

## Modbus TCP Register List

### GreenManager for GreenMaster C-F

*Valid for firmware version 2966 or later*

#### Overview

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

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

#### Modbus 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 GreenManager 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	<b>Activation of Manual Operation for Output - F.GQ1 (EA Fan)</b> 0=Auto, 1=Manual	0-1	
000274	<b>Activation of Manual Operation for Output - AO 2 (Reserve)</b> 0=Auto, 1=Manual	0-1	
000275	<b>Activation of Manual Operation for Output - AO 3 (Reserve)</b> 0=Auto, 1=Manual	0-1	
000276	<b>Activation of Manual Operation for Output - AO 4 (Reserve)</b> 0=Auto, 1=Manual	0-1	
000277	<b>Activation of Manual Operation for Output - AO 5 (Reserve)</b> 0=Auto, 1=Manual	0-1	
000433	<b>Alarm Reset - Fire</b> Write 1 to this bit to reset Fire Alarm	0-1	
000435	<b>Reserve</b>		
000436	<b>Alarm Reset - Tripped Fuse</b> Write 1 to this bit to reset Fuse Alarm	0-1	
000439	<b>Alarm Reset - F.BP1/F.BF1 (EA) Regulator Deviation Alarm</b> Write 1 to this bit to reset EA Regulator Deviation Alarm	0-1	
000441	<b>Alarm Reset - F.GQ1 (EA) Fan Alarm</b> Write 1 to this bit to reset EA Fan Alarm	0-1	
000445	<b>Alarm Reset - F.BP2 (EA) Filter Alarm</b> Write 1 to this bit to reset EA Filter Alarm	0-1	
000446	<b>Alarm Reset - Smoke Detector Service Alarm</b> Write 1 to this bit to reset Smoke Detector Service Alarm	0-1	
002017	<b>Activation of Manual Operation for Digital Output - DO 1 (Reserve)</b> 0=Auto, 1=Manual	0-1	
002018	<b>Activation of Manual Operation for Digital Output - DO 2 (Reserve)</b> 0=Auto, 1=Manual	0-1	
002019	<b>Activation of Manual Operation for Digital Output - DO 3 Heat pump activation</b> 0=Auto, 1=Manual	0-1	
002020	<b>Activation of Manual Operation for Digital Output - DO 4 (Reserve)</b> 0=Auto, 1=Manual	0-1	
002021	<b>Activation of Manual Operation for Digital Output - DO 5 (Reserve)</b> 0=Auto, 1=Manual	0-1	
002022	<b>Activation of Manual Operation for Digital Output - DO 6 (Reserve)</b> 0=Auto, 1=Manual	0-1	
002023	<b>Activation of Manual Operation for Digital Output - F.QM2 (Damper)</b> 0=Auto, 1=Manual	0-1	
002033	<b>DO 1 Manual Override</b> Manual operation for DO 1 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002034	<b>DO 2 Manual Override</b> Manual operation for DO 2 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	

Modbus	Designation	Min/Max	Note
002035	<b>DO 3 - Activate Heat Pump Manual Override</b> Manual operation for DO 3 must be activated to be able to write to this parameter (0=OFF, 1=ON)		
002036	<b>DO 4 Manual Override</b> Manual operation for DO 4 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002037	<b>DO 5 Manual Override</b> Manual operation for DO 5 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002038	<b>DO 6 Manual Override</b> Manual operation for DO 6 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
002039	<b>DO 7 F.QM2 - Fire Bypass Damper Manual Override</b> Manual operation for F.QM2 must be activated to be able to write to this parameter (0=OFF, 1=ON)	0-1	
006169	<b>Alarm Reset - Smoke Detector in SC2 address 21</b> Write 1 to this bit to reset Smoke Detector Alarm in SC2.21	0-1	
006170	<b>Alarm Reset - Smoke Detector in SC2 address 22</b> Write 1 to this bit to reset Smoke Detector Alarm in SC2.22	0-1	
006171	<b>Alarm Reset - Smoke Detector in SC2 address 23</b> Write 1 to this bit to reset Smoke Detector Alarm in SC2.23	0-1	
006172	<b>Alarm Reset - Smoke Detector in SC2 address 24</b> Write 1 to this bit to reset Smoke Detector Alarm in SC2.24	0-1	

