>	0 - 4	
	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.		
<b>309</b>	<b>Xzone cooling function.</b>	0 - 5	
	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.		
<b>310</b>	<b>Xzone temperature reg. Neutral zone.</b>	0.50-10.00°C	
	Xzone neutral zone setting before shift between heating and cooling.		
<b>311</b>	<b>Xzone temperature regulation mode.</b>	0 - 3	
	Setting of Xzone temperature regulation type. 0=ERS 1 reg. 1=ERS 2 reg. 2=SA reg. 3=EA/Room reg.		
<b>312</b>	<b>Xzone ERS Step.</b>	1 - 4	
	Setting of Xzone curve when temperature is above breakpoint.		
<b>313</b>	<b>Xzone ERS 1 Diff.</b>	1.00 - 7.00°C	
	Supply air temperature difference setting according to the diagram for Xzone ERS 1.		
<b>314</b>	<b>Xzone ERS 1 Breakpoint.</b>	12.00 - 26.00°C	
	Breakpoint setting according to the diagram for Xzone ERS 1.		
<b>315</b>	<b>Xzone ERS 2 Breakpoint X1.</b>	10.00-38.00°C	
	Breakpoint X1 setting according to the diagram for Xzone ERS 2.		
<b>316</b>	<b>Xzone ERS 2 Breakpoint Y1.</b>	10.00-40.00°C	
	Breakpoint Y1 setting according to the diagram for Xzone ERS 2.		
<b>317</b>	<b>Xzone ERS 2 Breakpoint X2.</b>	11.00-39.00°C	
	Breakpoint X2 setting according to the diagram for Xzone ERS 2.		
<b>318</b>	<b>Xzone ERS 2 Breakpoint Y2.</b>	10.00-40.00°C	
	Breakpoint Y2 setting according to the diagram for Xzone ERS 2.		
<b>319</b>	<b>Xzone ERS 2 Breakpoint X3.</b>	12.00-40.00°C	
	Breakpoint X3 setting according to the diagram for Xzone ERS 2.		
<b>320</b>	<b>Xzone ERS 2 Breakpoint Y3.</b>	10.00-40.00°C	
	Breakpoint Y3 setting according to the diagram for Xzone ERS 2.		
<b>321</b>	<b>Xzone SA Temperature setpoint.</b>	10.00-40.00°C	
	Xzone supply air temperature setting, for supply air temp regulation mode.		

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
322	<b>Xzone EA/Room Temperature setpoint.</b>	10.00-40.00°C	
	Xzone extract air/room temperature setting, for extract air/room temp regulation mode.		
323	<b>Xzone SA Min temp setpoint.</b>	8.00-20.00°C	
	Xzone supply air min.setpoint during EA/room regulation mode.		
324	<b>Xzone SA Max temp setpoint.</b>	16.00-50.00°C	
	Xzone supply air max.setpoint during EA/room regulation mode.		
325	<b>Pre-heating function.</b>	0 - 4	
	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.		
326	<b>Pre-heating setpoint.</b>	-30.00-30.00°C	
	Setting of pre-heating temperature setpoint.		
327	<b>Xzone P-band.</b>	1.00-40.00	
	Xzone regulator P-band setting.		
328	<b>Xzone SA reheat C-factor.</b>	0.000 - 2.500	
	Xzone supply air reheat regulator affection setting.		
329	<b>Xzone SA cooling C-factor.</b>	0.000 - 2.500	
	Xzone supply air cooling regulator affection setting.		
330	<b>Xzone EA reheat C-factor.</b>	0.000 - 2.500	
	Xzone extract air reheat regulator affection setting.		
331	<b>Xzone EA cooling C-factor.</b>	0.000 - 2.500	
	Xzone extract air cooling regulator affection setting.		
332	<b>Xzone SA min P-band.</b>	1.00 - 40.00	
	Xzone supply air min regulator P-band setting.		
333	<b>Xzone SA min C-factor.</b>	0.000 - 2.500	
	Xzone supply air min regulator affection setting.		
334	<b>Xzone SA max P-band.</b>	1.00 - 40.00	
	Xzone supply air max regulator P-band setting.		
335	<b>Xzone SA max C-factor.</b>	0.000 - 2.500	
	Xzone supply air min regulator affection setting.		
336	<b>Preheat P-band.</b>	1.00 - 40.00	
	Preheat regulator P-band setting.		
337	<b>Preheat C-factor.</b>	0.000 - 2.500	
	Preheat regulator affection setting.		
338	<b>ReCO2 CO2 function.</b>	0 - 2	
	Setting of ReCO2 CO2 function. 0=Inactive. 1=CO2. 2=CO2+flow.		
339	<b>ReCO2 CO2 setpoint.</b>	0-100.00%	
	Setting of ReCO2 CO2 setpoint.		
340	<b>ReCO2 cooling function.</b>	0 - 2	
	Setting of ReCO2 cooling function. 0=Inactive. 1=Comfort. 2=Economy.		
341	<b>ReCO2 heating function.</b>	0 - 2	

