

Tuya device TRV_Thermostatic_Radiator_Valve



Model: SEA801-ZIGBEE (TRV-Z01-80*)

Tuya: wk

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:

3	Working Condition	RW			
	unknown				
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	Temperature Calibration	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	Switch	WO	boolean	true false = ON OFF	BOOLEANONOFF
	general ON OFF				
102	Temperature	PUSH	int	50..300 = 5.0 .. 30.0 °C	BYTESMALLFLOAT
	Actual T				
103	Target T	WO	int	50..300 = 5.0..30.0 °C	BYTESMALLFLOAT
	Accepts increment of 0.1 (on smartlife app only 0.5)				
104	Heating time	RW			
	unknown				
105	battery level alarm	PUSH		0?	
	Found value 0 at 00:00				

106	Away mode	WO	boolean	true false = ON OFF	BOOLEANONOFF
	<i>Set target T to 16 °C</i>				
107	Programming mode	RW			
	<i>unknown</i>				
108	Day program	WO	boolean	true false = ON OFF	BOOLEANONOFF
	<i>If TRUE uses the daily T schedule, otherwise the target T is fixed</i>				
109	Programming data (obsolete)	WO		unknown	
	<i>obsolete, do not delete</i>				
110	Hist. day target T	PUSH	binary	base64(UInt8Array[24]) = [16,16,16,16,16,16,16,20,20,20,20,20, ...	ARRAY8INT
	<i>PUSHed at HH:00</i>				
111	System time synchronization	RW			
	<i>unknown</i>				
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]) = [18,18,18,18,18,18,18,18,18,18,18,18,18,18,18,18, ...	ARRAY8INT
	<i>PUSHed ewery 4/5 days, at 00:00</i>				
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
	<i>PUSHed at HH:00</i>				
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
	<i>PUSHed ewery 4/5 days, at 00:00</i>				
118	Hist. year real T	PUSH	binary	base64(UInt8Array[12]) = [17,18,18,18,0,0,0,0,0,0,0,0]	ARRAY8INT
119	Hist. day % power	PUSH	binary	base64(UInt8Array[24]) = [86,100,100,100,100,95,21,30,85,100,100,63, ...	ARRAY8INT
	<i>PUSHed at HH:00 If max &#60; 100: redo 'rESE' valve match.</i>				

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]) = [68,72,0,0,0,0,0,0,0,0,0,0]	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 T	PUSH	binary	base64(UInt8Array[17]) = {"count":4,"changes":[{"time":"06:00","temp":16}, ...	STRUCTARGETTEMP
	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
	PUSHed only on variations by smartlife app.				
126	Thursday target T	PUSH	binary	base64(UInt8Array[17]) = {"count":4,"changes":[{"time":"06:00","temp":16}, ...	STRUCTARGETTEMP
	PUSHed only on variations by smartlife app.				
127	Friday target T	PUSH	binary	base64(UInt8Array[17]) = {"count":4,"changes":[{"time":"06:00","temp":16}, ...	STRUCTARGETTEMP
	PUSHed only on variations by smartlife app.				
128	Saturday target T	PUSH	binary	base64(UInt8Array[17]) = {"count":4,"changes":[{"time":"06:00","temp":16}, ...	STRUCTARGETTEMP
	PUSHed only on variations by smartlife app.				
129	Sunday target T	PUSH	binary	base64(UInt8Array[17]) = {"count":4,"changes":[{"time":"06:00","temp":16}, ...	STRUCTARGETTEMP
	PUSHed only on variations by smartlife app.				
130	Water scale proof	WO	boolean	true false = ON OFF	BOOLEANONOFF
	Forces valve moves every two weeks				