Modbus	Designation	Min/Max	Note
100033	<b>Stop/Start Status</b> 0 = Air Handling Unit Started 1 = Air Handling Unit Stopped	0-1	
100036	<b>Start via Time Channel</b> 0 = Time Channel Stop (Prohibit Run) 1 = Time Channel Run (Permit Run)	0-1	
100129	<b>Digital Output - DO 1 (Reserve)</b>	0-1	
100130	<b>Digital Output - DO 2 (Reserve)</b>	0-1	
100131	<b>Digital Output - DO 3 (F.GQ1 - Run Status/Activate Heat Pump)</b>	0-1	
100132	<b>Digital Output - DO 4 (Reserve)</b>	0-1	
100133	<b>Digital Output - DO 5 (Reserve)</b>	0-1	
100134	<b>Digital Output - DO 6 (Reserve)</b>	0-1	
100135	<b>Digital Output - DO 7 (F.QM2 - Fire Bypass Damper Output)</b>	0-1	
100145	<b>Digital Input Status - DI 1 (Reserve)</b>	0-1	
100146	<b>Digital Input Status - DI 2 (Fire)</b>	0-1	
100147	<b>Digital Input Status - DI 3 (Fuse)</b>	0-1	
100148	<b>Digital Input Status - DI 4 (Reserve)</b>	0-1	
100149	<b>Digital Input Status - DI 5 (Reserve)</b>	0-1	
100150	<b>Digital Input Status - DI 6 (F.GQ1 Fan Alarm)</b>	0-1	
100151	<b>Digital Input Status - DI 7 (F.QM2 Damper Closed)</b>	0-1	
100152	<b>Digital Input Status - DI 8 (F.QM2 Damper Open)</b>	0-1	
100153	<b>Digital Input Status - DI 9 (Reserve)</b>	0-1	
100178	<b>Alarm Status - Fire Alarm via Digital Input (DI2)</b>	0-1	
100242	<b>F.GQ1 (EA) Fan is running</b>	0-1	
100245	<b>Alarm Status - Fire Alarm via Analogue Smoke Detector (AI3)</b>	0-1	
100246	<b>Alarm Status - Fire Alarm via Analogue Smoke Detector (AI4)</b>	0-1	
100247	<b>Alarm Status - Fire Alarm via Analogue Smoke Detector (AI5)</b>	0-1	
100248	<b>Alarm Status - Fire Alarm via Analogue Smoke Detector (AI6)</b>	0-1	
100249	<b>Alarm Status - Analogue Smoke Detector Service Alarm (AI3)</b>	0-1	
100250	<b>Alarm Status - Analogue Smoke Detector Service Alarm (AI4)</b>	0-1	
100251	<b>Alarm Status - Analogue Smoke Detector Service Alarm (AI5)</b>	0-1	
100252	<b>Alarm Status - Analogue Smoke Detector Service Alarm (AI6)</b>	0-1	
100254	<b>Alarm Status - F.QM2 Bypass Damper Exercise Alarm</b>	0-1	
100255	<b>Copy of bit 100135 - DO 7 (F.QM2 - Fire Bypass Damper Out)</b>	0-1	
100256	<b>Alarm Status - Fire Alarm via F.BT1 and/or Digital Input</b>	0-1	
100287	<b>Alarm Status - B-Alarm (Priority B)</b>	0-1	
100288	<b>Alarm Status - A-Alarm (Priority A)</b>	0-1	
100401	<b>Alarm Status - Fire Alarm</b> This bit is set to 1 if the Fire Alarm is active, no matter what source it comes from	0-1	
100403	<b>Reserve</b>		
100404	<b>Alarm Status - Tripped Fuse</b>	0-1	
100407	<b>Alarm Status - F.BP1/F.BF1 (EA) Regulator Deviation Alarm</b>	0-1	
100409	<b>Alarm Status - F.GQ1 (EA) Fan Alarm</b>	0-1	
100413	<b>Alarm Status - F.BP2 (EA) Filter Alarm</b>	0-1	
100414	<b>Alarm Status - Smoke Detector Service Alarm</b>	0-1	
100415	<b>Alarm Status - Sum Alarm for all QM (Dampers)</b>	0-1	
106177	<b>SC2 address 21 - Communication Error</b>	0-1	
106178	<b>SC2 address 21 - Fire Alarm Active in SC2.21</b>	0-1	
106179	<b>SC2 address 21 - Reserve</b>		
106180	<b>SC2 address 21 - Damper 1 Alarm</b>	0-1	