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Setting of ReCO2 heating function. 0=Inactive. 1=Comfort. 2=Economy.		
<b>342</b>	<b>ReCO2 min outdoor air.</b>	0-8200l/s	
	Setting of ReCO2 min outdoor air.		
<b>343</b>	<b>ReCO2 min exhaust air.</b>	0-8200l/s	
	Setting of ReCO2 min exhaust air.		
<b>344</b>	<b>ReCO2 CO2 P-band.</b>	1.00 - 100.00	
	ReCO2 CO2 regulator P-band setting.		
<b>345</b>	<b>ReCO2 CO2 C-factor.</b>	0.000 - 5.000	
	ReCO2 CO2 regulator affection setting.		
<b>346</b>	<b>ReCO2 CO2 flow C-factor.</b>	0.000 - 5.000	
	ReCO2 flow regulator affection setting.		
<b>347</b>	<b>ReCO2 heating C-factor.</b>	0.000 - 5.000	
	ReCO2 heating regulator affection setting.		
<b>348</b>	<b>ReCO2 cooling C-factor.</b>	0.000 - 5.000	
	ReCO2 cooling regulator affection setting.		
<b>349</b>	<b>AYC function.</b>	0 - 3	
	Setting of AYC function. 0=Inactive. 1=Cool. 2=Heat. 3=Cool+heat.		
<b>350</b>	<b>AYC heat temp set.</b>	10.00-80.00°C	
	Setting of AYC heated water temperature setpoint.		
<b>351</b>	<b>AYC night comp. channel.</b>	1 - 2	
	Setting of AYC night compensation channel. 1=Channel 1. 2=Channel 2.		
<b>352</b>	<b>AYC channel start hour.</b>	0-23h	
	Setting of AYC channel start time (hour).		
<b>353</b>	<b>AYC channel start minute.</b>	0-59min	
	Setting of AYC channel start time (minute).		
<b>354</b>	<b>AYC channel stop hour.</b>	0-23h	
	Setting of AYC channel stop time (hour).		
<b>355</b>	<b>AYC channel stop minute.</b>	0-59min	
	Setting of AYC channel stop time (minute).		
<b>356</b>	<b>AYC channel period.</b>	0-10	
	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		
<b>357</b>	<b>AYC heat P-band.</b>	1.00 - 40.00	
	AYC heat regulator P-band setting.		
<b>358</b>	<b>AYC heat C-factor.</b>	0.000 - 2.500	

