ÖkoFEN PELLETSHEIZUNG

HomeAutomation Interface - Subject to change - preliminary version (V2.06)

Reg	Ident	r/w	Unit	Range	Description
1	VERSION	r/w		0..2	(0) V2.03 compatible (1) Cascade (2) Home Automation
2	AMBIENT TEMP	r	1/10°C		Ambient Temperature
3	PLANT_MODE	r/w		0..2	(0) Off (1) Auto (2) Domestic Hot Water
4	IO-BOX INDEX	r/w		0..2	Switch between the IO Boxes
5	ERROR 1	r			See error description*
6	ERROR 2	r			See error description*
7	ERROR 3	r			See error description*
8	ERROR 4	r			See error description*
9	ERROR 5	r			See error description*
10	Heating Circuit Index	r		0,1,3,5	(0) not available, else index
11	HC Mode	r/w		0 .. 3	(0) Off, (1) Auto, (2) Heat, (3) Setback
12	HC Heating Temp	r/w	1/10°C	5°C .. 40°C	Heating Temperature
13	HC Setback Temp	r/w	1/10°C	5°C .. 40°C	Setback Temperature
14	HC Remote Control Override	r	1/10°C	-5°C .. 5°C	Remote control override
15	HC State	r			*See Description
16	HC External Demand	r/w		0..2	(0) Off, (1) External On, (2) External Inverted (if learned)
17	HC Eco Mode	r/w		0..3	(0)Off, (1)Comfort, (2)Minimum, (3) Eco
18	HC Time Program	r/w		0..1	Current Time Program
19	HC Current Room Set Temp	r	1/10°C		Current set temp
20	HC Current Room Temp	r	1/10°C		Current room temp
21	HC Current Flow Temp Set	r	1/10°C		Current flow temp set
22	HC Current Flow Temp	r	1/10°C		Current flow temp
23	HC Pump	r		0..1	Off/On Heating Circuit Pump
24	HC Solar Heating Mode	r/w		0..2	Off / Eco / On
25	HC Solar Heating Temp	r/w	1/10°C	0..2	Flow / Room Temperature
26					
27					
28					
29					
30	Heating Circuit Index	r		0,2,4,6	(0) not available, else index
31	HC Mode	r/w		0 .. 3	(0) Off, (1) Auto, (2) Heat, (3) Setback
32	HC Heating Temp	r/w	1/10°C	5°C .. 40°C	Heating Temperature
33	HC Setback Temp	r/w	1/10°C	5°C .. 40°C	Setback Temperature
34	HC Remote Control Override	r	1/10°C	-5°C .. 5°C	Remote control override
35	HC State	r			*See Description
36	HC External Demand	r/w	0	0..2	(0) Off, (1) External On, (2) External Inverted (if learned)
37	HC Eco Mode	r/w		0..3	(0)Off, (1)Comfort, (2)Minimum, (3) Eco
38	HC Time Program	r/w		0..1	Current Time Program
39	HC Current Room Set Temp	r	1/10°C		Current set temp
40	HC Current Room Temp	r	1/10°C		Current room temp
41	HC Current Flow Temp Set	r	1/10°C		Current flow temp set
42	HC Current Flow Temp	r	1/10°C		Current flow temp
43	HC Pump	r		0..1	Off/On Heating Circuit Pump
44	HC Solar Heating Mode	r/w		0..2	Off / Eco / On
45	HC Solar Heating Temp	r/w	1/10°C	0..2	Flow / Room Temperature
46					
47					
48					
49					
50	DHW Index	r		0 .. 3	(0) not available, else index
51	DHW Mode	r/w		0 .. 2	(0)Off, (1) Auto, (2) On
52	DHW Force Once	r/w		0 .. 1	Heatup water once
53	DHW Priority Mode	r/w		0 .. 1	Priority mode
54	DHW Set Temp	r/w	1/10°C	8°C .. 80°C	Set Temperature DHW
55	DHW Minimum Temp	r/w	1/10°C	8°C .. 80°C	Minimum Temperature DHW
56	DHW Time Program	r/w		0 .. 1	Current Time Program
57	DHW Legionella	r/w		0 .. 8	(0) Monday .. (7) Sunday, (8) Off
58	DHW State	r			*See Description
59	DHW External	r/w		0 .. 2	(0) Off, (1) External On, (2) External Inverted (if learned)
60	DHW On Temp	r	1/10°C		On Temperature
61	DHW Off Temp	r	1/10°C		Off Temperature
62	DHW Temp Set	r	1/10°C		Current set temp
63	DHW Solar Heating Mode	r/w		0..2	Off / Eco / On
64					

