

# RESOL Modbus/TCP Configuration

**Filename:** RESOL\_DeltaTherm\_HC\_ModbusConfig\_1.0.1.cbor  
**ID:** RESOL\_DeltaTherm\_HC  
**Version:** 1.0.1  
**Build at:** 2021-04-16 04:25

## **Coils (Type 0)**

No values defined!

## Discrete Inputs (Type 1)

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

## Input Registers (Type 3)

Address	Description	Factor	Unit
0	Temperature sensor 1	0.1	°C
1	Temperature sensor 2	0.1	°C
2	Temperature sensor 3	0.1	°C
3	Temperature sensor 4	0.1	°C
4	Temperature sensor 5	0.1	°C
5	Temperature sensor 6	0.1	°C
6	Temperature sensor 7	0.1	°C
7	Temperature sensor 8	0.1	°C
8	Temperature sensor 9	0.1	°C
9	Irradiation sensor	1	W/m <sup>2</sup>
10	Temperature sensor 11	0.1	°C
11	Temperature sensor 12	0.1	°C
12	Flow rate Sensor 1 (bits 16..31)	1	l/h
13	Flow rate Sensor 1 (bits 0..15)	1	l/h
14	Flow rate Sensor 2 (bits 16..31)	1	l/h
15	Flow rate Sensor 2 (bits 0..15)	1	l/h
16	Flow rate Sensor 3 (bits 16..31)	1	l/h
17	Flow rate Sensor 3 (bits 0..15)	1	l/h
18	Pressure sensor 11	0.01	bar
19	Pressure sensor 12	0.01	bar
20	Pump speed relay 1	1	%
21	Pump speed relay 2	1	%
22	Pump speed relay 3	1	%
23	Pump speed relay 4	1	%
24	Pump speed relay 5	1	%
25	Controller output 1	1	%
26	Controller output 2	1	%
27	System date (bits 16..31)	1	
28	System date (bits 0..15)	1	
29	Error mask (bits 16..31)	1	
30	Error mask (bits 0..15)	1	
31	Warning mask (bits 16..31)	1	
32	Warning mask (bits 0..15)	1	
33	TflowSet	0.1	°C
34	Operating state	1	
35	Op. mode	1	
36	Boiler starts (bits 16..31)	1	
37	Boiler starts (bits 0..15)	1	
38	TflowSet	0.1	°C

**Input Registers (Type 3) cont.**

Address	Description	Factor	Unit
39	Operating state	1	
40	Op. mode	1	
41	Boiler starts (bits 16..31)	1	
42	Boiler starts (bits 0..15)	1	
43	TflowSet	0.1	°C
44	Operating state	1	
45	Op. mode	1	
46	Boiler starts (bits 16..31)	1	
47	Boiler starts (bits 0..15)	1	
48	TflowSet	0.1	°C
49	Operating state	1	
50	Op. mode	1	
51	Boiler starts (bits 16..31)	1	
52	Boiler starts (bits 0..15)	1	
53	TflowSet	0.1	°C
54	Operating state	1	
55	Op. mode	1	
56	Boiler starts (bits 16..31)	1	
57	Boiler starts (bits 0..15)	1	
58	TflowSet	0.1	°C
59	Operating state	1	
60	Op. mode	1	
61	Boiler starts (bits 16..31)	1	
62	Boiler starts (bits 0..15)	1	
63	TflowSet	0.1	°C
64	Operating state	1	
65	Op. mode	1	
66	Boiler starts (bits 16..31)	1	
67	Boiler starts (bits 0..15)	1	
68	Value (bits 16..31)	1	Wh
69	Value (bits 0..15)	1	Wh
70	Power (bits 16..31)	1	W
71	Power (bits 0..15)	1	W
72	Value (today) (bits 16..31)	1	Wh
73	Value (today) (bits 0..15)	1	Wh
74	Value (week) (bits 16..31)	1	Wh
75	Value (week) (bits 0..15)	1	Wh
76	Value (bits 16..31)	1	Wh
77	Value (bits 0..15)	1	Wh