**Analog Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
	AYC heat regulator affection setting.		
<b>359</b>	<b>AYC cool P-band.</b>	1.00 - 40.00	
	AYC cool regulator P-band setting.		
<b>360</b>	<b>AYC cool C-factor.</b>	0.000 - 2.500	
	AYC cool regulator affection setting.		
<b>361</b>	<b>AYC heat out comp. X1.</b>	-40.00-40.00°C	
	AYC outdoor compensation of heated water, outdoor temp X1 setting.		
<b>362</b>	<b>AYC heat out comp. Y1.</b>	10.00-80.00°C	
	AYC outdoor compensation of heated water, heated water temp Y1 setting.		
<b>363</b>	<b>AYC heat out comp. X2.</b>	-40.00-40.00°C	
	AYC outdoor compensation of heated water, outdoor temp X2 setting.		
<b>364</b>	<b>AYC heat out comp. Y2.</b>	10.00-80.00°C	
	AYC outdoor compensation of heated water, heated water temp Y2 setting.		
<b>365</b>	<b>AYC heat out comp. X3.</b>	-40.00-40.00°C	
	AYC outdoor compensation of heated water, outdoor temp X3 setting.		
<b>366</b>	<b>AYC heat out comp. Y3.</b>	10.00-80.00°C	
	AYC outdoor compensation of heated water, heated water temp Y3 setting.		
<b>367</b>	<b>AYC heat room comp. temp limit.</b>	0.00-40.00°C	
	AYC room compensation of heated water, heated water temp limit setting.		
<b>368</b>	<b>AYC heat room comp P-band.</b>	1.00-10.00°C	
	AYC room compensation of heated water, heated water P-band setting.		
<b>369</b>	<b>AYC heat night comp temp.</b>	-10.00-10.00°C	
	AYC night compensation of heated water, heated water night setting.		
<b>370</b>	<b>AYC heat pump on temp.</b>	-40.00-40.00°C	
	AYC pump operation of heated water, outdoor temp start setting.		
<b>371</b>	<b>AYC heat pump off temp.</b>	-40.00-40.00°C	
	AYC pump operation of heated water, outdoor temp stop setting.		
<b>372</b>	<b>AYC heat pump alarm.</b>	0 - 3	
	Setting for selecting the AYC heated water pump alarm function. 0=Inactive. 1=Open. 2=Closed. 3=Contactor.		
<b>373</b>	<b>AYC heat per op function.</b>	0 - 3	
	Setting for selecting the AYC heated water periodic operation function. 0=Inactive. 1=Pump. 2=Pump+valve. 3=Valve.		
<b>374</b>	<b>AYC heat per op time.</b>	0-60min	

**Analog Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
	AYC periodic operation of heated water, time (minute) setting.		
<b>375</b>	<b>AYC heat per op interval.</b>	0-168h	
	AYC periodic operation of heated water, interval time (hour) setting.		
<b>376</b>	<b>AYC cool out comp. X1.</b>	-40.00-40.00°C	
	AYC outdoor compensation of chilled water, outdoor temp X1 setting.		
<b>377</b>	<b>AYC cool out comp. Y1.</b>	10.00-80.00°C	
	AYC outdoor compensation of chilled water, chilled water temp Y1 setting.		
<b>378</b>	<b>AYC cool out comp. X2.</b>	-40.00-40.00°C	
	AYC outdoor compensation of chilled water, outdoor temp X2 setting.		
<b>379</b>	<b>AYC cool out comp. Y2.</b>	10.00-80.00°C	
	AYC outdoor compensation of chilled water, chilled water temp Y2 setting.		
<b>380</b>	<b>AYC cool out comp. X3.</b>	-40.00-40.00°C	
	AYC outdoor compensation of chilled water, outdoor temp X3 setting.		
<b>381</b>	<b>AYC cool out comp. Y3.</b>	10.00-80.00°C	
	AYC outdoor compensation of chilled water, chilled water temp Y3 setting.		
<b>382</b>	<b>AYC cool room comp. temp limit.</b>	0.00-40.00°C	
	AYC room compensation of chilled water, chilled water temp limit setting.		
<b>383</b>	<b>AYC cool room comp. P-band.</b>	1.00-10.00°C	
	AYC room compensation of chilled water, chilled water P-band setting.		
<b>384</b>	<b>AYC cool night comp temp.</b>	-10.00-10.00°C	
	AYC night compensation of chilled water, chilled water night setting.		
<b>385</b>	<b>AYC cool pump on temp.</b>	-40.00-40.00°C	
	AYC pump operation of chilled water, outdoor temp start setting.		
<b>386</b>	<b>AYC cool pump off temp.</b>	-40.00-40.00°C	
	AYC pump operation of chilled water, outdoor temp stop setting.		
<b>387</b>	<b>AYC cool pump alarm.</b>	0 - 3	
	Setting for selecting the AYC chilled water pump alarm function. 0=Inactive. 1=Open. 2=Closed. 3=Contactor.		
<b>388</b>	<b>AYC cool per op function.</b>	0 - 3	
	Setting for selecting the AYC chilled water periodic operation function. 0=Inactive. 1=Pump. 2=Pump+valve. 3=Valve.		
<b>389</b>	<b>AYC cool per op time.</b>	0-60min	