Modbus	Designation	Min/Max	Note
106181	SC2 address 21 - Dampers Exercising	0-1	
106182	SC2 address 21 - Damper 2 Alarm	0-1	
106183	SC2 address 21 - Damper Sum Alarm (1, 2 or both)	0-1	
106184	Reserve		
106185	SC2 address 21 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106186	SC2 address 21 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106187	SC2 address 21 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106188	SC2 address 21 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106189	SC2 address 21 - Smoke Detector Normal Operation	0-1	
106190	SC2 address 21 - Smoke Detector Alarm	0-1	
106191	SC2 address 21 - Smoke Detector Service Alarm	0-1	
106192	SC2 address 21 - Smoke Detector Cable Break	0-1	
106193	SC2 address 22 - Communication Error	0-1	
106194	SC2 address 22 - Fire Alarm Active in SC2.22	0-1	
106195	SC2 address 22 - Reserve		
106196	SC2 address 22 - Damper 1 Alarm	0-1	
106197	SC2 address 22 - Dampers Exercising	0-1	
106198	SC2 address 22 - Damper 2 Alarm	0-1	
106199	SC2 address 22 - Damper Sum Alarm (1, 2 or both)	0-1	
106200	Reserve		
106201	SC2 address 22 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106202	SC2 address 22 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106203	SC2 address 22 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106204	SC2 address 22 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106205	SC2 address 22 - Smoke Detector Normal Operation	0-1	
106206	SC2 address 22 - Smoke Detector Alarm	0-1	
106207	SC2 address 22 - Smoke Detector Service Alarm	0-1	
106208	SC2 address 22 - Smoke Detector Cable Break	0-1	
106209	SC2 address 23 - Communication Error	0-1	
106210	SC2 address 23 - Fire Alarm Active in SC2.23	0-1	
106211	SC2 address 23 - Reserve		
106212	SC2 address 23 - Damper 1 Alarm	0-1	
106213	SC2 address 23 - Dampers Exercising	0-1	
106214	SC2 address 23 - Damper 2 Alarm	0-1	
106215	SC2 address 23 - Damper Sum Alarm (1, 2 or both)	0-1	
106216	Reserve		
106217	SC2 address 23 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106218	SC2 address 23 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106219	SC2 address 23 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106220	SC2 address 23 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106221	SC2 address 23 - Smoke Detector Normal Operation	0-1	
106222	SC2 address 23 - Smoke Detector Alarm	0-1	
106223	SC2 address 23 - Smoke Detector Service Alarm	0-1	
106224	SC2 address 23 - Smoke Detector Cable Break	0-1	
106225	SC2 address 24 - Communication Error	0-1	
106226	SC2 address 24 - Fire Alarm Active in SC2.24	0-1	
106227	SC2 address 24 - Reserve		
106228	SC2 address 24 - Damper 1 Alarm	0-1	
106229	SC2 address 24 - Dampers Exercising	0-1	
106230	SC2 address 24 - Damper 2 Alarm	0-1	
106231	SC2 address 24 - Damper Sum Alarm (1, 2 or both)	0-1	