65	ACCU Index	r		0 .. 3	(0) not available, else index
66	ACCU use time program	r/w		0 .. 1	(0) only on demand, (1) time program
67	ACCU Min On	r/w	1/10°C	8°C .. 80°C	Minimum Temp Of Accu
68	ACCU Min Off	r/w	1/10°C	8°C .. 80°C	Minimum Switch of Temp
69	ACCU Min On (external/timeprg)	r/w	1/10°C	8°C .. 80°C	Minimum Temp ON Accu for TimeProg or ext Demand
70	ACCU Min Off (external/timeprg)	r/w	1/10°C	8°C .. 80°C	Maximum Temp OFF Accu for TimeProg or ext Demand
71	ACCU External	r		0 .. 2	(0) Off, (1) External On, (2) External Inverted (if learned)
72	ACCU TPO	r	1/10°C		UPPER Temperature
73	ACCU TPM	r	1/10°C		MIDDLE Temperature
74	ACCU State	r			*See Description
75	Solar Collector Temp	r	1/10°C		Collector Temperature
76	Solar Index	r		0,1,3,5	(0) not available, else index
77	Solar Mode	r/w		0 .. 1	(0) Off, (1) On
78	Solar Storage Temp	r	1/10°C		Temperature Store
79	Solar Cooling	r/w		0 .. 2	Off / Eco / On
80	Solar Pump	r	Off/On	0 .. 1	Solar Pump state
81	Solar State	r			*See Description
82					
83	Solar Index	r		0,2,4,6	(0) not available, else index
84	Solar Mode	r/w		0 .. 1	(0) Off, (1) On
85	Solar Storage Temp	r	1/10°C		Temperature Store
86	Solar Cooling	r/w		0 .. 2	Off / Eco / On
87	Solar Pump	r	Off/On	0 .. 1	Solar Pump state
88	Solar State	r			*See Description
89					
90	SolarGain index	r		0,1,2,3	(0) not available, else index
91	SolarGain current	r	0,1 kW		Current solar energy
92	SolarGain today	r	0,1 kWh		todays solar energy
93	SolarGain yesterday	r	0,1 kWh		yesterdays solar energy
94	SolarGain total	r	0,1 kWh		total solar energy
95	SolarGain flow rate	r	0.01 l/min		flow rate
96	SolarGain flow temp	r	1/10°C		Solar flow temperature
97	SolarGain return temp	r	1/10°C		Solar return temperature
98					
99					
100	FA Index	r		0,1,2,3	(0) not available, else index
101	FA Mode	r/w			(0) Off (1) Auto (2) On
102	FA Temp	r	1/10°C		Current boiler temperature
103	FA Temp set	r	1/10°C		Set temp for boiler
104	FA Modulation	r	%		Modulation
105	FA State	r			Boilerstate*
106	FA Runtime	r	h		total burner runtime
107	FA Starts	r			total burner starts
108	FA Maintenance	r/w		0 .. 1	Maintenance (0 restarts Maintenance Intervall)
109					
110	ECO Mode	r/w	Off/On	0 .. 1	Enable/Disable ECO Mode
111	ECO Temp	r	°C		Current Temp
112	ECO Clouds	r	%		Current Clouds
113	ECO Forecast Temp	r	°C		Forecast Temp
114	ECO Forecast Clouds	r	%		Forecast Clouds
115	ECO Starttime	r	hhmm		Ecomode Starttime
116	ECO Endtime	r	hhmm		Ecomode Endtime
117	ECO Cloud limit	r/w	%	10 .. 90	Enable/Disable ECO Cloud limitode
118	ECO Switch off temp hysteresys	r/w	°K	-20°K .. 0°K	Enable/Disable ECO Switch off temp hysteresysode
119	ECO Lead	r/w	min	0 .. 600 min	Enable/Disable ECO Leadode

*Boilerstate	
0	Permanent Op
1	Start
2	Ignition
3	Softstart
4	Heating Full Power
5	Run On Time
6	Off
7	Suction
8	Ash
9	Pellet
10	Pellet switch
11	Störung
12	Einmessen
13..99	Off

Error description*		Examples
digit		20040 (2004/0)
1,2,3,4	Errorcode (see error manual)	20041 (2004/1)
5	Index of Boiler/Accu starting at 0	50100 (5010/0)

Important Note: Write cycles under 2h will reduce the life time of the internal flash memory.