**Analog Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
	AYC periodic operation of chilled water, time (minute) setting.		
<b>390</b>	<b>AYC cool per op interval.</b>	0-168h	
	AYC periodic operation of chilled water, interval time (hour) setting.		
<b>391</b>	<b>IO-mod 3 output 1 function.</b>	0 - 10	
	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.		
<b>392</b>	<b>IO-mod 3 output 2 function.</b>	0 - 10	
	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.		
<b>393</b>	<b>Humid reg. func.</b>	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)		
<b>394</b>	<b>Humid reg. Start.</b>	10.00-90.00%	PV 5.10
	Humidifying start limit setting.		
<b>395</b>	<b>Humid reg. Stop.</b>	15.00-95.00%	PV 5.10
	Humidifying stop limit setting.		
<b>396</b>	<b>Min/Max/Average SensNumber</b>	1 - 4	PV 5.15
	Setting for selecting numbers of sensors to the Min/Max/Average function.		
<b>397</b>	<b>Min/Max/Average SensFunction</b>	0 - 2	PV 5.15
	Setting for selecting sensor function. 0=Min. 1=Max. 2=Average.		
<b>398</b>	<b>Miru 1 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 1 airflow setpoint for the unit when running in low speed operation.		
<b>399</b>	<b>Miru 1 High speed airflow setpoint</b>	0-10000l/s	PV 6.04

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Miru 1 airflow setpoint for the unit when running in high speed operation.		
<b>400</b>	<b>Miru 1 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 1 air duct pressure setpoint for the unit when running in low speed operation.		
<b>401</b>	<b>Miru 1 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 1 air duct pressure setpoint for the unit when running in high speed operation.		
<b>402</b>	<b>Miru 2 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 2 airflow setpoint for the unit when running in low speed operation.		
<b>403</b>	<b>Miru 2 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 2 airflow setpoint for the unit when running in high speed operation.		
<b>404</b>	<b>Miru 2 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 2 air duct pressure setpoint for the unit when running in low speed operation.		
<b>405</b>	<b>Miru 2 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 2 air duct pressure setpoint for the unit when running in high speed operation.		
<b>406</b>	<b>Miru 3 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 3 airflow setpoint for the unit when running in low speed operation.		
<b>407</b>	<b>Miru 3 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 3 airflow setpoint for the unit when running in high speed operation.		
<b>408</b>	<b>Miru 3 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 3 air duct pressure setpoint for the unit when running in low speed operation.		
<b>409</b>	<b>Miru 3 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 3 air duct pressure setpoint for the unit when running in high speed operation.		
<b>410</b>	<b>Miru 4 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 4 airflow setpoint for the unit when running in low speed operation.		
<b>411</b>	<b>Miru 4 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 4 airflow setpoint for the unit when running in high speed operation.		
<b>412</b>	<b>Miru 4 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 4 air duct pressure setpoint for the unit when running in low speed operation.		
<b>413</b>	<b>Miru 4 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 4 air duct pressure setpoint for the unit when running in high speed operation.		
<b>414</b>	<b>Miru 5 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 5 airflow setpoint for the unit when running in low speed operation.		
<b>415</b>	<b>Miru 5 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 5 airflow setpoint for the unit when running in high speed operation.		
<b>416</b>	<b>Miru 5 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 5 air duct pressure setpoint for the unit when running in low speed operation.		
<b>417</b>	<b>Miru 5 High speed pressure setpoint</b>	0-750Pa	PV 6.04