Modbus	Designation	Min/Max	Note
106232	Reserve		
106233	SC2 address 24 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106234	SC2 address 24 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106235	SC2 address 24 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106236	SC2 address 24 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106237	SC2 address 24 - Smoke Detector Normal Operation	0-1	
106238	SC2 address 24 - Smoke Detector Alarm	0-1	
106239	SC2 address 24 - Smoke Detector Service Alarm	0-1	
106240	SC2 address 24 - Smoke Detector Cable Break	0-1	
106273	SC2 address 25 - Communication Error	0-1	
106274	SC2 address 25 - Fire Alarm Active in SC2.24	0-1	
106275	SC2 address 25 - Reserve		
106276	SC2 address 25 - Damper 1 Alarm	0-1	
106277	SC2 address 25 - Dampers Exercising	0-1	
106278	SC2 address 25 - Damper 2 Alarm	0-1	
106279	SC2 address 25 - Damper Sum Alarm (1, 2 or both)	0-1	
106280	Reserve		
106281	SC2 address 25 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106282	SC2 address 25 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106283	SC2 address 25 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106284	SC2 address 25 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106285	SC2 address 25 - Smoke Detector Normal Operation	0-1	
106286	SC2 address 25 - Smoke Detector Alarm	0-1	
106287	SC2 address 25 - Smoke Detector Service Alarm	0-1	
106288	SC2 address 25 - Smoke Detector Cable Break	0-1	
106289	SC2 address 26 - Communication Error	0-1	
106290	SC2 address 26 - Fire Alarm Active in SC2.24	0-1	
106291	SC2 address 26 - Reserve		
106292	SC2 address 26 - Damper 1 Alarm	0-1	
106293	SC2 address 26 - Dampers Exercising	0-1	
106294	SC2 address 26 - Damper 2 Alarm	0-1	
106295	SC2 address 26 - Damper Sum Alarm (1, 2 or both)	0-1	
106296	Reserve		
106297	SC2 address 26 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106298	SC2 address 26 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106299	SC2 address 26 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106300	SC2 address 26 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106301	SC2 address 26 - Smoke Detector Normal Operation	0-1	
106302	SC2 address 26 - Smoke Detector Alarm	0-1	
106303	SC2 address 26 - Smoke Detector Service Alarm	0-1	
106304	SC2 address 26 - Smoke Detector Cable Break	0-1	
106353	SC2 address 27 - Communication Error	0-1	
106354	SC2 address 27 - Fire Alarm Active in SC2.24	0-1	
106355	SC2 address 27 - Reserve		
106356	SC2 address 27 - Damper 1 Alarm	0-1	
106357	SC2 address 27 - Dampers Exercising	0-1	
106358	SC2 address 27 - Damper 2 Alarm	0-1	
106359	SC2 address 27 - Damper Sum Alarm (1, 2 or both)	0-1	
106360	Reserve		
106361	SC2 address 27 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106362	SC2 address 27 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	

