No.	Register	Memory
0	**Setpoint 0…100.00 [%]**	RAM
1	**Override control**	RAM
2	**Command**	RAM
3	Actuator 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
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
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 [Pa]**	EEPROM
201	**Unit**	EEPROM
226	**Height correction 0…6000 [m]**	EEPROM
235	**Start up**	EEPROM
551	**Mode**	EEPROM
568	**Modbus settings**	EEPROM
569	**Modbus response time**	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:

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

Register 108:

Bus fail function*		
0	Last setpoint (function deactivated in analog control)	
1	Close by bus timeout	timeout >120s (default setting)
2	Open by bus timeout	
3	Vmin by bus timeout	
4	Vbtw by bus timeout	
5	Vmax by bus timeout	

*retriggered by any read/write command to actuator´s 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

Register 201:

Unit	
0	[l/s]
1	[m^3/h]
2	[Pa]
3	[in H_2O]
4	[°]
5	[mm]
6	[cfm]

Register 235:

Start up	
0	normal Operation (drive depends controller signal)
1	Reference drive open
2	Reference drive close
3	Adaption drive

Register 551:

Mode	
Bit	**Function**
0	1 = 2-10V
1	1 = Override control Modbus
2	1 = Override control close
3	1 = Override control open
4	1 = Override control Vbtw
5	1 = Override control Vmax
6	1 = option reversal activ (change direction of rotation)
7	1 = Motor off
8	1 = Override control Vmin

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
14 [1)]	***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

Repsonse time: 10 ms + "delay"

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