

No.	Register	Memory
0	Setpoint 0...100.00 [%]	RAM
1	Override control	RAM
2	Command	RAM
3	Servomotor type	EEPROM
4	Relative position 0...100.00 [%]	RAM
5	Absolute position 0...650.00 [°][mm]	RAM
6	Relative value 0...100.00 [%]	RAM
7	Absolute value 0...65535 [m³/h][l/s][Pa]	RAM
10	Feedback signal 0...10000 [mV]	RAM
20	Setpoint absolute 0...65535 [m³/h][l/s][Pa]	RAM
100-102	Serial number [YYMMDDHHMMSSX]	EEPROM
103	Software version	EEPROM
105	Min. value 0...100.00 [%]	EEPROM
106	Max. value 0...100.00 [%]	EEPROM
108	Bus fail function	EEPROM
109	Timeout 0...65535 [s]	EEPROM
118	Btw. value 0...100.00 [%]	EEPROM
119	Btw. value 0...65535 [m³/h][l/s][Pa]	EEPROM
120	Min. value 0...65535 [m³/h][l/s][Pa]	EEPROM
121	Max. value 0...65535 [m³/h][l/s][Pa]	EEPROM
122	Interface mode	EEPROM
130	Address 1 - 247	EEPROM
200	Nominal value / delta P @ Vnom 0...1500 [Pa]	EEPROM
201	Unit	EEPROM
226	Height correction [m] (VAV) Correction value (VAP)	EEPROM
231	Mode	EEPROM
233	Vnom absolute / Pnom absolute	EEPROM
273	Device type	EEPROM
568	Modbus settings	EEPROM
569	Modbus delay	EEPROM
769	Status override control	EEPROM

Registers in bold can be written, RAM registers are non-permanent, EEPROM registers are permanent (max. 1 Mio. write cycles)

Register 1:

Override control	
0	-
1	Open
2	Close
3	Min
4	Max
5	Between
6	Fast open
7	Fast close
8	Stop

Register 2:

Command	
0	-
1	Adaption drive
2	Test
3	Reference drive
4	Controller reset
5	Reset without reference drive

Register 3:

Servomotor type	
0	No servomotor
1	Standard servomotor
2	VAV servomotor
3	Fire protection servomotor
4	GUAC VAV
5	GUAC CM
6	GT

Register 108:

Bus fail function*	
0	No busmonitoring (function deactivated in analog control)
1	Close by bus timeout
2	Open by bus timeout
3	Vmin by bus timeout
4	Vbtw by bus timeout
5	Vmax by bus timeout
6	Motor stop (break)

timeout >120 s
(default setting)

*retriggered by any read/write command to servomotors address

Register 122:

Interface mode		
Value	Signal input	Feedback signal
0	Analog (0)2...10 V	(0)2...10 V
1	Modbus via register 0	(0)2...10 V
2	Modbus via register 0	Register 10
3	Analog (0)2...10 V	Register 10
4*	Analog 6 ± 4 V	(0)2...10 V
5*	Analog 6 ± 4 V	Register 10
6**	Analog (0)2...10 V	(0)2...10 V
7**	Modbus via register 0	(0)2...10 V
8**	Modbus via register 0	Register 10
9**	Analog (0)2...10 V	Register 10

*OpenLoop function for GUAC connection | **OpenLoop function

Register 201:

Unit	
0	[l/s]
1	[m ³ /h]
2	[Pa]
3	[in H ₂ O]
4	[°]
6	[cfm]

Register 231:

Mode	
Bit	
0	0 = 0-10 V 1 = 2-10 V
1	0 = normal direction of rotation 1 = inverse direction of rotation
4	0 = feedback signal Vol/Pres 1 = feedback signal angle

Register 568:

Modbus parameter				
Display	Value	Baudrate	Parity	Stop bits
1	0	1200	none	2
2	1	1200	even	1
3	2	1200	odd	1
4	3	2400	none	2
5	4	2400	even	1
6	5	2400	odd	1
7	6	4800	none	2
8	7	4800	even	1
9	8	4800	odd	1
10	9	9600	none	2
11	10	9600	even	1
12	11	9600	odd	1
13	12	19200	none	2
14¹⁾	13	19200	even	1
15	14	19200	odd	1
16	15	38400	none	2
17	16	38400	even	1
18	17	38400	odd	1
19 ²⁾	18	1200	none	1
20 ²⁾	19	2400	none	1
21 ²⁾	20	4800	none	1
22 ²⁾	21	9600	none	1
23 ²⁾	22	19200	none	1
24 ²⁾	23	38400	none	1
25 ²⁾	24	76800	none	1
26 ²⁾	25	115200	none	1
27	26	76800	none	2
28	27	76800	even	1
29	28	76800	odd	1
30	29	115200	none	2
31	30	115200	even	1
32	31	115200	odd	1

1) default setting

2) not Modbus standard, only Gruner

Register 569:

Response time: 10 ms + "delay"

"Delay": 3 ms x 0...255

Register 769:

Status override control	
Bit	
2	1 = Override control close
3	1 = Override control open
4	1 = Override control between
5	1 = Override control max
7	1 = Override control stop
8	1 = Override control min
9	1 = Negative half-wave
10	1 = Positive half-wave
11	1 = Fullwave
12	1 = Analog Min
13	1 = Analog Max
14	1 = Ground