Modbus	Designation	Min/Max	Note
106363	SC2 address 27 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106364	SC2 address 27 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106365	SC2 address 27 - Smoke Detector Normal Operation	0-1	
106366	SC2 address 27 - Smoke Detector Alarm	0-1	
106367	SC2 address 27 - Smoke Detector Service Alarm	0-1	
106368	SC2 address 27 - Smoke Detector Cable Break	0-1	
106369	SC2 address 28 - Communication Error	0-1	
106370	SC2 address 28 - Fire Alarm Active in SC2.24	0-1	
106371	SC2 address 28 - Reserve		
106372	SC2 address 28 - Damper 1 Alarm	0-1	
106373	SC2 address 28 - Dampers Exercising	0-1	
106374	SC2 address 28 - Damper 2 Alarm	0-1	
106375	SC2 address 28 - Damper Sum Alarm (1, 2 or both)	0-1	
106376	Reserve		
106377	SC2 address 28 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106378	SC2 address 28 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106379	SC2 address 28 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106380	SC2 address 28 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106381	SC2 address 28 - Smoke Detector Normal Operation	0-1	
106382	SC2 address 28 - Smoke Detector Alarm	0-1	
106383	SC2 address 28 - Smoke Detector Service Alarm	0-1	
106384	SC2 address 28 - Smoke Detector Cable Break	0-1	
106385	SC2 address 29 - Communication Error	0-1	
106386	SC2 address 29 - Fire Alarm Active in SC2.24	0-1	
106387	SC2 address 29 - Reserve		
106388	SC2 address 29 - Damper 1 Alarm	0-1	
106389	SC2 address 29 - Dampers Exercising	0-1	
106390	SC2 address 29 - Damper 2 Alarm	0-1	
106391	SC2 address 29 - Damper Sum Alarm (1, 2 or both)	0-1	
106392	Reserve		
106393	SC2 address 29 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106394	SC2 address 29 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106395	SC2 address 29 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106396	SC2 address 29 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106397	SC2 address 29 - Smoke Detector Normal Operation	0-1	
106398	SC2 address 29 - Smoke Detector Alarm	0-1	
106399	SC2 address 29 - Smoke Detector Service Alarm	0-1	
106400	SC2 address 29 - Smoke Detector Cable Break	0-1	
106401	SC2 address 30 - Communication Error	0-1	
106402	SC2 address 30 - Fire Alarm Active in SC2.24	0-1	
106403	SC2 address 30 - Reserve		
106404	SC2 address 30 - Damper 1 Alarm	0-1	
106405	SC2 address 30 - Dampers Exercising	0-1	
106406	SC2 address 30 - Damper 2 Alarm	0-1	
106407	SC2 address 30 - Damper Sum Alarm (1, 2 or both)	0-1	
106408	Reserve		
106409	SC2 address 30 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106410	SC2 address 30 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106411	SC2 address 30 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106412	SC2 address 30 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106413	SC2 address 30 - Smoke Detector Normal Operation	0-1	



Modbus	Designation	Min/Max	Note
106414	SC2 address 30 - Smoke Detector Alarm	0-1	
106415	SC2 address 30 - Smoke Detector Service Alarm	0-1	
106416	SC2 address 30 - Smoke Detector Cable Break	0-1	
106417	SC2 address 31 - Communication Error	0-1	
106418	SC2 address 31 - Fire Alarm Active in SC2.24	0-1	
106419	SC2 address 31 - Reserve		
106420	SC2 address 31 - Damper 1 Alarm	0-1	
106421	SC2 address 31 - Dampers Exercising	0-1	
106422	SC2 address 31 - Damper 2 Alarm	0-1	
106423	SC2 address 31 - Damper Sum Alarm (1, 2 or both)	0-1	
106424	Reserve		
106425	SC2 address 31 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106426	SC2 address 31 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106427	SC2 address 31 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106428	SC2 address 31 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106429	SC2 address 31 - Smoke Detector Normal Operation	0-1	
106430	SC2 address 31 - Smoke Detector Alarm	0-1	
106431	SC2 address 31 - Smoke Detector Service Alarm	0-1	
106432	SC2 address 31 - Smoke Detector Cable Break	0-1	
106433	SC2 address 32 - Communication Error	0-1	
106434	SC2 address 32 - Fire Alarm Active in SC2.24	0-1	
106435	SC2 address 32 - Reserve		
106436	SC2 address 32 - Damper 1 Alarm	0-1	
106437	SC2 address 32 - Dampers Exercising	0-1	
106438	SC2 address 32 - Damper 2 Alarm	0-1	
106439	SC2 address 32 - Damper Sum Alarm (1, 2 or both)	0-1	
106440	Reserve		
106441	SC2 address 32 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106442	SC2 address 32 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106443	SC2 address 32 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106444	SC2 address 32 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106445	SC2 address 32 - Smoke Detector Normal Operation	0-1	
106446	SC2 address 32 - Smoke Detector Alarm	0-1	
106447	SC2 address 32 - Smoke Detector Service Alarm	0-1	
106448	SC2 address 32 - Smoke Detector Cable Break	0-1	
106449	SC2 address 33 - Communication Error	0-1	
106450	SC2 address 33 - Fire Alarm Active in SC2.24	0-1	
106451	SC2 address 33 - Reserve		
106452	SC2 address 33 - Damper 1 Alarm	0-1	
106453	SC2 address 33 - Dampers Exercising	0-1	
106454	SC2 address 33 - Damper 2 Alarm	0-1	
106455	SC2 address 33 - Damper Sum Alarm (1, 2 or both)	0-1	
106456	Reserve		
106457	SC2 address 33 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106458	SC2 address 33 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106459	SC2 address 33 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106460	SC2 address 33 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106461	SC2 address 33 - Smoke Detector Normal Operation	0-1	
106462	SC2 address 33 - Smoke Detector Alarm	0-1	
106463	SC2 address 33 - Smoke Detector Service Alarm	0-1	
106464	SC2 address 33 - Smoke Detector Cable Break	0-1	



