NIBE AirSite

Modbus TCP Register List

BlueManager with GreenMaster-HP support

Valid for firmware version 1.0.0.3 or later

Overview

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

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

Modbus ID

The default Modbus ID for BoxManager is **60**.

Modbus TCP Port

The default Modbus TCP Port for BlueManager is **502**.

Modbus Addressing

1-based: Modbus registers and bit numbers are assumed to start the numbering from 1.

Modbus data types

1-bit values or 16-bit values

Modbus Type	Description	Reference
Coil Status	Discrete Output (R/W)	0x
Input Status	Discrete Input (RO)	1x
Input Register	16-bit Register (RO)	3x
Holding Register	16-bit Register (R/W)	4x

Supported Modbus commands

The BoxManager Control Unit support these Modbus commands:

Function code	Description
01	Read Coil Status
02	Read Input Status
03	Read Holding Registers
04	Read Input Registers
05	Force Single Coil
06	Present Single Registers
08	Diagnostics
15	Force Multiple Colis
16	Preset Multiple Registers

Modbus	Designation	Min/Max	Note
000273	**Activation of Manual Operation for Valve Outputs - AO 1 and 2** 0=Auto, 1=Manual	0-1	
000465	**Automatic alarm reset - HP Sum Alarm for all connected GreenMaster HP units** 1=Automatic alarm reset, 0=Manual alarm reset	0-1	
000466	**Automatic alarm reset - EB10-GP11 HW Circ. Pump failure** 1=Automatic alarm reset, 0=Manual alarm reset	0-1	
000467	**Automatic alarm reset - EB1-GP10 Circ. Pump failure** 1=Automatic alarm reset, 0=Manual alarm reset	0-1	
000469	**Automatic alarm reset - EB10-BT70 HW Supply temp. deviation alarm** 1=Automatic alarm reset, 0=Manual alarm reset	0-1	
000470	**Automatic alarm reset - EB1-BT25 Supply temp. deviation alarm** 1=Automatic alarm reset, 0=Manual alarm reset	0-1	
000471	**Automatic alarm reset - EB1-QN1 Emergency start active** 1=Automatic alarm reset, 0=Manual alarm reset	0-1	
002017	**Activation of Manual Operation for Digital Output - DO 1 (EB10-GP11)**	0-1	
002018	**Activation of Manual Operation for Digital Output - DO 2 (EB1-GP10)** 0=Auto, 1=Manual	0-1	
002019	**Activation of Manual Operation for Digital Output - DO 3 (Reserve)** 0=Auto, 1=Manual	0-1	
002020	**Activation of Manual Operation for Digital Output - DO 4 (Reserve)** 0=Auto, 1=Manual	0-1	
002021	**Activation of Manual Operation for Digital Output - DO 5 (Reserve)** 0=Auto, 1=Manual	0-1	
002022	**Activation of Manual Operation for Digital Output - DO 6 (Reserve)** 0=Auto, 1=Manual	0-1	
002023	**Activation of Manual Operation for Digital Output - DO 7 (Reserve)** 0=Auto, 1=Manual	0-1	
002033	**DO 1 Manual Override (EB10-GP11)** Manual operation for DO 1 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002034	**DO 2 Manual Override (EB1-GP10)** Manual operation for DO 2 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002035	**DO 3 - Manual Override (Reserve)** Manual operation for DO 3 must be activated to be able to write to this parameter (0=OFF, 1=ON)		

Modbus	Designation	Min/Max	Note
002036	**DO 4 Manual Override (Reserve)** Manual operation for DO 4 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002037	**DO 5 Manual Override (Reserve)** Manual operation for DO 5 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002038	**DO 6 Manual Override (Reserve)** Manual operation for DO 6 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002039	**DO 7 Manual Override (Reserve)** Manual operation for DO 7 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
012352	**Activation HP1** 1=Communcation to HP1 active, 0=No connection	0-1	
012416	**Activation HP2** 1=Communcation to HP2 active, 0=No connection	0-1	
012480	**Activation HP3** 1=Communcation to HP3 active, 0=No connection	0-1	
012544	**Activation HP4** 1=Communcation to HP4 active, 0=No connection	0-1	
012608	**Activation HP5** 1=Communcation to HP5 active, 0=No connection	0-1	
012769	**Heat Pump 1 - Alarm Reset**	0-1	
012770	**Heat Pump 2 - Alarm Reset**	0-1	
012771	**Heat Pump 3 - Alarm Reset**	0-1	
012772	**Heat Pump 4 - Alarm Reset**	0-1	
012773	**Heat Pump 5 - Alarm Reset**	0-1	

