

RESOL Modbus/TCP Configuration

Filename: Oventrop_Regtronic_RH-HT_ModbusConfig_1.0.3.cbor
ID: Oventrop_Regtronic_RH-HT
Version: 1.0.3
Build at: 2022-10-20 10:16

Endianness: Big Endian

Coils (Type 0 / Modbus function code 01)

No values defined!

Discrete Inputs (Type 1 / Modbus function code 02)

Address		Description	R/W	Factor	Unit
0	Error: Sensor fault		R	1	
1	Error: Module error		R	1	

Input Registers (Type 3 / Modbus function code 04)

Address	Description	R/W	Data type	Factor	Unit
0	Temperature sensor 1	R	int16	0.1	°C
1	Temperature sensor 2	R	int16	0.1	°C
2	Temperature sensor 3	R	int16	0.1	°C
3	Temperature sensor 4	R	int16	0.1	°C
4	Temperature sensor 5	R	int16	0.1	°C
5	Temperature sensor 6	R	int16	0.1	°C
6	Temperature sensor 7	R	int16	0.1	°C
7	Temperature sensor 8	R	int16	0.1	°C
8	Temperature sensor 9	R	int16	0.1	°C
9	Irradiation sensor	R	int16	1	W/m ²
10	Temperature sensor 11	R	int16	0.1	°C
11	Temperature sensor 12	R	int16	0.1	°C
12	Flow rate Sensor 1 (bits 16..31)	R	int32	1	l/h
13	Flow rate Sensor 1 (bits 0..15)	R	int32	1	l/h
14	Flow rate Sensor 2 (bits 16..31)	R	int32	1	l/h
15	Flow rate Sensor 2 (bits 0..15)	R	int32	1	l/h
16	Flow rate Sensor 3 (bits 16..31)	R	int32	1	l/h
17	Flow rate Sensor 3 (bits 0..15)	R	int32	1	l/h
18	Pressure sensor 11	R	int16	0.01	bar
19	Pressure sensor 12	R	int16	0.01	bar
20	Pump speed relay 1	R	int16	1	%
21	Pump speed relay 2	R	int16	1	%
22	Pump speed relay 3	R	int16	1	%
23	Pump speed relay 4	R	int16	1	%
24	Pump speed relay 5	R	int16	1	%
25	Controller output 1	R	int16	1	%
26	Controller output 2	R	int16	1	%
29	Error mask (bits 16..31)	R	int32	1	
30	Error mask (bits 0..15)	R	int32	1	
33	Heating circuit #1 TflowSet	R	int16	0.1	°C
34	Heating circuit #1 Operating state	R	int16	1	
35	Heating circuit #1 Op. mode	R	int16	1	
36	Heating circuit #1 Boiler starts (bits 16..31)	R	int32	1	
37	Heating circuit #1 Boiler starts (bits 0..15)	R	int32	1	
38	Heating circuit #2 TflowSet	R	int16	0.1	°C
39	Heating circuit #2 Operating state	R	int16	1	
40	Heating circuit #2 Op. mode	R	int16	1	
41	Heating circuit #2 Boiler starts (bits 16..31)	R	int32	1	
42	Heating circuit #2 Boiler starts (bits 0..15)	R	int32	1	

Input Registers (Type 3 / Modbus function code 04) cont.