Modbus	Designation	Min/Max	Note
106465	SC2 address 34 - Communication Error	0-1	
106466	SC2 address 34 - Fire Alarm Active in SC2.24	0-1	
106467	SC2 address 34 - Reserve		
106468	SC2 address 34 - Damper 1 Alarm	0-1	
106469	SC2 address 34 - Dampers Exercising	0-1	
106470	SC2 address 34 - Damper 2 Alarm	0-1	
106471	SC2 address 34 - Damper Sum Alarm (1, 2 or both)	0-1	
106472	Reserve		
106473	SC2 address 34 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106474	SC2 address 34 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106475	SC2 address 34 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106476	SC2 address 34 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106477	SC2 address 34 - Smoke Detector Normal Operation	0-1	
106478	SC2 address 34 - Smoke Detector Alarm	0-1	
106479	SC2 address 34 - Smoke Detector Service Alarm	0-1	
106480	SC2 address 34 - Smoke Detector Cable Break	0-1	
106481	SC2 address 35 - Communication Error	0-1	
106482	SC2 address 35 - Fire Alarm Active in SC2.24	0-1	
106483	SC2 address 35 - Reserve		
106484	SC2 address 35 - Damper 1 Alarm	0-1	
106485	SC2 address 35 - Dampers Exercising	0-1	
106486	SC2 address 35 - Damper 2 Alarm	0-1	
106487	SC2 address 35 - Damper Sum Alarm (1, 2 or both)	0-1	
106488	Reserve		
106489	SC2 address 35 - Damper 1 Closed (Spring released/Fire) DI	0-1	
106490	SC2 address 35 - Damper 1 Open (Spring loaded/Normal op.) DI	0-1	
106491	SC2 address 35 - Damper 2 Closed (Spring released/Fire) DI	0-1	
106492	SC2 address 35 - Damper 2 Open (Spring loaded/Normal op.) DI	0-1	
106493	SC2 address 35 - Smoke Detector Normal Operation	0-1	
106494	SC2 address 35 - Smoke Detector Alarm	0-1	
106495	SC2 address 35 - Smoke Detector Service Alarm	0-1	
106496	SC2 address 35 - Smoke Detector Cable Break	0-1	

Modbus	Designation	Min/Max	Note
300008	BT1 via MODBUS - Outdoor Temperature via MODBUS	-40.0-99.0	°C
300032	Copy of Holding Parameter 432800 - Alarm Reset	0-1	
300035	F.BF1 (EA) - Differential Pressure	0-9999	Pa
300036	F.BF1 (EA) - Air Flow	0-9999	l/s
300039	F.BT1 - Extract Air Temperature	-55.0-125.0	°C
300040	BT1 - Outdoor Temperature	-55.0-125.0	°C
300042	F.BP1 - Extract Air Duct Pressure	0-9999	Pa
300045	F.BT2 - Exhaust Air Temperature	-55.0-125.0	°C
300046	F.BP3 - Coil Pressure	0-9999	Pa
300047	F.BP2 - Extract Air Filter Pressure	0-9999	Pa
300051	F.GQ1 - EA Fan Output Value	0-4096	4096 = 100%
300069	Y03 external Temperature Fire Detector	-55.0-125.0	°C
300079	Zero parameter This value will always be 0	0	
300177	Copy of Holding Parameter 432945 - Year	2000-2099	
300178	Copy of Holding Parameter 432946 - Month	1-12	
300179	Copy of Holding Parameter 432947 - Date	0-31	
300180	Copy of Holding Parameter 432948 - Hour	0-23	
300181	Copy of Holding Parameter 432949 - Minute	0-59	
300182	Copy of Holding Parameter 432950 - Second	0-59	
300183	Copy of Holding Parameter 432951 - Weekday	1-7	
300184	Copy of Holding Parameter 432952 - Control Register	0-3	
300321	F.BP1 - Extract Air Pressure Current Setpoint	0-9999	Pa
300702	F.BP1/F.BF1 Setpoint Current Offset	0-9999	Pa (or l/s)
301153. 16H	Air Handling Unit Identity String containing 16 letters	ABCDEFGH...	String

