

RESOL Modbus/TCP Configuration

Filename: RESOL_DeltaSol_MX_ModbusConfig_1.1.0.cbor
ID: RESOL_DeltaSol_MX
Version: 1.1.0
Build at: 2019-12-02 06:58

Coils (Type 0)

No values defined!

Discrete Inputs (Type 1)

Address	Description	Factor	Unit
0	Error: Sensor line broken	1	
1	Error: Sensor line short-circuited	1	
2	Error: Flow rate monitoring	1	
3	Error: Overpressure	1	
4	Error: Low pressure	1	
5	Error: Data memory	1	
6	Error: Real-time clock	1	
7	Error: Twin pump	1	
8	Error: HC cooling below flow minimum temperature	1	
9	Error: Thermal disinfection cancelled	1	
10	Warning: ΔT too high	1	
11	Warning: Night circulation	1	
12	Warning: Flow/Return interchanged	1	
13	Warning: SD card	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	Temperature sensor 10	0.1	°C
10	Temperature sensor 11	0.1	°C
11	Temperature sensor 12	0.1	°C
12	Temperature sensor 13	0.1	°C
13	Temperature sensor 14	0.1	°C
14	Temperature sensor 15	0.1	°C
15	Irradiation sensor 16	1	W/m ²
16	Temperature sensor 17	0.1	°C
17	Temperature sensor 18	0.1	°C
18	Temperature sensor 19	0.1	°C
19	Temperature sensor 20	0.1	°C
20	Flow rate sensor 13 (bits 16..31)	1	l/h
21	Flow rate sensor 13 (bits 0..15)	1	l/h
22	Flow rate sensor 14 (bits 16..31)	1	l/h
23	Flow rate sensor 14 (bits 0..15)	1	l/h
24	Flow rate sensor 15 (bits 16..31)	1	l/h
25	Flow rate sensor 15 (bits 0..15)	1	l/h
26	Flow rate sensor 17 (bits 16..31)	1	l/h
27	Flow rate sensor 17 (bits 0..15)	1	l/h
28	Flow rate sensor 18 (bits 16..31)	1	l/h
29	Flow rate sensor 18 (bits 0..15)	1	l/h
30	Flow rate sensor 19 (bits 16..31)	1	l/h
31	Flow rate sensor 19 (bits 0..15)	1	l/h
32	Flow rate sensor 20 (bits 16..31)	1	l/h
33	Flow rate sensor 20 (bits 0..15)	1	l/h
34	Flow rate sensor 21 (bits 16..31)	1	l/h
35	Flow rate sensor 21 (bits 0..15)	1	l/h
36	Pressure sensor 17	0.01	bar
37	Pressure sensor 18	0.01	bar
38	Pressure sensor 19	0.01	bar

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
39	Pressure sensor 20	0.01	bar
40	Pump speed relay 1	1	%
41	Pump speed relay 2	1	%
42	Pump speed relay 3	1	%
43	Pump speed relay 4	1	%
44	Pump speed relay 5	1	%
45	Pump speed relay 6	1	%
46	Pump speed relay 7	1	%
47	Pump speed relay 8	1	%
48	Pump speed relay 9	1	%
49	Pump speed relay 10	1	%
50	Pump speed relay 11	1	%
51	Pump speed relay 12	1	%
52	Pump speed relay 13	1	%
53	Pump speed relay 14	1	%
54	Output A	1	%
55	Output B	1	%
56	Output C	1	%
57	Output D	1	%
58	System date (bits 16..31)	1	
59	System date (bits 0..15)	1	
60	Error mask (bits 16..31)	1	
61	Error mask (bits 0..15)	1	
62	Warning mask (bits 16..31)	1	
63	Warning mask (bits 0..15)	1	
64	Humidity sensor 17	1	%RH
65	Humidity sensor 18	1	%RH
66	Luftfeuchtigkeit Sensor 19	1	%RH
67	Luftfeuchtigkeit Sensor 20	1	%RH
68	HC #1: Flow set temperature	0.1	°C
69	HC #1: Operating state	1	
70	HC #2: Flow set temperature	0.1	°C
71	HC #2: Operating state	1	
72	HC #3: Flow set temperature	0.1	°C
73	HC #3: Operating state	1	
74	HC #4: Flow set temperature	0.1	°C
75	HC #4: Operating state	1	
76	HC #5: Flow set temperature	0.1	°C
77	HC #5: Operating state	1	

