

# WIFI Zigbee Radiator Actuator User Manual

Many thanks for your selection of our products and services, and also for your trust and support to us.

Search for "Smart RM" or "Smart Life" Download the Wifi App with the following icon



- Add your gateway to the App, then add your radiator actuator to your gateway in the App
- After the actuator has completed self-test, press  about 3s access setting interface, click  or  until  blink and press , press and hold  until  rapidly blink, connection begin.

**Note:** Your smart phone and gateway must be connected to the same wireless router

## Product Specifications

Power: 2\*2 AA\* 1.5V alkaline batteries

Display accuracy: 0.5°C

Probe sensor: NTC(10k)1%

Maximum route: 4.5mm

Default range of temperature adjustment: 5~35°C Maximum current: 90mA

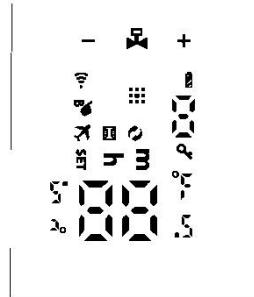
Working environment temperature: -10~60°C Thread size: M30\*1.5

## Displays & Buttons

NO:	Icon
A	
B	
C	
NO:	key
D	

represent

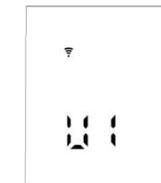
1. short press to set automatic and manual mode.  
2. long press 3s to enter setting interface



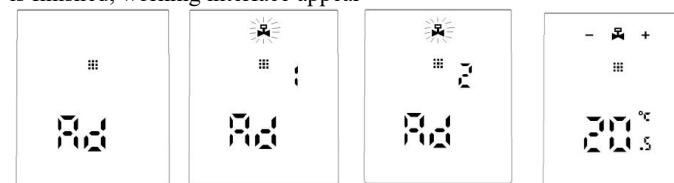
		3.confirm key
E		1. Decreasing key 2. long press it to lock or unlock
F		1. Increasing key 2. long press it into boost mode

## Installation and initial commissioning

Install the actuator with the valve and power-on, all of the icons appear, 3s later display program version NO.



Continuous click  until "Ad" appear, press  again, actuator begin self-testing, self-testing is finished, working interface appear



## Malfunction

error code	description
E1	Route is too short: in the adjustment process, the pin was stuck before it reach the destination of 2mm.
E2	The temperature sensor is open or damaged
	flashing indicates low battery

**Note:** After malfunction is solved, click  to self-test again

## Function description

Mode	Explain
Holiday mode	press # about 3s enter setting interface, click + or - until  blink, then press # to confirm and enter temperature setting, press + or - to adjust value, press # to confirm and enter days setting, press + or - to adjust value. If you want to cancel holiday mode, press #.
Ventilation and energy saving	Ventilation and energy saving function is default off, if you want to open this function, please set in advanced options(The default settings will be restored when the battery is replaced )
BOOST	Press and hold + enter BOOST, pressing any key can cancel BOOST mode.

#### Time setting

Press # about 3s access setting interface, click + or - until   blink, press # to confirm and  appear, press + or - to adjust hour value, press # to confirm and  appear, press + or - to adjust minute value, press # to confirm and number appear, press + or - to adjust week value, press # to confirm.

**Note:When the actuator is connected to network, the time will be automatically update.**

#### Programming mode setting

Press # about 3s access setting interface, click + or - until  blink, press # enter programming, click + until the mode you want blink (5 represent 5+2 days, 6 represent 6+1 days, 7 represent 7 days), press # to enter first time period hour setting, press + or - to adjust value, press # to enter minute setting, press + or - to adjust value, press # to enter temperature setting, press + or - to adjust value, press # to set second time period, thirdly time period .....

After finishing all time period, press # to save and exit. If you exit before finishing all of the setting, don't operate, after 5s it will automatically save and return to working interface.

#### Programmable(default):

period	Default period	Default temperature
1	6:00-8:00	20°C
2	8:00-11:30	15°C
3	11:30—12:30	15°C
4	12:30—17:30	15°C
5	17:30—22:00	20°C
6	22:00—6:00	15°C

#### Advanced options

Press # about 3s to access setting interface, click + or - until  blink, press # to access advanced options, press + or - to change value, press # to set next item, after finishing all, don't operate, after 10s it will automatically save and exit.

Symbol	Setting item	Parameter	default
A1	Measure the temperature correction	-9~+9°C	1°C
A2	Window ventilation function	display --, press + or - to set temperature (temperature limit: 5-25°C), press # to confirm and enter valve closing time setting (closing time limit: 5-60 minute)	1.display -- means close 2.Valve closing time default 15 minute
A3	Automatic lock if no operation more 10 minutes	0: close 1: open	0
A4	The minimum limit of the setting temperature	1-16°C	5°C
A5	The maximum limit of the setting temperature	16-70°C	35°C
A6	Extend BOOST running time, per press + to increase 100s,	100s-900s	300(display 30)
A7	Check valve opening	99 mean valve open 100% 5 mean valve open 5% Each increment is 5%	
A8	Temperature hysteresis start setting	0.5-1.5	1
A9	Display mode	0 vertical display 1 horizontal display	0
AA	Reset	Display 88, using + or - to change to 00, press # to reset, all of the icons appear means reset succeeded	