## HOLDING REGISTER - 16-bit integer value (R/W)

Modbus	Designation	Min/Max	Note
432772	<b>Unit Start/Stop</b> If the Air Handling unit is set to use Start/Stop via Modbus, this parameter can be used to start and stop the unit 0 = Air Handling Unit Stopped 1 = Air Handling Unit Running	0-1	
432776	<b>BT1 via MODBUS - Outdoor Temperature via MODBUS</b>	-40.0-99.0	°C
432800	<b>Alarm Reset</b> Write 1 to this parameter to reset all alarms in the unit	0-1	
432819	<b>F.GQ1 - EA Fan Output Value</b> Manual operation for F.GQ1 must be activated to be able to write to this parameter	0-4096	4096 = 100%
432945	<b>Year</b> Setting for the internal clock	2000-2099	
432946	<b>Month</b> Setting for the internal clock	1-12	
432947	<b>Date</b> Setting for the internal clock	0-31	
432948	<b>Hour</b> Setting for the internal clock	0-23	
432949	<b>Minute</b> Setting for the internal clock	0-59	
432950	<b>Second</b> Setting for the internal clock	0-59	
432951	<b>Weekday</b> Setting for the internal clock (1 = Monday, 7 = Sunday)	1-7	
432952	<b>Control Register</b> 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	
433099	<b>F.GQ1 Max Limitation Value</b>	0-4096	4096 = 100%
433163	<b>External Fire Dampers Exercise Start Time (Hour)</b>	0-23	h
433164	<b>External Fire Dampers Exercise Start Time (Minute)</b>	0-59	min
433165	<b>External Fire Dampers Exercise Interval</b>	0-20160	min
433287	<b>F.BP1 (EA) Duct Pressure Regulator - Alarm Delay</b>	0-7200	s
433289	<b>F.GQ1 (EA) - Fan Alarm Delay</b>	0-7200	s
433293	<b>F.BP2 - (EA) Filter Alarm Delay</b>	0-7200	s
433294	<b>Smoke Detector Service Alarm Delay</b>	0-7200	s
433334	<b>F.BT1 Fire Alarm Temperature</b>	38.0-45.0	°C
433338	<b>F.GQ1 Maximum Value During Fire</b>	0-4096	4096 = 100%
433365	<b>F.QM2 Exercise Interval</b>	0-20160	min
433366	<b>F.QM2 Exercise Time</b>	0-600	s
433367	<b>Y03 SIOX Fire Alarm Temperature</b>	38.0-45.0	°C
433384	<b>F.BP1 - (EA) Pressure Regulator - Setpoint (Setting)</b>	0-9999	Pa
433385	<b>F.BF1 - (EA) Air Flow Regulator - Setpoint (Setting)</b>	0-9999	l/s
433386	<b>F.BP1 - (EA) Pressure Regulator - P-Band</b>	0-9999	Pa
433387	<b>F.BF1 - (EA) Air Flow Regulator - P-Band</b>	0-9999	l/s
433388	<b>F.BP1 - (EA) Pressure Regulator - I-time</b>	0-3600	s
433389	<b>F.BF1 - (EA) Air Flow Regulator - I-time</b>	0-3600	s
433390	<b>F.BP1 - (EA) Pressure Regulator - Deviation Alarm Level</b>	0-9999	Pa
433392	<b>F.BP2 - Extract Air Filter - Alarm Level Dirty Filter</b>	0-9999	Pa