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
78	HC #6: Flow set temperature	0.1	°C
79	HC #6: Operating state	1	
80	HC #7: Flow set temperature	0.1	°C
81	HC #7: Operating state	1	
82	WMZ #1Heat quantity (bits 48..63)	1	Wh
83	WMZ #1Heat quantity (bits 32..47)	1	Wh
84	WMZ #1Heat quantity (bits 16..31)	1	Wh
85	WMZ #1Heat quantity (bits 0..15)	1	Wh
86	WMZ #1Heat quantity today (bits 16..31)	1	Wh
87	WMZ #1Heat quantity today (bits 0..15)	1	Wh
88	WMZ #1Heat quantity week (bits 16..31)	1	Wh
89	WMZ #1Heat quantity week (bits 0..15)	1	Wh
90	WMZ #1Heat quantity month (bits 16..31)	1	Wh
91	WMZ #1Heat quantity month (bits 0..15)	1	Wh
92	WMZ #1Volume in total (bits 16..31)	1	l
93	WMZ #1Volume in total (bits 0..15)	1	l
94	WMZ #1Volume today (bits 16..31)	1	l
95	WMZ #1Volume today (bits 0..15)	1	l
96	WMZ #1Volume week (bits 16..31)	1	l
97	WMZ #1Volume week (bits 0..15)	1	l
98	WMZ #1Volume month (bits 16..31)	1	l
99	WMZ #1Volume month (bits 0..15)	1	l
100	WMZ #1Power (bits 16..31)	1	W
101	WMZ #1Power (bits 0..15)	1	W
102	WMZ #2: Heat quantity (bits 48..63)	1	Wh
103	WMZ #2: Heat quantity (bits 32..47)	1	Wh
104	WMZ #2: Heat quantity (bits 16..31)	1	Wh
105	WMZ #2: Heat quantity (bits 0..15)	1	Wh
106	WMZ #2: Heat quantity today (bits 16..31)	1	Wh
107	WMZ #2: Heat quantity today (bits 0..15)	1	Wh
108	WMZ #2: Heat quantity week (bits 16..31)	1	Wh
109	WMZ #2: Heat quantity week (bits 0..15)	1	Wh
110	WMZ #2: Heat quantity month (bits 16..31)	1	Wh
111	WMZ #2: Heat quantity month (bits 0..15)	1	Wh
112	WMZ #2: Volume in total (bits 16..31)	1	l
113	WMZ #2: Volume in total (bits 0..15)	1	l
114	WMZ #2: Volume today (bits 16..31)	1	l
115	WMZ #2: Volume today (bits 0..15)	1	l
116	WMZ #2: Volume week (bits 16..31)	1	l