**Input Registers (Type 3) cont.**

Address	Description	Factor	Unit
78	Power (bits 16..31)	1	W
79	Power (bits 0..15)	1	W
80	Value (today) (bits 16..31)	1	Wh
81	Value (today) (bits 0..15)	1	Wh
82	Value (week) (bits 16..31)	1	Wh
83	Value (week) (bits 0..15)	1	Wh
84	Value (bits 16..31)	1	Wh
85	Value (bits 0..15)	1	Wh
86	Power (bits 16..31)	1	W
87	Power (bits 0..15)	1	W
88	Value (today) (bits 16..31)	1	Wh
89	Value (today) (bits 0..15)	1	Wh
90	Value (week) (bits 16..31)	1	Wh
91	Value (week) (bits 0..15)	1	Wh
92	Value (bits 16..31)	1	Wh
93	Value (bits 0..15)	1	Wh
94	Power (bits 16..31)	1	W
95	Power (bits 0..15)	1	W
96	Value (today) (bits 16..31)	1	Wh
97	Value (today) (bits 0..15)	1	Wh
98	Value (week) (bits 16..31)	1	Wh
99	Value (week) (bits 0..15)	1	Wh
100	Value (bits 16..31)	1	Wh
101	Value (bits 0..15)	1	Wh
102	Power (bits 16..31)	1	W
103	Power (bits 0..15)	1	W
104	Value (today) (bits 16..31)	1	Wh
105	Value (today) (bits 0..15)	1	Wh
106	Value (week) (bits 16..31)	1	Wh
107	Value (week) (bits 0..15)	1	Wh
108	Sensor 1	0.1	°C
109	Sensor 2	0.1	°C
110	Sensor 3	0.1	°C
111	Sensor 4	0.1	°C
112	Sensor 5	0.1	°C
113	Sensor 6	0.1	°C
114	Pump speed relay 1	1	%
115	Pump speed relay 2	1	%
116	Pump speed relay 3	1	%

**Input Registers (Type 3) cont.**

<b>Address</b>	<b>Description</b>	<b>Factor</b>	<b>Unit</b>
117	Pump speed relay 4	1	%
118	Pump speed relay 5	1	%
119	Sensor 1	0.1	°C
120	Sensor 2	0.1	°C
121	Sensor 3	0.1	°C
122	Sensor 4	0.1	°C
123	Sensor 5	0.1	°C
124	Sensor 6	0.1	°C
125	Pump speed relay 1	1	%
126	Pump speed relay 2	1	%
127	Pump speed relay 3	1	%
128	Pump speed relay 4	1	%
129	Pump speed relay 5	1	%
130	Sensor 1	0.1	°C
131	Sensor 2	0.1	°C
132	Sensor 3	0.1	°C
133	Sensor 4	0.1	°C
134	Sensor 5	0.1	°C
135	Sensor 6	0.1	°C
136	Pump speed relay 1	1	%
137	Pump speed relay 2	1	%
138	Pump speed relay 3	1	%
139	Pump speed relay 4	1	%
140	Pump speed relay 5	1	%
141	Sensor 1	0.1	°C
142	Sensor 2	0.1	°C
143	Sensor 3	0.1	°C
144	Sensor 4	0.1	°C
145	Sensor 5	0.1	°C
146	Sensor 6	0.1	°C
147	Pump speed relay 1	1	%
148	Pump speed relay 2	1	%
149	Pump speed relay 3	1	%
150	Pump speed relay 4	1	%
151	Pump speed relay 5	1	%
152	Sensor 1	0.1	°C
153	Sensor 2	0.1	°C
154	Sensor 3	0.1	°C
155	Sensor 4	0.1	°C

**Input Registers (Type 3) cont.**

Address		Description	Factor	Unit
156		Sensor 5	0.1	°C
157		Sensor 6	0.1	°C
158		Pump speed relay 1	1	%
159		Pump speed relay 2	1	%
160		Pump speed relay 3	1	%
161		Pump speed relay 4	1	%
162		Pump speed relay 5	1	%



## **Holding Registers (Type 4)**

No values defined!