## HOLDING REGISTER - 16-bit integer value (R/W)

Modbus	Designation	Min/Max	Note
433393	Time Channel Monday - Start Hour	0-24	h
433394	Time Channel Monday - Stop Hour	0-24	h
433395	Time Channel Tuesday - Start Hour	0-24	h
433396	Time Channel Tuesday - Stop Hour	0-24	h
433397	Time Channel Wednesday - Start Hour	0-24	h
433398	Time Channel Wednesday - Stop Hour	0-24	h
433399	Time Channel Thursday - Start Hour	0-24	h
433400	Time Channel Thursday - Stop Hour	0-24	h
433401	Time Channel Friday - Start Hour	0-24	h
433402	Time Channel Friday - Stop Hour	0-24	h
433403	Time Channel Saturday - Start Hour	0-24	h
433404	Time Channel Saturday - Stop Hour	0-24	h
433405	Time Channel Sunday - Start Hour	0-24	h
433406	Time Channel Sunday - Stop Hour	0-24	h
433473	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 1	-9999-9999	Pa (or l/s)
433474	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 2	-9999-9999	Pa (or l/s)
433475	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 3	-9999-9999	Pa (or l/s)
433476	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 4	-9999-9999	Pa (or l/s)
433477	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 5	-9999-9999	Pa (or l/s)
433478	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 6	-9999-9999	Pa (or l/s)
433479	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 7	-9999-9999	Pa (or l/s)
433480	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 8	-9999-9999	Pa (or l/s)
433481	F.BP1/F.BF1 (SA) Setpoint Offset Curve - Pressure/Flow 9	-9999-9999	Pa (or l/s)
433489	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 1	-40.0-99.0	°C
433490	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 2	-40.0-99.0	°C
433491	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 3	-40.0-99.0	°C
433492	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 4	-40.0-99.0	°C
433493	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 5	-40.0-99.0	°C
433494	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 6	-40.0-99.0	°C
433495	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 7	-40.0-99.0	°C
433496	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 8	-40.0-99.0	°C
433497	F.BP1/F.BF1 (EA) Setpoint Offset Curve - Temp 9	-40.0-99.0	°C
433505	Time Channel Monday - Start Minute	0-59	min
433506	Time Channel Monday - Stop Minute	0-59	min
433507	Time Channel Tuesday - Start Minute	0-59	min
433508	Time Channel Tuesday - Stop Minute	0-59	min
433509	Time Channel Wednesday - Start Minute	0-59	min
433510	Time Channel Wednesday - Stop Minute	0-59	min
433511	Time Channel Thursday - Start Minute	0-59	min
433512	Time Channel Thursday - Stop Minute	0-59	min
433513	Time Channel Friday - Start Minute	0-59	min
433514	Time Channel Friday - Stop Minute	0-59	min
433515	Time Channel Saturday - Start Minute	0-59	min
433516	Time Channel Saturday - Stop Minute	0-59	min
433517	Time Channel Sunday - Start Minute	0-59	min
433518	Time Channel Sunday - Stop Minute	0-59	min
433522	F.BF1 - (EA) Air Flow Regulator - Deviation Alarm Level	0-9999	l/s
433529	DO 4 Start Month Note: DO 4 Date Activation function must be enabled in order to use this value	1-12	

**HOLDING REGISTER - 16-bit integer value (R/W)**

Modbus	Designation	Min/Max	Note
<b>433530</b>	<b>DO 4 Start Day</b> Note: DO 4 Date Activation function must be enabled in order to use this value	0-31	
<b>433531</b>	<b>DO 4 Stop Month</b> Note: DO 4 Date Activation function must be enabled in order to use this value	1-12	
<b>433532</b>	<b>DO 4 Stop Day</b> Note: DO 4 Date Activation function must be enabled in order to use this value	0-31	
<b>433921. 16H</b>	<b>Air Handling Unit Identity</b> String containing 16 letters	ABCDEFGH...	String