Modbus	Designation	Min/Max	Note
100129	**Digital Output - DO 1 (EB10-GP11 HW Circ. Pump)**	0-1	
100130	**Digital Output - DO 2 (EB1-GP10 Circ. Pump)**	0-1	
100131	**Digital Output - DO 3 (Reserve)**	0-1	
100132	**Digital Output - DO 4 (Reserve)**	0-1	
100133	**Digital Output - DO 5 (Reserve)**	0-1	
100134	**Digital Output - DO 6 (Reserve)**	0-1	
100135	**Digital Output - DO 7 (Reserve)**	0-1	
100137	**B-alarm relay active** 1=Active (no alarm), 0=Inactive (alarm)	0-1	
100138	**A-alarm relay active** 1=Active (no alarm), 0=Inactive (alarm)	0-1	
100145	**Digital Input Status - DI 1 (EB10-GP11 HW Circ. Pump)**	0-1	
100146	**Digital Input Status - DI 2 (Reserve)**	0-1	
100147	**Digital Input Status - DI 3 (EB1-GP10 Circ. Pump)**	0-1	
100148	**Digital Input Status - DI 4 (Reserve)**	0-1	
100149	**Digital Input Status - DI 5 (Reserve)**	0-1	
100150	**Digital Input Status - DI 6 (Reserve)**	0-1	
100151	**Digital Input Status - DI 7 (Reserve)**	0-1	
100152	**Digital Input Status - DI 8 (Reserve)**	0-1	
100153	**Digital Input Status - DI 9 (Reserve)**	0-1	
100287	**Alarm Status - B-Alarm (Priority B)**	0-1	
100288	**Alarm Status - A-Alarm (Priority A)**	0-1	
100401	**Alarm status - HP Sum Alarm for all connected GreenMaster HP units**	0-1	
100402	**Alarm status - EB10-GP11 HW Circ. Pump failure**	0-1	
100403	**Alarm status - EB1-GP10 Circ. Pump failure**	0-1	
100405	**Alarm status - EB10-BT70 HW Supply temp. deviation alarm**	0-1	
100406	**Alarm status - EB1-BT25 Supply temp. deviation alarm**	0-1	
100407	**Alarm status - EB1-QN1 Emergency start active**	0-1	
113697	**EB1-QN1 Blocked**	0-1	
113698	**EB1-QN1 Emergency start active**	0-1	
113921	**Heat Pump 1 - Status EP14** 1=Compressor running, 0=Compressor off	0-1	
113937	**Heat Pump 1 - Status EP15** 1=Compressor running, 0=Compressor off	0-1	
113953	**Heat Pump 1 - Alarm active** 1=Alarm active, 0=No alarm	0-1	
114433	**Heat Pump 2 - Status EP14** 1=Compressor running, 0=Compressor off	0-1	
114449	**Heat Pump 2 - Status EP15** 1=Compressor running, 0=Compressor off	0-1	
114465	**Heat Pump 2 - Alarm active** 1=Alarm active, 0=No alarm	0-1	
114945	**Heat Pump 3 - Status EP14** 1=Compressor running, 0=Compressor off	0-1	
114961	**Heat Pump 3 - Status EP15** 1=Compressor running, 0=Compressor off	0-1	
114977	**Heat Pump 3 - Alarm active** 1=Alarm active, 0=No alarm	0-1	
115457	**Heat Pump 4 - Status EP14** 1=Compressor running, 0=Compressor off	0-1	

