Tuya device TRV_Thermostatic_Radiator_Valve



Model: SEA801-ZIGBEE

Tuya: Thermostat Tuya Mod: c88teujp

SEA801 TRV Programmable Controller is a stylish and accurate TRV programmable controller has been designed for independent control heating radiators

Chosen for front panel, having no side space: but never needed to look panel!

Few SET dp, PUSH actual temperature every 20-30 min, historical data for the graphs every h.

Power supply: **BAT**Broadcast: **ZigBee**Capabilities: **SET**

Reference: https://www.saswell.com/trv-programmable-controller-sea801_p101.html Infos: https://www.zigbee2mqtt.io/devices/SEA801-Zigbee_SEA802-Zigbee.html

Sellers: https://www.aliexpress.com/item/4000805305958.html

Known Data Points:

8	Open windows sensitivity	WO	boolean	true false = ON OFF	BOOLEANONOFF	
	If ON ignores fast temperature down					
10	Antifreeze	WO	boolean	true false = ON OFF	BOOLEANONOFF	
	Autostart: 5° ON, 8 °C OFF					
27	Actual T offset	WO	int	-6+6 °C		
	To compensate for the error in the actual T measurements					
40	Lock	WO	boolean	true false = ON OFF	BOOLEANONOFF	
	Child lock					
101	Device	WO	boolean	true false = ON OFF	BOOLEANONOFF	
	general ON OFF					
102	Temperature	PUSH	int	50300 = 5.0 30.0 °C	BYTESMALLFLOAT	
	Actual T					
100	Target T	WO	int	50300 = 5.030.0 °C	BYTESMALLFLOAT	
103	Accepts increment of 0.1 (on smartlife app only 0.5)					
105	unknown01	PUSH		0?		
	Found value 0 at 00:00 (rare: battery?)					
106	Away mode	WO	boolean	true false = ON OFF	BOOLEANONOFF	
106	Set target T to 16 °C					
108	Day program	WO	boolean	true false = ON OFF	BOOLEANONOFF	
	If TRUE uses the daily T schedule, otherwise the target T is fixed					
109	unknown02	WO		unknown		
	Unknown behavior: if SET, data as STRUCTARGETEMP, garbage in all day programs !?					



110	Hist. day target T	PUSH	binary	base64(Uint8Array[24]) = [16,16,16,16,16,16,16,16,20,20,20,20,20,	ARRAY8INT		
	PUSHed at HH:00						
112	Hist. week target T	PUSH	binary	base64(Uint8Array[7]) = [18,18,18,18,0,0,0]	ARRAY8INT		
113	Hist. month target T	PUSH	binary	base64(Uint8Array[31]) = [18,18,18,18,18,18,18,18,18,18,18,18,18,1	ARRAY8INT		
	PUSHed ewery 4/5 days, at 00:00						
114	Hist. year target T	PUSH	binary	base64(Uint8Array[12]) = [18,18,18,18,0,0,0,0,0,0,0,0]	ARRAY8INT		
115	Hist. day real T	PUSH	binary	base64(Uint8Array[24]) = [15,14,14,14,13,13,16,18,19,0,0,0	ARRAY8INT		
	PUSHed at HH:00						
116	Hist. week real T	PUSH	binary	base64(Uint8Array[7]) = [17,18,17,18,18,0,0]	ARRAY8INT		
117	Hist. month real T	PUSH	binary	base64(Uint8Array[31]) = [17,16,16,16,17,16,16,17,17,17,16,16,17, 	ARRAY8INT		
	PUSHed ewery 4/5 days, at 00:00						
118	Hist. year real T	PUSH	binary	base64(Uint8Array[12]) = [17,18,18,18,0,0,0,0,0,0,0]	ARRAY8INT		
119	Hist. day % power	PUSH	binary	base64(Uint8Array[24]) = [86,100,100,100,100,95,21,30,85,100,100,63,	ARRAY8INT		
	PUSHed at HH:00 If max < 100: redo 'rESE' valve match.						
120	Hist. week % power	PUSH	binary	base64(Uint8Array[7]) = [80,83,79,0,0,0,0]	ARRAY8INT		
121	Hist. month % power	PUSH	binary	base64(Uint8Array[31]) = [78,71,85,88,76,80,79,76,78,85,90,82,78,67	ARRAY8INT		
	PUSHed ewery 4/5 days, at 00:00						
122	Hist. year % power	PUSH	binary	base64(Uint8Array[12]) = [68,72,0,0,0,0,0,0,0,0,0]	ARRAY8INT		
123	Monday target T	PUSH	binary	base64(Uint8Array[17]) = {"count":4,"changes": [{"time":"06:00","temp":16}, {"time":"10:00","temp":21}, {"time":"13:00","temp":21}, {"time":"23:00","temp":16}]}	STRUCTARGETTEMP		
	PUSHed only on variations by smartlife app.						
124	Tuesday target	PUSH	binary	base64(Uint8Array[17]) =	STRUCTARGETTEMP		
	· · ·		1	l .	1		



	Т			{"count":4,"changes": [{"time":"06:00","temp":16},				
	PUSHed only on variations by smartlife app.							
125	Friday target T	PUSH	binary	base64(Uint8Array[17]) = {"count":4,"changes": [{"time":"06:00","temp":16},	STRUCTARGETTEMP			
126	PUSHed only on variations by smartlife app.							
	Thursday target T	PUSH	binary	base64(Uint8Array[17]) = {"count":4,"changes": [{"time":"06:00","temp":16},	STRUCTARGETTEMP			
127	PUSHed only on variations by smartlife app.							
	Friday target T	PUSH	binary	base64(Uint8Array[17]) = {"count":4,"changes": [{"time":"06:00","temp":16},	STRUCTARGETTEMP			
128	PUSHed only on variations by smartlife app.							
	Saturday target T	PUSH	binary	base64(Uint8Array[17]) = {"count":4,"changes": [{"time":"06:00","temp":16},	STRUCTARGETTEMP			
129	PUSHed only on variations by smartlife app.							
	Sunday target T	PUSH	binary	base64(Uint8Array[17]) = {"count":4,"changes": [{"time":"06:00","temp":16},	STRUCTARGETTEMP			
130	PUSHed only on variations by smartlife app.							
	Water scale proof	WO	boolean	true false = ON OFF	BOOLEANONOFF			
	Forces valve moves every two weeks							