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
117	WMZ #2: Volume week (bits 0..15)	1	l
118	WMZ #2: Volume month (bits 16..31)	1	l
119	WMZ #2: Volume month (bits 0..15)	1	l
120	WMZ #2: Power (bits 16..31)	1	W
121	WMZ #2: Power (bits 0..15)	1	W
122	WMZ #3: Heat quantity (bits 48..63)	1	Wh
123	WMZ #3: Heat quantity (bits 32..47)	1	Wh
124	WMZ #3: Heat quantity (bits 16..31)	1	Wh
125	WMZ #3: Heat quantity (bits 0..15)	1	Wh
126	WMZ #3: Heat quantity today (bits 16..31)	1	Wh
127	WMZ #3: Heat quantity today (bits 0..15)	1	Wh
128	WMZ #3: Heat quantity week (bits 16..31)	1	Wh
129	WMZ #3: Heat quantity week (bits 0..15)	1	Wh
130	WMZ #3: Heat quantity month (bits 16..31)	1	Wh
131	WMZ #3: Heat quantity month (bits 0..15)	1	Wh
132	WMZ #3: Volume in total (bits 16..31)	1	l
133	WMZ #3: Volume in total (bits 0..15)	1	l
134	WMZ #3: Volume today (bits 16..31)	1	l
135	WMZ #3: Volume today (bits 0..15)	1	l
136	WMZ #3: Volume week (bits 16..31)	1	l
137	WMZ #3: Volume week (bits 0..15)	1	l
138	WMZ #3: Volume month (bits 16..31)	1	l
139	WMZ #3: Volume month (bits 0..15)	1	l
140	WMZ #3: Power (bits 16..31)	1	W
141	WMZ #3: Power (bits 0..15)	1	W
142	WMZ #4: Heat quantity (bits 48..63)	1	Wh
143	WMZ #4: Heat quantity (bits 32..47)	1	Wh
144	WMZ #4: Heat quantity (bits 16..31)	1	Wh
145	WMZ #4: Heat quantity (bits 0..15)	1	Wh
146	WMZ #4: Heat quantity today (bits 16..31)	1	Wh
147	WMZ #4: Heat quantity today (bits 0..15)	1	Wh
148	WMZ #4: Heat quantity week (bits 16..31)	1	Wh
149	WMZ #4: Heat quantity week (bits 0..15)	1	Wh
150	WMZ #4: Heat quantity month (bits 16..31)	1	Wh
151	WMZ #4: Heat quantity month (bits 0..15)	1	Wh
152	WMZ #4: Volume in total (bits 16..31)	1	l
153	WMZ #4: Volume in total (bits 0..15)	1	l
154	WMZ #4: Volume today (bits 16..31)	1	l
155	WMZ #4: Volume today (bits 0..15)	1	l

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
156	WMZ #4: Volume week (bits 16..31)	1	l
157	WMZ #4: Volume week (bits 0..15)	1	l
158	WMZ #4: Volume month (bits 16..31)	1	l
159	WMZ #4: Volume month (bits 0..15)	1	l
160	WMZ #4: Power (bits 16..31)	1	W
161	WMZ #4: Power (bits 0..15)	1	W
162	WMZ #5: Heat quantity (bits 48..63)	1	Wh
163	WMZ #5: Heat quantity (bits 32..47)	1	Wh
164	WMZ #5: Heat quantity (bits 16..31)	1	Wh
165	WMZ #5: Heat quantity (bits 0..15)	1	Wh
166	WMZ #5: Heat quantity today (bits 16..31)	1	Wh
167	WMZ #5: Heat quantity today (bits 0..15)	1	Wh
168	WMZ #5: Heat quantity week (bits 16..31)	1	Wh
169	WMZ #5: Heat quantity week (bits 0..15)	1	Wh
170	WMZ #5: Heat quantity month (bits 16..31)	1	Wh
171	WMZ #5: Heat quantity month (bits 0..15)	1	Wh
172	WMZ #5: Volume in total (bits 16..31)	1	l
173	WMZ #5: Volume in total (bits 0..15)	1	l
174	WMZ #5: Volume today (bits 16..31)	1	l
175	WMZ #5: Volume today (bits 0..15)	1	l
176	WMZ #5: Volume week (bits 16..31)	1	l
177	WMZ #5: Volume week (bits 0..15)	1	l
178	WMZ #5: Volume month (bits 16..31)	1	l
179	WMZ #5: Volume month (bits 0..15)	1	l
180	WMZ #5: Power (bits 16..31)	1	W
181	WMZ #5: Power (bits 0..15)	1	W
182	WMZ #6: Heat quantity (bits 48..63)	1	Wh
183	WMZ #6: Heat quantity (bits 32..47)	1	Wh
184	WMZ #6: Heat quantity (bits 16..31)	1	Wh
185	WMZ #6: Heat quantity (bits 0..15)	1	Wh
186	WMZ #6: Heat quantity today (bits 16..31)	1	Wh
187	WMZ #6: Heat quantity today (bits 0..15)	1	Wh
188	WMZ #6: Heat quantity week (bits 16..31)	1	Wh
189	WMZ #6: Heat quantity week (bits 0..15)	1	Wh
190	WMZ #6: Heat quantity month (bits 16..31)	1	Wh
191	WMZ #6: Heat quantity month (bits 0..15)	1	Wh
192	WMZ #6: Volume in total (bits 16..31)	1	l
193	WMZ #6: Volume in total (bits 0..15)	1	l
194	WMZ #6: Volume today (bits 16..31)	1	l