Address	Description	R/W	Data type	Factor	Unit
43	Heating circuit #3 TflowSet	R	int16	0.1	°C
44	Heating circuit #3 Operating state	R	int16	1	
45	Heating circuit #3 Op. mode	R	int16	1	
46	Heating circuit #3 Boiler starts (bits 16..31)	R	int32	1	
47	Heating circuit #3 Boiler starts (bits 0..15)	R	int32	1	
48	Heating circuit #4 TflowSet	R	int16	0.1	°C
49	Heating circuit #4 Operating state	R	int16	1	
50	Heating circuit #4 Op. mode	R	int16	1	
51	Heating circuit #4 Boiler starts (bits 16..31)	R	int32	1	
52	Heating circuit #4 Boiler starts (bits 0..15)	R	int32	1	
53	Heating circuit #5 TflowSet	R	int16	0.1	°C
54	Heating circuit #5 Operating state	R	int16	1	
55	Heating circuit #5 Op. mode	R	int16	1	
56	Heating circuit #5 Boiler starts (bits 16..31)	R	int32	1	
57	Heating circuit #5 Boiler starts (bits 0..15)	R	int32	1	
58	Heating circuit #6 TflowSet	R	int16	0.1	°C
59	Heating circuit #6 Operating state	R	int16	1	
60	Heating circuit #6 Op. mode	R	int16	1	
61	Heating circuit #6 Boiler starts (bits 16..31)	R	int32	1	
62	Heating circuit #6 Boiler starts (bits 0..15)	R	int32	1	
63	Heating circuit #7 TflowSet	R	int16	0.1	°C
64	Heating circuit #7 Operating state	R	int16	1	
65	Heating circuit #7 Op. mode	R	int16	1	
66	Heating circuit #7 Boiler starts (bits 16..31)	R	int32	1	
67	Heating circuit #7 Boiler starts (bits 0..15)	R	int32	1	
68	HQM #1 Value (bits 16..31)	R	int32	1	Wh
69	HQM #1 Value (bits 0..15)	R	int32	1	Wh
70	HQM #1 Power (bits 16..31)	R	int32	1	W
71	HQM #1 Power (bits 0..15)	R	int32	1	W
72	HQM #1 Value (today) (bits 16..31)	R	int32	1	Wh
73	HQM #1 Value (today) (bits 0..15)	R	int32	1	Wh
74	HQM #1 Value (week) (bits 16..31)	R	int32	1	Wh
75	HQM #1 Value (week) (bits 0..15)	R	int32	1	Wh
76	HQM #2 Value (bits 16..31)	R	int32	1	Wh
77	HQM #2 Value (bits 0..15)	R	int32	1	Wh
78	HQM #2 Power (bits 16..31)	R	int32	1	W
79	HQM #2 Power (bits 0..15)	R	int32	1	W
80	HQM #2 Value (today) (bits 16..31)	R	int32	1	Wh
81	HQM #2 Value (today) (bits 0..15)	R	int32	1	Wh

Input Registers (Type 3 / Modbus function code 04) cont.

Address	Description	R/W	Data type	Factor	Unit
82	HQM #2 Value (week) (bits 16..31)	R	int32	1	Wh
83	HQM #2 Value (week) (bits 0..15)	R	int32	1	Wh
84	HQM #3 Value (bits 16..31)	R	int32	1	Wh
85	HQM #3 Value (bits 0..15)	R	int32	1	Wh
86	HQM #3 Power (bits 16..31)	R	int32	1	W
87	HQM #3 Power (bits 0..15)	R	int32	1	W
88	HQM #3 Value (today) (bits 16..31)	R	int32	1	Wh
89	HQM #3 Value (today) (bits 0..15)	R	int32	1	Wh
90	HQM #3 Value (week) (bits 16..31)	R	int32	1	Wh
91	HQM #3 Value (week) (bits 0..15)	R	int32	1	Wh
92	HQM #4 Value (bits 16..31)	R	int32	1	Wh
93	HQM #4 Value (bits 0..15)	R	int32	1	Wh
94	HQM #4 Power (bits 16..31)	R	int32	1	W
95	HQM #4 Power (bits 0..15)	R	int32	1	W
96	HQM #4 Value (today) (bits 16..31)	R	int32	1	Wh
97	HQM #4 Value (today) (bits 0..15)	R	int32	1	Wh
98	HQM #4 Value (week) (bits 16..31)	R	int32	1	Wh
99	HQM #4 Value (week) (bits 0..15)	R	int32	1	Wh
100	HQM #5 Value (bits 16..31)	R	int32	1	Wh
101	HQM #5 Value (bits 0..15)	R	int32	1	Wh
102	HQM #5 Power (bits 16..31)	R	int32	1	W
103	HQM #5 Power (bits 0..15)	R	int32	1	W
104	HQM #5 Value (today) (bits 16..31)	R	int32	1	Wh
105	HQM #5 Value (today) (bits 0..15)	R	int32	1	Wh
106	HQM #5 Value (week) (bits 16..31)	R	int32	1	Wh
107	HQM #5 Value (week) (bits 0..15)	R	int32	1	Wh
108	Module #1 Sensor 1	R	int16	0.1	°C
109	Module #1 Sensor 2	R	int16	0.1	°C
110	Module #1 Sensor 3	R	int16	0.1	°C
111	Module #1 Sensor 4	R	int16	0.1	°C
112	Module #1 Sensor 5	R	int16	0.1	°C
113	Module #1 Sensor 6	R	int16	0.1	°C
114	Module #1 Pump speed relay 1	R	int16	1	%
115	Module #1 Pump speed relay 2	R	int16	1	%
116	Module #1 Pump speed relay 3	R	int16	1	%
117	Module #1 Pump speed relay 4	R	int16	1	%
118	Module #1 Pump speed relay 5	R	int16	1	%
119	Module #2 Sensor 1	R	int16	0.1	°C
120	Module #2 Sensor 2	R	int16	0.1	°C

Input Registers (Type 3 / Modbus function code 04) cont.