Modbus	Designation	Min/Max	Note
115473	**Heat Pump 4 - Status EP15** 1=Compressor running, 0=Compressor off	0-1	
115489	**Heat Pump 4 - Alarm active** 1=Alarm active, 0=No alarm	0-1	
115969	**Heat Pump 5 - Status EP14** 1=Compressor running, 0=Compressor off	0-1	
115985	**Heat Pump 5 - Status EP15** 1=Compressor running, 0=Compressor off	0-1	
116001	**Heat Pump 5 - Alarm active** 1=Alarm active, 0=No alarm	0-1	

Modbus	Designation	Min/Max	Note
300048	**EB1 - BT1 Average** A 24h average value of BT1 Outdoor Sensor		°C
300049	**EB10-QN1 Current output to the valve actuator**		%
300050	**EB1-QN1 Current output to the valve actuator**		%
300057	**Analogue Input Temperature Value - AI 1 (BT1 Outdoor)**		°C
300058	**Analogue Input Temperature Value - AI 2 (EB10-BT70 HW Supply)**		°C
300059	**Analogue Input Temperature Value - AI 3 (EB10-BT82 HW Return)**		°C
300060	**Analogue Input Temperature Value - AI 4 (EB1-BT25 Supply)**		°C
300061	**Analogue Input Temperature Value - AI 5 (EB1-BT71 Return)**		°C
300062	**Analogue Input Temperature Value - AI 6 (EB10-BT10 District heating supply)**		°C
300177	**Copy of Holding Parameter 400177 - Year**	2000-2099	
300178	**Copy of Holding Parameter 400178 - Month**	1-12	
300179	**Copy of Holding Parameter 400179 - Date**	0-31	
300180	**Copy of Holding Parameter 400180 - Hour**	0-23	
300181	**Copy of Holding Parameter 400181 - Minute**	0-59	
300182	**Copy of Holding Parameter 400182 - Second**	0-59	
300183	**Copy of Holding Parameter 400183 - Weekday**	1-7	
300184	**Copy of Holding Parameter 400184 - Control Register**	0-3	
300289	**EB10-BT70 HW Current setpoint**		°C
300290	**EB10-BT70 HW Current value**		°C
300297	**EB10-QN1 Output from regulator**		°C
300301	**EB1 - Current P-band Reg. output**		%
300302	**EB1 - Current I-time Reg. output**		%
300305	**EB1-BT25 Current setpoint**		°C
300306	**EB1-BT25 Current value**		°C
300317	**EB1 - Current P-band Reg. output**		%
300318	**EB1 - Current I-time Reg. output**		%
300868	**Heat Pump 1 - BT25 External supply temperature**		°C
300869	**Heat Pump 1 - BT71 External return temperature**		°C
300870	**Heat Pump 1 - Degree Minutes**		
300874	**Heat Pump 1 - Alarm Code**		
300875	**Heat Pump 1 - Hot water load active** 1=Hot water loading from HP1, 0= Hot water not loading from HP1	0-1	
300876	**Heat Pump 1 - BT6 Hot water load temperature**		°C
300877	**Heat Pump 1 - BT7 Hot water top temperature**		°C
300878	**Heat Pump 1 - BT1 Current outdoor temperature**		°C
300879	**Heat Pump 1 - BT20 Extract air temperature**		°C
300880	**Heat Pump 1 - BT21 Exhaust air temperature**		°C
300881	**Heat Pump 1 - BP12 Extract duct pressure**		Pa
300882	**Heat Pump 1 - GQ2 Fan Speed**		%
300883	**Heat Pump 1 - BP14/BF2 Air Flow**		m3/s
300884	**Heat Pump 1 - BP13 Extract Air Filter**		Pa
300885	**Heat Pump 1 - QM41 Status Bypass** 1=Damper Open, 0=Damper Closed		
300886	**Heat Pump 1 - EP14-GP1-VB**		%
300887	**Heat Pump 1 - EP15-GP1-VB**		%
300888	**Heat Pump 1 - EP14-GP2-KB**		%
300889	**Heat Pump 1 - EP15-GP2-KB**		%
300890	**Heat Pump 1 - EP14 Frequency**		Hz
300891	**Heat Pump 2 - BT25 External supply temperature**		°C