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Miru 5 air duct pressure setpoint for the unit when running in high speed operation.		
<b>418</b>	<b>Miru 6 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 6 airflow setpoint for the unit when running in low speed operation.		
<b>419</b>	<b>Miru 6 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 6 airflow setpoint for the unit when running in high speed operation.		
<b>420</b>	<b>Miru 6 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 6 air duct pressure setpoint for the unit when running in low speed operation.		
<b>421</b>	<b>Miru 6 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 6 air duct pressure setpoint for the unit when running in high speed operation.		
<b>422</b>	<b>Miru 7 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 7 airflow setpoint for the unit when running in low speed operation.		
<b>423</b>	<b>Miru 7 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 7 airflow setpoint for the unit when running in high speed operation.		
<b>424</b>	<b>Miru 7 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 7 air duct pressure setpoint for the unit when running in low speed operation.		
<b>425</b>	<b>Miru 7 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 7 air duct pressure setpoint for the unit when running in high speed operation.		
<b>426</b>	<b>Miru 8 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 8 airflow setpoint for the unit when running in low speed operation.		
<b>427</b>	<b>Miru 8 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 8 airflow setpoint for the unit when running in high speed operation.		
<b>428</b>	<b>Miru 8 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 8 air duct pressure setpoint for the unit when running in low speed operation.		
<b>429</b>	<b>Miru 8 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 8 air duct pressure setpoint for the unit when running in high speed operation.		
<b>430</b>	<b>Miru 9 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 9 airflow setpoint for the unit when running in low speed operation.		
<b>431</b>	<b>Miru 9 High speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 9 airflow setpoint for the unit when running in high speed operation.		
<b>432</b>	<b>Miru 9 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 9 air duct pressure setpoint for the unit when running in low speed operation.		
<b>433</b>	<b>Miru 9 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 9 air duct pressure setpoint for the unit when running in high speed operation.		
<b>434</b>	<b>Miru 10 Low speed airflow setpoint</b>	0-10000l/s	PV 6.04
	Miru 10 airflow setpoint for the unit when running in low speed operation.		
<b>435</b>	<b>Miru 10 High speed airflow setpoint</b>	0-10000l/s	PV 6.04

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Miru 10 airflow setpoint for the unit when running in high speed operation.		
<b>436</b>	<b>Miru 10 Low speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 10 air duct pressure setpoint for the unit when running in low speed operation.		
<b>437</b>	<b>Miru 10 High speed pressure setpoint</b>	0-750Pa	PV 6.04
	Miru 10 air duct pressure setpoint for the unit when running in high speed operation.		
<b>438</b>	<b>BB Cool temp setpoint</b>	-20.0-80.0°C	PV 6.05
	Blue Box cooling temperature setpoint.		
<b>439</b>	<b>BB Heat temp setpoint</b>	10.0-80.0°C	PV 6.05
	Blue Box heating temperature setpoint.		
<b>440</b>	<b>BB Unit type</b>	0-3	PV 6.05
	Blue Box unit type. 0=None 1=Heat pump 2=Chiller 3=Reversible		
<b>441</b>	<b>BB Optimize upper valve limit</b>	70.00-100.00%	PV 6.05
	Blue Box optimize function upper valve limit.		
<b>442</b>	<b>BB Optimize lower valve limit</b>	5.00-90.00%	PV 6.05
	Blue Box optimize function lower valve limit.		
<b>443</b>	<b>BB Optimize delay</b>	30-32000s	PV 6.05
	Blue Box optimize function delay time.		
<b>444</b>	<b>BB Cool optimize up</b>	0.1-6.0°C	PV 6.05
	Blue Box cooling optimize function up.		
<b>445</b>	<b>BB Cool optimize down</b>	0.1-6.0°C	PV 6.05
	Blue Box cooling optimize function down.		
<b>446</b>	<b>BB Heat optimize up</b>	0.1-6.0°C	PV 6.05
	Blue Box heating optimize function up.		
<b>447</b>	<b>BB Heat optimize down</b>	0.1-6.0°C	PV 6.05
	Blue Box heating optimize function down.		
<b>448</b>	<b>BB Cool optimize diff temperature</b>	1.0-10.0°C	PV 6.05
	Blue Box cooling optimize function differential temperature.		
<b>449</b>	<b>BB Heat optimize diff temperature</b>	1.0-10.0°C	PV 6.05
	Blue Box heating optimize function differential temperature.		
<b>450</b>	<b>BB AQUA Link function</b>	0-3	PV 6.05
	Blue Box AQUA Link function. 0=Inactive 1=Heat 2=Cool 3=Heat + Cool		
<b>451</b>	<b>BB AQUA Link cool pump alarm function</b>	0-3	PV 6.05
	Blue Box AQUA Link cool pump alarm function. 0=Inactive 1=Open 2=Close 3=Contactor		
<b>452</b>	<b>BB AQUA Link heat pump alarm function</b>	0-3	PV 6.05
	Blue Box AQUA Link heat pump alarm function. 0=Inactive 1=Open 2=Close 3=Contactor		

