

RESOL Modbus/TCP Configuration

Filename: RESOL_DeltaSol_MX_ModbusConfig_1.2.0.cbor
ID: RESOL_DeltaSol_MX
Version: 1.2.0
Build at: 2022-09-21 04:42

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	
14	Warnung: Thermische Desinfektion abgebrochen	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	Humidity sensor 19	1	%RH
67	Humidity 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 #1 Heat quantity (bits 48..63)	1	Wh
83	WMZ #1 Heat quantity (bits 32..47)	1	Wh
84	WMZ #1 Heat quantity (bits 16..31)	1	Wh
85	WMZ #1 Heat quantity (bits 0..15)	1	Wh
86	WMZ #1 Heat quantity today (bits 16..31)	1	Wh
87	WMZ #1 Heat quantity today (bits 0..15)	1	Wh
88	WMZ #1 Heat quantity week (bits 16..31)	1	Wh
89	WMZ #1 Heat quantity week (bits 0..15)	1	Wh
90	WMZ #1 Heat quantity month (bits 16..31)	1	Wh
91	WMZ #1 Heat quantity month (bits 0..15)	1	Wh
92	WMZ #1 Volume in total (bits 16..31)	1	l
93	WMZ #1 Volume in total (bits 0..15)	1	l
94	WMZ #1 Volume today (bits 16..31)	1	l
95	WMZ #1 Volume today (bits 0..15)	1	l
96	WMZ #1 Volume week (bits 16..31)	1	l
97	WMZ #1 Volume week (bits 0..15)	1	l
98	WMZ #1 Volume month (bits 16..31)	1	l
99	WMZ #1 Volume month (bits 0..15)	1	l
100	WMZ #1 Power (bits 16..31)	1	W
101	WMZ #1 Power (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: Counter reading (bits 16..31)	1	
278	Impulszähler #1: Counter reading (bits 0..15)	1	
279	Impulszähler #1: Impulse rate (bits 16..31)	1	Imp/h
280	Impulszähler #1: Impulse rate (bits 0..15)	1	Imp/h
281	Impulszähler #1: Counter reading today (bits 16..31)	1	
282	Impulszähler #1: Counter reading today (bits 0..15)	1	
283	Impulszähler #1: Counter reading week (bits 16..31)	1	
284	Impulszähler #1: Counter reading week (bits 0..15)	1	
285	Impulszähler #1: Counter reading month (bits...	1	
286	Impulszähler #1: Counter reading month (bits 0..15)	1	
287	Impulszähler #1: Counter reading year (bits 16..31)	1	
288	Impulszähler #1: Counter reading year (bits 0..15)	1	
289	Impulszähler #2: Counter reading (bits 16..31)	1	
290	Impulszähler #2: Counter reading (bits 0..15)	1	
291	Impulszähler #2: Impulse rate (bits 16..31)	1	Imp/h
292	Impulszähler #2: Impulse rate (bits 0..15)	1	Imp/h
293	Impulszähler #2: Counter reading today (bits 16..31)	1	
294	Impulszähler #2: Counter reading today (bits 0..15)	1	
295	Impulszähler #2: Counter reading week (bits 16..31)	1	
296	Impulszähler #2: Counter reading week (bits 0..15)	1	
297	Impulszähler #2: Counter reading month (bits...	1	
298	Impulszähler #2: Counter reading month (bits 0..15)	1	
299	Impulszähler #2: Counter reading year (bits 16..31)	1	
300	Impulszähler #2: Counter reading year (bits 0..15)	1	
301	Impulszähler #3: Counter reading (bits 16..31)	1	
302	Impulszähler #3: Counter reading (bits 0..15)	1	
303	Impulszähler #3: Impulse rate (bits 16..31)	1	Imp/h
304	Impulszähler #3: Impulse rate (bits 0..15)	1	Imp/h
305	Impulszähler #3: Counter reading today (bits 16..31)	1	
306	Impulszähler #3: Counter reading today (bits 0..15)	1	
307	Impulszähler #3: Counter reading week (bits 16..31)	1	
308	Impulszähler #3: Counter reading week (bits 0..15)	1	
309	Impulszähler #3: Counter reading month (bits...	1	
310	Impulszähler #3: Counter reading month (bits 0..15)	1	
311	Impulszähler #3: Counter reading year (bits 16..31)	1	

Input Registers (Type 3) cont.

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

Input Registers (Type 3) cont.

Address	Description	Factor	Unit
351	Impulszähler #7: Impulse rate (bits 16..31)	1	Imp/h
352	Impulszähler #7: Impulse rate (bits 0..15)	1	Imp/h
353	Impulszähler #7: Counter reading today (bits 16..31)	1	
354	Impulszähler #7: Counter reading today (bits 0..15)	1	
355	Impulszähler #7: Counter reading week (bits 16..31)	1	
356	Impulszähler #7: Counter reading week (bits 0..15)	1	
357	Impulszähler #7: Counter reading month (bits...	1	
358	Impulszähler #7: Counter reading month (bits 0..15)	1	
359	Impulszähler #7: Counter reading year (bits 16..31)	1	
360	Impulszähler #7: Counter reading year (bits 0..15)	1	

Holding Registers (Type 4)

No values defined!