Modbus	Designation	Min/Max	Note
300892	**Heat Pump 2 - BT71 External return temperature**		°C
300893	**Heat Pump 2 - Degree Minutes**		
300906	**Heat Pump 2 - Alarm Code**		
300907	**Heat Pump 2 - Hot water load active** 1=Hot water loading from HP2, 0= Hot water not loading from HP2	0-1	
300908	**Heat Pump 2 - BT6 Hot water load temperature**		°C
300909	**Heat Pump 2 - BT7 Hot water top temperature**		°C
300910	**Heat Pump 2 - BT1 Current outdoor temperature**		°C
300911	**Heat Pump 2 - BT20 Extract air temperature**		°C
300912	**Heat Pump 2 - BT21 Exhaust air temperature**		°C
300913	**Heat Pump 2 - BP12 Extract duct pressure**		Pa
300914	**Heat Pump 2 - GQ2 Fan Speed**		%
300915	**Heat Pump 2 - BP14/BF2 Air Flow**		m3/s
300916	**Heat Pump 2 - BP13 Extract Air Filter**		Pa
300917	**Heat Pump 2 - QM41 Status Bypass** 1=Damper Open, 0=Damper Closed		
300918	**Heat Pump 2 - EP14-GP1-VB**		%
300919	**Heat Pump 2 - EP15-GP1-VB**		%
300920	**Heat Pump 2 - EP14-GP2-KB**		%
300921	**Heat Pump 2 - EP15-GP2-KB**		%
300922	**Heat Pump 2 - EP14 Frequency**		Hz
300932	**Heat Pump 3 - BT25 External supply temperature**		°C
300933	**Heat Pump 3 - BT71 External return temperature**		°C
300934	**Heat Pump 3 - Degree Minutes**		
300938	**Heat Pump 3 - Alarm Code**		
300939	**Heat Pump 3 - Hot water load active** 1=Hot water loading from HP3, 0= Hot water not loading from HP3	0-1	
300940	**Heat Pump 3 - BT6 Hot water load temperature**		°C
300941	**Heat Pump 3 - BT7 Hot water top temperature**		°C
300942	**Heat Pump 3 - BT1 Current outdoor temperature**		°C
300943	**Heat Pump 3 - BT20 Extract air temperature**		°C
300944	**Heat Pump 3 - BT21 Exhaust air temperature**		°C
300945	**Heat Pump 3 - BP12 Extract duct pressure**		Pa
300946	**Heat Pump 3 - GQ2 Fan Speed**		%
300947	**Heat Pump 3 - BP14/BF2 Air Flow**		m3/s
300948	**Heat Pump 3 - BP13 Extract Air Filter**		Pa
300949	**Heat Pump 3 - QM41 Status Bypass** 1=Damper Open, 0=Damper Closed		
300950	**Heat Pump 3 - EP14-GP1-VB**		%
300951	**Heat Pump 3 - EP15-GP1-VB**		%
300952	**Heat Pump 3 - EP14-GP2-KB**		%
300953	**Heat Pump 3 - EP15-GP2-KB**		%
300954	**Heat Pump 3 - EP14 Frequency**		Hz
300964	**Heat Pump 4 - BT25 External supply temperature**		°C
300965	**Heat Pump 4 - BT71 External return temperature**		°C
300966	**Heat Pump 4 - Degree Minutes**		
300970	**Heat Pump 4 - Alarm Code**		
300971	**Heat Pump 4 - Hot water load active** 1=Hot water loading from HP1, 0= Hot water not loading from HP1	0-1	
300972	**Heat Pump 4 - BT6 Hot water load temperature**		°C
300973	**Heat Pump 4 - BT7 Hot water top temperature**		°C