## Analog Value (R/W).

Object Instance	Object Name	Min/Max	Misc
<b>453</b>	<b>Extended ext. reg. seq. reheat function</b>	0-4	PV 6.07
	Extended extra regulation sequence reheat function. 0=Inactive 1=El. P/P 2=El. 0-10V 3=Water FP 4=Water		
<b>454</b>	<b>Season heat mode setpoint</b>	0-2	PV 6.07
	Season heat mode type setpoint. 0=Digital Input NO 1=Digital Input NC 2=Manual		
<b>455</b>	<b>Season heat function</b>	0-1	PV 6.07
	Season heating function. 0=Inactive 1=Active		
<b>456</b>	<b>Steam humid extract air setpoint</b>	0-100.00%	PV 6.07
	Steam humidification extract air setpoint.		
<b>457</b>	<b>Steam humid supply air max limit</b>	0-100.00%	PV 6.07
	Steam humidification supply air max limit.		
<b>458</b>	<b>Steam humid extract air P-band</b>	1-60.00%	PV 6.07
	Steam humidification extract air P-band.		
<b>459</b>	<b>Steam humid extract air C-factor</b>	0-3.000	PV 6.07
	Steam humidification extract air C-factor.		
<b>460</b>	<b>Steam humid supply air max P-band</b>	1-60.00%	PV 6.07
	Steam humidification supply air max P-band.		
<b>461</b>	<b>Steam humid supply air max C-factor</b>	0-3.000	PV 6.07
	Steam humidification supply air max C-factor.		
<b>462</b>	<b>End-filter alarm limit</b>	10-1000Pa	PV 6.07
	Supply air end-filter pressure alarm limit setting.		
<b>463</b>	<b>End-filter select</b>	0-1	PV 6.07
	Supply air end-filter function. 0=Inactive. 1=Active		
<b>464</b>	<b>End-filter calibration</b>	0-1	PV 6.07
	Supply air end-filter calibration. 0=Inactive 1=Active		

**Binary Inputs (RO).**

Object Instance	Object Name	Min/Max	Misc
0	<b>Heat output</b> Status for relay output.	0-1	
1	<b>Cool output 1</b> Status for relay output.	0-1	
2	<b>Cool output 2</b> Status for relay output.	0-1	
3	<b>Low speed output</b> Status for relay output.	0-1	
4	<b>High speed output</b> Status for relay output.	0-1	
5	<b>A-alarm.</b> Status for relay output.	0-1	
6	<b>B-alarm.</b> Status for relay output.	0-1	
7	<b>Operation output</b> Status for relay output.	0-1	
8	<b>Damper output</b> Status for relay output.	0-1	
9	<b>External low speed input</b> Status for digital input.	0-1	
10	<b>External high speed input</b> Status for digital input.	0-1	
11	<b>External alarm 1 input</b> Status for digital input.	0-1	
12	<b>External alarm 2 input</b> Status for digital input.	0-1	
13	<b>External fire alarm input.</b> Status for digital input.	0-1	
14	<b>External stop input</b> Status for digital input.	0-1	
15	<b>DIP Switch 1</b> Status for dip switch setting.	0-1	
16	<b>DIP Switch 2</b> Status for dip switch setting.	0-1	
17	<b>DIP Switch 3</b> Status for dip switch setting.	0-1	
18	<b>DIP Switch 4</b> Status for dip switch setting.	0-1	
19	<b>DIP Switch 5</b> Status for dip switch setting.	0-1	
20	<b>DIP Switch 6</b> Status for dip switch setting.	0-1	
21	<b>AYC heat pump output</b> Status for AYC heat pump output.	0-1	
22	<b>AYC cool pump output</b> Status for AYC cool pump output.	0-1	
23	<b>C.HX. pump output</b> Status for coil heat exchanger pump output.	0-1	
24	<b>R.HX rotation monitor</b> Status from the rotation detector.	0-1	
25	<b>Xzone heat output</b> Status for relay output.	0-1	
26	<b>Xzone cool output 1</b> Status for relay output.	0-1	

