

TRV Thermostatic Zigbee Radiator Valve User Manual



Search for " Smart RM or Smart life " Download the Wifi App with the following icon.	- After the Zigbee gateway is configured, enter the gateway to add sub-devices. At the same time, you need to wait for the actuator to be powered on and the system self-check is completed, long press the combination key“” and “” Activate - Please refer to the gateway manual for Zigbee gateway configuration
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Equipment self-check

	First time open thermostat, it displays all icons for 3s
	Time setting: when flashing, then press enter hour setting ,press or to adjust value,press again enter minute setting,press or to adjust value,press again to set week,press or to adjust value,press to confirm setting and remember time. Note: after the actuator completes its self-check,under normal working status,if need to modify time, long press 3s access to advanced settings. And press to choose , short press enter time setting. the same as above method.
	When display “ADA”, press Start system self-check, when display “1”, this is the first step of system self-check.
	When Display “2”, this is the second step for self-check.As shown in the picture, it is the second step of the system self-check. After the self-check is completed, if there is no fault prompt, it will enter the normal working state. If there is a fault prompt, please handle the fault first, otherwise it will not enter the normal working state.
Er1	Motor fault
Er2	Sensor fault
	Flashing show low battery

Technical Data

Power: 3*AA* 1.5V alkaline batteries

Display accuracy:: 0.5°C

Probe sensor:: NTC(10k)1%

Thread size: M30*1.5

Maximum route: 4.5mm

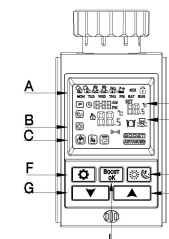
Working temperature:: 0-50°C

Default range of temperature adjustment: 5~35°C

Range of temperature display:: 0~70°C

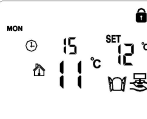
Size(mm): 66*52*100mm

Displays & Buttons



	Explain
A	Auto mode 6 times periods, Low battery icon , Child lock
B	Energy saving mode , Comfort mode
C	Holiday mode,Manual mode,Auto mode,BOOST mode,Advanced Options
D	Clock , Auto mode setting , SET Set temperature
E	Room temperature, Valve status , Open window function
F 	1. Short press to switch Auto mode and Manual mode 2. Long press enter to advanced settings
G 	1. Decreasing Key 2. Long press to activate force close valve (display 【OFF】)
H 	1. Short press to switch Comfort mode and Energy saving mode 2. Long press for 3s to switch set temperature of Energy saving mode or Comfort mode , press or to adjust value
I 	1. Increasing Key 2. Long press to activate force open valve (display OP)
J 	1. Long press 3 seconds to start the BOOST function: turn on the BOOST fast heating mode, short press any key during operation to exit this function and return to the previous working mode 2. When setting other functions, short press is the confirmation key 3. Long press for 3 seconds to lock/unlock keys

Special Function description

Holiday mode 	press  3s access to advanced setting, short press  to choose holiday mode  , then short press  enter temperature setting, again short press  setting days setting, press  or  to adjust value. Under holiday mode, short press  to exit holiday mode.
Open Windows Function 	1. The actuator turns off the window opening function by default, if you need to use it, you can turn it on in the advanced option A2 setting [reset disable when changing the battery] 2. When the actuator detects that the indoor temperature drops quickly to the valve closed setting value (adjustment range: 5°C -25°C), the valve will be closed for 15 minutes (adjustment range: 5-60 minutes), and it will be closed after the window opening function is completed. Return to the previous working mode, but the valve will be fully opened.

Function

Auto mode parameter setting

Long press  about 3s access to advanced setting, short press  switch to auto mode setting , short press  access to auto mode setting short press  to choose which item you want, First set the auto mode to 5 means :5=5+2 days, 6 = 6+1 days, 7 = 7 days, after press  to access to hour or minute setting, short press  access to temperature setting. Press  or  to adjust value.

short press  choose: hour, minute, time period, and press  or  to adjust data, finished setting, about 10 seconds will automatic save and exist.

Period	Default Period	Default temperature
1	AM06:00—AM08:00	20°C
2	AM08:00—AM11:30	15°C
3	AM11:30—PM12:30	15°C
4	PM12:30—PM05:30	15°C
5	PM05:30—PM10:00	20°C
6	PM10:00—AM06:00	15°C

Advanced Options

Press  about 3-5s to access to advanced setting, short press  until **ADVANCED** flashing, press  to access to advanced options, press  or  to adjust value, after finish setting every time, short press  or  to set next option, after finishing all, don't operate, after 10s it will automatically save and exit.

NO	Set up items	Setting parameters	Default
A1	Measuring temperature correction	-9-+9°C (Displayed as the corrected room temperature value)	-1°C
A2	Open window function parameter: temperature and running time	1: display   means disable open window function, press  key display 5°C means this function enable (temperature setting range: 5-25°C) 2: Running time: 5-60min (after enable function, press  change setting)	 
A3	Automatic lock if no operation more than 10 minutes	0: Disable 1: Enable	0
A4	Setting temperature minimum limit	1-15°C	5°C
A5	Setting temperature maximum limit	16-70°C	35°C
A6	BOOST mode running time	100s-900s, Steps of 100 seconds	300
A7	View valve open status	0-100 100 mean valve open 100% 5 mean valve open 5%	
A8	Start/stop working temperature difference setting	0.5-1.5	1
A9	Control type of valve	0: PID 1: Float 2: ON/OFF	0
AA	Reset	When display 88, press  or  change the value to 00, press  to restore the factory settings, and the screen will be fully displayed for 2 seconds.	
AB	Valve Seal Type	0: Soft Seal 1: Hard Seal	0
AC	Descaling function	0: Disable descaling function 1: Enable descaling function	1



RISK OF ELECTRICAL SHOCK

Please arrange professional technician to install the product according to drawings and instructions.
Disconnect power supply before making any connection. Contact with components carrying hazardous

voltage can cause electrical shock.