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
195	WMZ #6: Volume today (bits 0..15)	1	l
196	WMZ #6: Volume week (bits 16..31)	1	l
197	WMZ #6: Volume week (bits 0..15)	1	l
198	WMZ #6: Volume month (bits 16..31)	1	l
199	WMZ #6: Volume month (bits 0..15)	1	l
200	WMZ #6: Power (bits 16..31)	1	W
201	WMZ #6: Power (bits 0..15)	1	W
202	WMZ #7: Heat quantity (bits 48..63)	1	Wh
203	WMZ #7: Heat quantity (bits 32..47)	1	Wh
204	WMZ #7: Heat quantity (bits 16..31)	1	Wh
205	WMZ #7: Heat quantity (bits 0..15)	1	Wh
206	WMZ #7: Heat quantity today (bits 16..31)	1	Wh
207	WMZ #7: Heat quantity today (bits 0..15)	1	Wh
208	WMZ #7: Heat quantity week (bits 16..31)	1	Wh
209	WMZ #7: Heat quantity week (bits 0..15)	1	Wh
210	WMZ #7: Heat quantity month (bits 16..31)	1	Wh
211	WMZ #7: Heat quantity month (bits 0..15)	1	Wh
212	WMZ #7: Volume in total (bits 16..31)	1	l
213	WMZ #7: Volume in total (bits 0..15)	1	l
214	WMZ #7: Volume today (bits 16..31)	1	l
215	WMZ #7: Volume today (bits 0..15)	1	l
216	WMZ #7: Volume week (bits 16..31)	1	l
217	WMZ #7: Volume week (bits 0..15)	1	l
218	WMZ #7: Volume month (bits 16..31)	1	l
219	WMZ #7: Volume month (bits 0..15)	1	l
220	WMZ #7: Power (bits 16..31)	1	W
221	WMZ #7: Power (bits 0..15)	1	W
222	Module #1: Temperature sensor 1	0.1	°C
223	Module #1: Temperature sensor 2	0.1	°C
224	Module #1: Temperature sensor 3	0.1	°C
225	Module #1: Temperature sensor 4	0.1	°C
226	Module #1: Temperature sensor 5	0.1	°C
227	Module #1: Temperature sensor 6	0.1	°C
228	Module #1: Pump speed relay 1	1	%
229	Module #1: Pump speed relay 2	1	%
230	Module #1: Pump speed relay 3	1	%
231	Module #1: Pump speed relay 4	1	%
232	Module #1: Pump speed relay 5	1	%
233	Module #2: Temperature sensor 1	0.1	°C