**Binary Inputs (RO).**

Object Instance	Object Name	Min/Max	Misc
27	<b>Xzone cool output 2</b> Status for relay output.	0-1	
28	<b>Pre-heat output</b> Status for relay output.	0-1	
29	<b>IO-mod 3 output 1</b> Status for I/O-module no. 3 relay 1 output.	0-1	
30	<b>IO-mod 3 output 2</b> Status for I/O-module no. 3 relay 2 output.	0-1	
31	<b>IO-mod 4 output 1</b> Status for I/O-module no. 4 relay 1 output.	0-1	PV 5.10
32	<b>Miru 1 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
33	<b>Miru 2 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
34	<b>Miru 3 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
35	<b>Miru 4 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
36	<b>Miru 5 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
37	<b>Miru 6 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
38	<b>Miru 7 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
39	<b>Miru 8 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
40	<b>Miru 9 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
41	<b>Miru 10 Alarm</b> Status of group alarm from Miru fan.	0-1	PV 6.04
42	<b>Extended ext. reg. seq. Pump</b> Status of extended extra regulation sequence pump output.	0-1	PV 6.07
43	<b>Season heating mode</b> Status of season heating mode.	0-1	PV 6.07
44	<b>Reserve BI24</b>		
45	<b>Reserve BI25</b>		
46	<b>Reserve BI26</b>		
47	<b>Reserve BI27</b>		
48	<b>Alarm number 1</b> Status if alarm number 1 is active.	0-1	
49	<b>Alarm number 2</b> Status if alarm number 2 is active.	0-1	
50	<b>Alarm number 3</b> Status if alarm number 3 is active.	0-1	
247	<b>Alarm number 200</b> Status if alarm number 200 is active.	0-1	
248	<b>Info number 1</b>	0-1	

Binary Inputs (RO).

Object Instance	Object Name	Min/Max	Misc
	Status if info number 1 is active.		
<b>249</b>	<b>Info number 2</b>	0-1	
	Status if info number 2 is active.		
<b>250</b>	<b>Info number 3</b>	0-1	
	Status if info number 3 is active.		
<b>347</b>	<b>Info number 100</b>	0-1	
	Status if info number 100 is active.		



## Binary Value (R/W).

Object Instance	Object Name	Min/Max	Misc
0	<b>Alarm reset</b> Resets tripped alarms.	0-1	
1	<b>SA Boosting func.</b> Setting for activating the boost function for the supply air fan.	0-1	
2	<b>EA Boosting func.</b> Setting for activating the boost function for the extract air fan.	0-1	
3	<b>R.HX. Defrost func.</b> Setting for activating the defrost function for the rotary heat exchanger.	0-1	
4	<b>SA Down regulation func.</b> Setting for activating the down regulation function for the supply air fan. (Moved to AV 206 in PV 3.00)	0-1	
5	<b>Reserve BV1</b>		
6	<b>Reserve BV2</b>		
7	<b>Cool operation mode</b> Setting for cooling between off and auto operation.	0-1	
8	<b>Int. Night heat func.</b> Setting for activating the intermittent night heat function.	0-1	
9	<b>Damper func.</b> Setting for activating the damper output relay during int. night heat.	0-1	
10	<b>Summer night cooling</b> Setting for activating the summer night cool function.	0-1	
11	<b>Temp displacement</b> Setting for activating the external temperature displacement function.	0-1	
12	<b>Outdoor temp compensation</b> Setting for activating the outdoor temperature compensation function.	0-1	
13	<b>Outdoor airflow compensation</b> Setting for activating the outdoor airflow compensation function.	0-1	
14	<b>Auto. Summer/winter switch</b> Setting for activating the automatic switch between summer/winter time function.	0-1	
15	<b>Switch clock func.</b> Setting for switch clock function type. 0=Stop - low speed - high speed. 1=Low speed - high speed.	0-1	
16	<b>Internal fire alarm func.</b> Setting for activating the internal fire alarm function.	0-1	
17	<b>EA at fire</b> Setting for activating the extract air fan operation at fire function. (Moved to 4x0206 in PV 3.00)	0-1	
18	<b>External alarm 1 active at closure</b> Setting for external alarm number 1 condition to be activated. 0=Alarm at closed input. 1=Alarm at open input.	0-1	
19	<b>External alarm 2 active at closure</b>	0-1	