Address	Description	R/W	Data type	Factor	Unit
121	Module #2 Sensor 3	R	int16	0.1	°C
122	Module #2 Sensor 4	R	int16	0.1	°C
123	Module #2 Sensor 5	R	int16	0.1	°C
124	Module #2 Sensor 6	R	int16	0.1	°C
125	Module #2 Pump speed relay 1	R	int16	1	%
126	Module #2 Pump speed relay 2	R	int16	1	%
127	Module #2 Pump speed relay 3	R	int16	1	%
128	Module #2 Pump speed relay 4	R	int16	1	%
129	Module #2 Pump speed relay 5	R	int16	1	%
130	Module #3 Sensor 1	R	int16	0.1	°C
131	Module #3 Sensor 2	R	int16	0.1	°C
132	Module #3 Sensor 3	R	int16	0.1	°C
133	Module #3 Sensor 4	R	int16	0.1	°C
134	Module #3 Sensor 5	R	int16	0.1	°C
135	Module #3 Sensor 6	R	int16	0.1	°C
136	Module #3 Pump speed relay 1	R	int16	1	%
137	Module #3 Pump speed relay 2	R	int16	1	%
138	Module #3 Pump speed relay 3	R	int16	1	%
139	Module #3 Pump speed relay 4	R	int16	1	%
140	Module #3 Pump speed relay 5	R	int16	1	%
141	Module #4 Sensor 1	R	int16	0.1	°C
142	Module #4 Sensor 2	R	int16	0.1	°C
143	Module #4 Sensor 3	R	int16	0.1	°C
144	Module #4 Sensor 4	R	int16	0.1	°C
145	Module #4 Sensor 5	R	int16	0.1	°C
146	Module #4 Sensor 6	R	int16	0.1	°C
147	Module #4 Pump speed relay 1	R	int16	1	%
148	Module #4 Pump speed relay 2	R	int16	1	%
149	Module #4 Pump speed relay 3	R	int16	1	%
150	Module #4 Pump speed relay 4	R	int16	1	%
151	Module #4 Pump speed relay 5	R	int16	1	%
152	Module #5 Sensor 1	R	int16	0.1	°C
153	Module #5 Sensor 2	R	int16	0.1	°C
154	Module #5 Sensor 3	R	int16	0.1	°C
155	Module #5 Sensor 4	R	int16	0.1	°C
156	Module #5 Sensor 5	R	int16	0.1	°C
157	Module #5 Sensor 6	R	int16	0.1	°C
158	Module #5 Pump speed relay 1	R	int16	1	%
159	Module #5 Pump speed relay 2	R	int16	1	%

Input Registers (Type 3 / Modbus function code 04) cont.

Address	Description	R/W	Data type	Factor	Unit
160	Module #5 Pump speed relay 3	R	int16	1	%
161	Module #5 Pump speed relay 4	R	int16	1	%
162	Module #5 Pump speed relay 5	R	int16	1	%

Holding Registers (Type 4 / Modbus function code 06)

Address	Description	R/W	Data type	Factor	Unit
0	Heating circuit 1 curve	R/W	uint16	0.1	
1	Heating circuit 2 curve	R/W	uint16	0.1	
2	Heating circuit 3 curve	R/W	uint16	0.1	
3	Heating circuit 4 curve	R/W	uint16	0.1	
4	Heating circuit 5 curve	R/W	uint16	0.1	
5	Heating circuit 6 curve	R/W	uint16	0.1	
6	Heating circuit 7 curve	R/W	uint16	0.1	
7	Heating circuit 1 day corr.	R/W	int16	0.1	K
8	Heating circuit 2 day corr.	R/W	int16	0.1	K
9	Heating circuit 3 day corr.	R/W	int16	0.1	K
10	Heating circuit 4 day corr.	R/W	int16	0.1	K
11	Heating circuit 5 day corr.	R/W	int16	0.1	K
12	Heating circuit 6 day corr.	R/W	int16	0.1	K
13	Heating circuit 7 day corr.	R/W	int16	0.1	K
14	Heating circuit 1 night corr.	R/W	int16	0.1	K
15	Heating circuit 2 night corr.	R/W	int16	0.1	K
16	Heating circuit 3 night corr.	R/W	int16	0.1	K
17	Heating circuit 4 night corr.	R/W	int16	0.1	K
18	Heating circuit 5 night corr.	R/W	int16	0.1	K
19	Heating circuit 6 night corr.	R/W	int16	0.1	K
20	Heating circuit 7 night corr.	R/W	int16	0.1	K
21	Heating circuit 1 mode	R/W	uint16	1	
22	Heating circuit 2 mode	R/W	uint16	1	
23	Heating circuit 3 mode	R/W	uint16	1	
24	Heating circuit 4 mode	R/W	uint16	1	
25	Heating circuit 5 mode	R/W	uint16	1	
26	Heating circuit 6 mode	R/W	uint16	1	
27	Heating circuit 7 mode	R/W	uint16	1	