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
234	Module #2: Temperature sensor 2	0.1	°C
235	Module #2: Temperature sensor 3	0.1	°C
236	Module #2: Temperature sensor 4	0.1	°C
237	Module #2: Temperature sensor 5	0.1	°C
238	Module #2: Temperature sensor 6	0.1	°C
239	Module #2: Pump speed relay 1	1	%
240	Module #2: Pump speed relay 2	1	%
241	Module #2: Pump speed relay 3	1	%
242	Module #2: Pump speed relay 4	1	%
243	Module #2: Pump speed relay 5	1	%
244	Module #3: Temperature sensor 1	0.1	°C
245	Module #3: Temperature sensor 2	0.1	°C
246	Module #3: Temperature sensor 3	0.1	°C
247	Module #3: Temperature sensor 4	0.1	°C
248	Module #3: Temperature sensor 5	0.1	°C
249	Module #3: Temperature sensor 6	0.1	°C
250	Module #3: Pump speed relay 1	1	%
251	Module #3: Pump speed relay 2	1	%
252	Module #3: Pump speed relay 3	1	%
253	Module #3: Pump speed relay 4	1	%
254	Module #3: Pump speed relay 5	1	%
255	Module #4: Temperature sensor 1	0.1	°C
256	Module #4: Temperature sensor 2	0.1	°C
257	Module #4: Temperature sensor 3	0.1	°C
258	Module #4: Temperature sensor 4	0.1	°C
259	Module #4: Temperature sensor 5	0.1	°C
260	Module #4: Temperature sensor 6	0.1	°C
261	Module #4: Pump speed relay 1	1	%
262	Module #4: Pump speed relay 2	1	%
263	Module #4: Pump speed relay 3	1	%
264	Module #4: Pump speed relay 4	1	%
265	Module #4: Pump speed relay 5	1	%
266	Module #5: Temperature sensor 1	0.1	°C
267	Module #5: Temperature sensor 2	0.1	°C
268	Module #5: Temperature sensor 3	0.1	°C
269	Module #5: Temperature sensor 4	0.1	°C
270	Module #5: Temperature sensor 5	0.1	°C
271	Module #5: Temperature sensor 6	0.1	°C
272	Module #5: Pump speed relay 1	1	%

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
273	Module #5: Pump speed relay 2	1	%
274	Module #5: Pump speed relay 3	1	%
275	Module #5: Pump speed relay 4	1	%
276	Module #5: Pump speed relay 5	1	%
277	Impulszähler #1: Zählerstand (bits 16..31)	1	
278	Impulszähler #1: Zählerstand (bits 0..15)	1	
279	Impulszähler #1: Impulsrate (bits 16..31)	1	Imp/h
280	Impulszähler #1: Impulsrate (bits 0..15)	1	Imp/h
281	Impulszähler #1: Zählerstand heute (bits 16..31)	1	
282	Impulszähler #1: Zählerstand heute (bits 0..15)	1	
283	Impulszähler #1: Zählerstand Woche (bits 16..31)	1	
284	Impulszähler #1: Zählerstand Woche (bits 0..15)	1	
285	Impulszähler #1: Zählerstand Monat (bits 16..31)	1	
286	Impulszähler #1: Zählerstand Monat (bits 0..15)	1	
287	Impulszähler #1: Zählerstand Jahr (bits 16..31)	1	
288	Impulszähler #1: Zählerstand Jahr (bits 0..15)	1	
289	Impulszähler #2: Zählerstand (bits 16..31)	1	
290	Impulszähler #2: Zählerstand (bits 0..15)	1	
291	Impulszähler #2: Impulsrate (bits 16..31)	1	Imp/h
292	Impulszähler #2: Impulsrate (bits 0..15)	1	Imp/h
293	Impulszähler #2: Zählerstand heute (bits 16..31)	1	
294	Impulszähler #2: Zählerstand heute (bits 0..15)	1	
295	Impulszähler #2: Zählerstand Woche (bits 16..31)	1	
296	Impulszähler #2: Zählerstand Woche (bits 0..15)	1	
297	Impulszähler #2: Zählerstand Monat (bits 16..31)	1	
298	Impulszähler #2: Zählerstand Monat (bits 0..15)	1	
299	Impulszähler #2: Zählerstand Jahr (bits 16..31)	1	
300	Impulszähler #2: Zählerstand Jahr (bits 0..15)	1	
301	Impulszähler #3: Zählerstand (bits 16..31)	1	
302	Impulszähler #3: Zählerstand (bits 0..15)	1	
303	Impulszähler #3: Impulsrate (bits 16..31)	1	Imp/h
304	Impulszähler #3: Impulsrate (bits 0..15)	1	Imp/h
305	Impulszähler #3: Zählerstand heute (bits 16..31)	1	
306	Impulszähler #3: Zählerstand heute (bits 0..15)	1	
307	Impulszähler #3: Zählerstand Woche (bits 16..31)	1	
308	Impulszähler #3: Zählerstand Woche (bits 0..15)	1	
309	Impulszähler #3: Zählerstand Monat (bits 16..31)	1	
310	Impulszähler #3: Zählerstand Monat (bits 0..15)	1	
311	Impulszähler #3: Zählerstand Jahr (bits 16..31)	1	