Modbus	Designation	Min/Max	Note
300974	**Heat Pump 4 - BT1 Current outdoor temperature**		°C
300975	**Heat Pump 4 - BT20 Extract air temperature**		°C
300976	**Heat Pump 4 - BT21 Exhaust air temperature**		°C
300977	**Heat Pump 4 - BP12 Extract duct pressure**		Pa
300978	**Heat Pump 4 - GQ2 Fan Speed**		%
300979	**Heat Pump 4 - BP14/BF2 Air Flow**		m3/s
300980	**Heat Pump 4 - BP13 Extract Air Filter**		Pa
300981	**Heat Pump 4 - QM41 Status Bypass** 1=Damper Open, 0=Damper Closed		
300982	**Heat Pump 4 - EP14-GP1-VB**		%
300983	**Heat Pump 4 - EP15-GP1-VB**		%
300984	**Heat Pump 4 - EP14-GP2-KB**		%
300985	**Heat Pump 4 - EP15-GP2-KB**		%
300986	**Heat Pump 4 - EP14 Frequency**		Hz
300996	**Heat Pump 5 - BT25 External supply temperature**		°C
300997	**Heat Pump 5 - BT71 External return temperature**		°C
300998	**Heat Pump 5 - Degree Minutes**		
301002	**Heat Pump 5 - Alarm Code**		
301003	**Heat Pump 5 - Hot water load active** 1=Hot water loading from HP1, 0= Hot water not loading from HP1	0-1	
301004	**Heat Pump 5 - BT6 Hot water load temperature**		°C
301005	**Heat Pump 5 - BT7 Hot water top temperature**		°C
301006	**Heat Pump 5 - BT1 Current outdoor temperature**		°C
301007	**Heat Pump 5 - BT20 Extract air temperature**		°C
301008	**Heat Pump 5 - BT21 Exhaust air temperature**		°C
301009	**Heat Pump 5 - BP12 Extract duct pressure**		Pa
301010	**Heat Pump 5 - GQ2 Fan Speed**		%
301011	**Heat Pump 5 - BP14/BF2 Air Flow**		m3/s
301012	**Heat Pump 5 - BP13 Extract Air Filter**		Pa
301013	**Heat Pump 5 - QM41 Status Bypass** 1=Damper Open, 0=Damper Closed		
301014	**Heat Pump 5 - EP14-GP1-VB**		%
301015	**Heat Pump 5 - EP15-GP1-VB**		%
301016	**Heat Pump 5 - EP14-GP2-KB**		%
301017	**Heat Pump 5 - EP15-GP2-KB**		%
301018	**Heat Pump 5 - EP14 Frequency**		Hz
301153. 16H	**Air Handling Unit Identity** String containing 16 letters	ABCDEFGH…	String

Modbus	Designation	Min/Max	Note
400032	**Alarm Reset** Write 1 to this parameter to reset all alarms in BlueManager	0-1	
400049	**EB10-QN1 - Actuator Output Value** Manual operation (parameter 000273) must be activated to be able to write to this parameter	0-4096	4096 = 100%
400050	**EB1-QN1 - Actuator Output Value** Manual operation (parameter 000273) must be activated to be able to write to this parameter	0-4096	4096 = 100%
400177	**Year** Setting for the internal clock	2000-2099	
400178	**Month** Setting for the internal clock	1-12	
400179	**Date** Setting for the internal clock	0-31	
400180	**Hour** Setting for the internal clock	0-23	
400181	**Minute** Setting for the internal clock	0-59	
400182	**Second** Setting for the internal clock	0-59	
400183	**Weekday** Setting for the internal clock (1 = Monday, 7 = Sunday)	1-7	
400184	**Control Register** Write 1 to this register to stop the clock. Then you will be able to change the clock registers above. Write 3 to this register to start the clock again	0-3	
433059	**EB10 - HW Regulator P-band**		°C
433061	**EB10 - HW Regulator I-time**		°C
433075	**EB1 - Regulator P-band**		°C
433077	**EB1 - Regulator I-time**		min
433329	**EB10-BT70 HW Setpoint**		°C
433330	**EB10-BT70 HW Deviation Alarm Setting**		°C
433345	**EB1-BT25 Deviation Alarm Setting**		°C
433346	**EB1-BT25 Max. Setpoint limitation**		°C
433347	**EB1-BT25 Min. setpoint limitation**		°C
433409	**EB1-BT25 Setpoint Curve - Setpoint Value 1**		°C
433410	**EB1-BT25 Setpoint Curve - Setpoint Value 2**		°C
433411	**EB1-BT25 Setpoint Curve - Setpoint Value 3**		°C
433412	**EB1-BT25 Setpoint Curve - Setpoint Value 4**		°C
433413	**EB1-BT25 Setpoint Curve - Setpoint Value 5**		°C
433414	**EB1-BT25 Setpoint Curve - Setpoint Value 6**		°C
433415	**EB1-BT25 Setpoint Curve - Setpoint Value 7**		°C
433416	**EB1-BT25 Setpoint Curve - Setpoint Value 8**		°C
433417	**EB1-BT25 Setpoint Curve - Setpoint Value 9**		°C
433425	**EB1-BT25 Setpoint Curve - BT1 Temp 1**		°C
433426	**EB1-BT25 Setpoint Curve - BT1 Temp 2**		°C
433427	**EB1-BT25 Setpoint Curve - BT1 Temp 3**		°C
433428	**EB1-BT25 Setpoint Curve - BT1 Temp 4**		°C
433429	**EB1-BT25 Setpoint Curve - BT1 Temp 5**		°C
433430	**EB1-BT25 Setpoint Curve - BT1 Temp 6**		°C