## Binary Value (R/W).

Object Instance	Object Name	Min/Max	Misc
	Setting for external alarm number 2 condition to be activated. 0=Alarm at closed input. 1=Alarm at open input.		
<b>20</b>	<b>Reserve BV3</b>		
<b>21</b>	<b>Dewpoint reg. func.</b>	0-1	
	Setting for activating the dewpoint regulator function.		
<b>22</b>	<b>Dehumid reg. func.</b>	0-1	
	Setting for activating the dehumid regulator function.		
<b>23</b>	<b>External fire alarm func.</b>	0-1	
	Setting for external fire resetting function. 0=Manual. 1=Automatic.		
<b>24</b>	<b>External alarm 1 func.</b>	0-1	
	Setting for external alarm 1 resetting function. 0=Manual. 1=Automatic.		
<b>25</b>	<b>External alarm 2 func.</b>	0-1	
	Setting for external alarm 2 resetting function. 0=Manual. 1=Automatic.		
<b>26</b>	<b>Temperature alarm func.</b>	0-1	
	Setting for activating temperature below setpoint alarm function (no.80).		
<b>27</b>	<b>Int. Night heat output func.</b>	0-1	
	Setting for selecting the intermittent night heat output function. 0=IQnomic 1=IQnomic+		
<b>28</b>	<b>AYC heat out comp. func.</b>	0-1	
	Setting for selecting the AYC outdoor comp. heated water function. 0=Inactive 1=Active		
<b>29</b>	<b>AYC heat room comp. func.</b>	0-1	
	Setting for selecting the AYC room comp. heated water function. 0=Inactive 1=Active		
<b>30</b>	<b>AYC heat room comp. night block func.</b>	0-1	
	Setting for selecting the AYC room comp. heated water night block function. 0=Inactive 1=Active		
<b>31</b>	<b>AYC heat night comp. func.</b>	0-1	
	Setting for selecting the AYC night comp. heated water function. 0=Inactive 1=Active		
<b>32</b>	<b>AYC heat valve signal func.</b>	0-1	

**Binary Value (R/W).**

Object Instance	Object Name	Min/Max	Misc
	Setting for selecting the AYC valve signal heated water alarm function. 0=Inactive 1=Active		
<b>33</b>	<b>AYC cool out comp. func.</b>	0-1	
	Setting for selecting the AYC outdoor comp. chilled water function. 0=Inactive 1=Active		
<b>34</b>	<b>AYC cool room comp. func.</b>	0-1	
	Setting for selecting the AYC room comp. chilled water function. 0=Inactive 1=Active		
<b>35</b>	<b>AYC cool room comp. night block func.</b>	0-1	
	Setting for selecting the AYC room comp. chilled water night block function. 0=Inactive 1=Active		
<b>36</b>	<b>AYC cool night comp. func.</b>	0-1	
	Setting for selecting the AYC night comp. chilled water function. 0=Inactive 1=Active		
<b>37</b>	<b>AYC cool valve signal func.</b>	0-1	
	Setting for selecting the AYC valve signal chilled water alarm function. 0=Inactive 1=Active		
<b>38</b>	<b>BB func.</b>	0-1	PV 6.05
	Setting for selecting the Blue Box function. 0=Inactive 1=Active		
<b>39</b>	<b>BB optimize temp. func.</b>	0-1	PV 6.05
	Setting for selecting the Blue Box optimize temperature function. 0=Inactive 1=Active		

**Notification Class.**

Object Instance	Object Name	Min/Max	Misc
<b>0</b>	<b>NC 00 A-Alarm</b>		PV 5.15
	Notification class for A-Alarm.		
<b>1</b>	<b>NC 00 B-Alarm</b>		PV 5.15
	Notification class for B-Alarm.		