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
312	Impulszähler #3: Zählerstand Jahr (bits 0..15)	1	
313	Impulszähler #4: Zählerstand (bits 16..31)	1	
314	Impulszähler #4: Zählerstand (bits 0..15)	1	
315	Impulszähler #4: Impulsrate (bits 16..31)	1	Imp/h
316	Impulszähler #4: Impulsrate (bits 0..15)	1	Imp/h
317	Impulszähler #4: Zählerstand heute (bits 16..31)	1	
318	Impulszähler #4: Zählerstand heute (bits 0..15)	1	
319	Impulszähler #4: Zählerstand Woche (bits 16..31)	1	
320	Impulszähler #4: Zählerstand Woche (bits 0..15)	1	
321	Impulszähler #4: Zählerstand Monat (bits 16..31)	1	
322	Impulszähler #4: Zählerstand Monat (bits 0..15)	1	
323	Impulszähler #4: Zählerstand Jahr (bits 16..31)	1	
324	Impulszähler #4: Zählerstand Jahr (bits 0..15)	1	
325	Impulszähler #5: Zählerstand (bits 16..31)	1	
326	Impulszähler #5: Zählerstand (bits 0..15)	1	
327	Impulszähler #5: Impulsrate (bits 16..31)	1	Imp/h
328	Impulszähler #5: Impulsrate (bits 0..15)	1	Imp/h
329	Impulszähler #5: Zählerstand heute (bits 16..31)	1	
330	Impulszähler #5: Zählerstand heute (bits 0..15)	1	
331	Impulszähler #5: Zählerstand Woche (bits 16..31)	1	
332	Impulszähler #5: Zählerstand Woche (bits 0..15)	1	
333	Impulszähler #5: Zählerstand Monat (bits 16..31)	1	
334	Impulszähler #5: Zählerstand Monat (bits 0..15)	1	
335	Impulszähler #5: Zählerstand Jahr (bits 16..31)	1	
336	Impulszähler #5: Zählerstand Jahr (bits 0..15)	1	
337	Impulszähler #6: Zählerstand (bits 16..31)	1	
338	Impulszähler #6: Zählerstand (bits 0..15)	1	
339	Impulszähler #6: Impulsrate (bits 16..31)	1	Imp/h
340	Impulszähler #6: Impulsrate (bits 0..15)	1	Imp/h
341	Impulszähler #6: Zählerstand heute (bits 16..31)	1	
342	Impulszähler #6: Zählerstand heute (bits 0..15)	1	
343	Impulszähler #6: Zählerstand Woche (bits 16..31)	1	
344	Impulszähler #6: Zählerstand Woche (bits 0..15)	1	
345	Impulszähler #6: Zählerstand Monat (bits 16..31)	1	
346	Impulszähler #6: Zählerstand Monat (bits 0..15)	1	
347	Impulszähler #6: Zählerstand Jahr (bits 16..31)	1	
348	Impulszähler #6: Zählerstand Jahr (bits 0..15)	1	
349	Impulszähler #7: Zählerstand (bits 16..31)	1	
350	Impulszähler #7: Zählerstand (bits 0..15)	1	

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
351	Impulszähler #7: Impulsrate (bits 16..31)	1	Imp/h
352	Impulszähler #7: Impulsrate (bits 0..15)	1	Imp/h
353	Impulszähler #7: Zählerstand heute (bits 16..31)	1	
354	Impulszähler #7: Zählerstand heute (bits 0..15)	1	
355	Impulszähler #7: Zählerstand Woche (bits 16..31)	1	
356	Impulszähler #7: Zählerstand Woche (bits 0..15)	1	
357	Impulszähler #7: Zählerstand Monat (bits 16..31)	1	
358	Impulszähler #7: Zählerstand Monat (bits 0..15)	1	
359	Impulszähler #7: Zählerstand Jahr (bits 16..31)	1	
360	Impulszähler #7: Zählerstand Jahr (bits 0..15)	1	

Holding Registers (Type 4)

No values defined!