Modbus	Designation	Min/Max	Note
433431	**EB1-BT25 Setpoint Curve - BT1 Temp 7**		°C
433432	**EB1-BT25 Setpoint Curve - BT1 Temp 8**		°C
433433	**EB1-BT25 Setpoint Curve - BT1 Temp 9**		°C
433557	**EB1 - HP1-BT25 Setpoint Min. supply offset** The min. setpoint communicated to Heat Pump 1 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433558	**EB1 - HP1-BT25 Setpoint Max. supply offset** The max. setpoint communicated to Heat Pump 1 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433559	**EB1 - HP2-BT25 Setpoint Min. supply offset** The min. setpoint communicated to Heat Pump 2 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433560	**EB1 - HP2-BT25 Setpoint Max. supply offset** The max. setpoint communicated to Heat Pump 2 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433561	**EB1 - HP3-BT25 Setpoint Min. supply offset** The min. setpoint communicated to Heat Pump 3 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433562	**EB1 - HP3-BT25 Setpoint Max. supply offset** The max. setpoint communicated to Heat Pump 3 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433563	**EB1 - HP4-BT25 Setpoint Min. supply offset** The min. setpoint communicated to Heat Pump 4 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433564	**EB1 - HP4-BT25 Setpoint Max. supply offset** The max. setpoint communicated to Heat Pump 4 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433565	**EB1 - HP5-BT25 Setpoint Min. supply offset** The min. setpoint communicated to Heat Pump 5 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433566	**EB1 - HP5-BT25 Setpoint Max. supply offset** The max. setpoint communicated to Heat Pump 5 is converted via the formula "EB1-BT25 Current setpoint (333073) + (this value)"		°C
433617	**EB1 - Degree minute activation step 1 Limit** If the "Degree Minutes" value for all activated GreenMaster Heat Pumps goes below this value, EB1-QN1 is allowed to regulate, with a Max. output set in parameter 433618 (below)		DM
433618	**EB1 - Degree minute activation step 1 Max. output** Max. output for EB1-QN1 when Degree minute activation step 1 is active		%

Modbus	Designation	Min/Max	Note
433619	**EB1 - Degree minute activation step 2 Limit** If the "Degree Minutes" value for all activated GreenMaster Heat Pumps goes below this value, EB1-QN1 is allowed to regulate, with a Max. output set in parameter 433620 (below)		DM
433620	**EB1 - Degree minute activation step 2 Max. output** Max. output for EB1-QN1 when Degree minute activation step 2 is active		%
433621	**EB1 - HP Alarm activation step 1 Max. output** If one of the activated GreenMaster Heat Pumps has an active alarm, EB1-QN1 is allowed to regulate with a Max. output set in this parameter		%
433622	**EB1 - HP Alarm activation step 2 Max. output** If two or more of the activated GreenMaster Heat Pumps has an active alarm, EB1-QN1 is allowed to regulate with a Max. output set in this parameter		%
433623	**EB1-QN1 Emergency start temperature limit** If the temperature at EB1-BT25 is < (this value) below the setpoint, EB1-QN1 is allowed to regulate during set time in parameter 433624 (below)		°C
433624	**EB1-QN1 Emergency start time limit**		min
433921. 16H	**Air Handling Unit Identity** String containing 16 letters	ABCDEFGH…	String