








# Zigbee WIFI Radiator Actuator User Manual

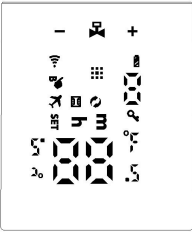
Many thanks for your selection of our products and services, and also for your trust and support to us.




<p>Search for "Smart RM" or "Smart Life" Download the Wifi App with the following icon</p>  <p><b>Note:Cellphone and gateway must connect under the same WIFI router.</b></p>	<p>Add your gateway to the App,then add your radiator actuator to your gateway in the App.</p> <p>After the actuator has completed self-test, long press  access to interface,short press  to choose  icon,short press  to confirm this option,long press  ,  flashing to add thermostat to APP.</p>
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## Product Specifications

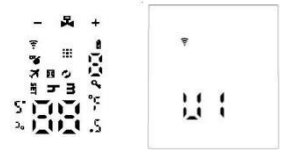
Power: 2* AA alkaline batteries	Insulating condition: Normal environment
Display accuracy: 0.5°C	Running program: Set per 1 week as a cycle
Probe sensor: NTC(10k)1%	Size(mm): 53*89.5mm
Maximum route: 4.5mm	Range of temperature display: 1~70°C
Default range of temperature adjustment: 5~35°C	Maximum current: 90mA
Working environment temperature: -10~60°C	Thread size: M30*1.5















## Displays & Buttons




No.	Icon	
A	Weekly programmable icon;  Low battery;  Children lock;  Open Window function	
B	Holiday mode;  Auto mode;  Boost mode;  WIFI connection status	
C	Time setting interface:  hours setting;  minutes setting	



No.	keys	Represent
D		1.Short press to switch manual mode and auto mode 2.Long press to access setting interface 3.Confirm key
E		1.Decrease key 2.Long press to lock/unlock keys
F		1.Increase Key 2.Long press access Boost function setting

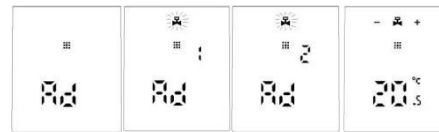
## Installation and initial commissioning

<p>Install the actuator with the valve and power-on , all of the icons appear, 3s later display program version NO.</p>	
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Time setting:   flashing,press  display  hour setting,press  or  to adjust value,press  again display  minutes 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 actuator self-testing,under normal working status,if need to modify time,please choose   and press  access to setting.the same as above method(it will the same as network time after wifi connection)

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














## Malfunction

Error Code	Description
E1	Motor fault
E2	Sensor fault
	Flashing show low battery
	Connect wifi display this icon, disconnected wifi will disappear

**Note: After malfunction is solved press to self-testing again**

## Function description

**Holiday mode:**press  3s access to setting interface, press  or  until  flashing ,then press  to confirm and enter temperature setting, press  or  to adjust value, press  confirm and enter days setting, press  or  to adjust value. If you want to cancel holiday mode, press  to choose manual or auto mode then exit.

**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 **+** access to BOOST, pressing any key to cancel BOOST mode.

### Programming mode setting

Press **⏏** about 3s access to setting interface, short press **+** switch to **🔍**, selected option flashing, short press **⏏** access to programming, press **+** or **-** to choose the mode you want flashing (5 means 5+2 days, 6 means 6+1 days, 7 means 7 days), press **⏏** to access to first period hour setting, press **+** or **-** to adjust value, press **⏏** to access to minute setting, press **+** or **-** to adjust value, press **⏏** access to temperature setting (the first period temperature is 15°C), press **+** or **-** to adjust value, press **⏏** to set second time period, third time period.....

After finishing all time periods, 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.

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 3-5s to access to setting interface, press **+** or **-** until **🔍** flashing, press **⏏** to access to advanced options, press **+** or **-** to change value, press **⏏** to set next option, after finishing all, don't operate, after 10s it will automatically save and exit.

Symbol	Setting item	Parameter	default
A1	Measuring temperature correction	-9.+9°C	1°C accuracy correction
A2	Window ventilation function	1:display <b>- -</b> means close window ventilation function close, press <b>+</b> key display 5°C means this function open (temperature setting range: 5-25°C) 2:Valve closing	1.default of power on is <b>- -</b> means close 2.:display 0:15 means valve closing time 15 minutes

		time:0:05-1:00, timing starts when the valve is fully closed	
A3	Automatic lock if no operation more than 10 minutes	0: close 1: open	0
A4	The minimum limit of the setting temperature	1-15°C	5°C
A5	The maximum limit of the setting temperature	16-70°C	35°C
A6	Extend BOOST running time, increase 100s for press <b>+</b> every time	100s-900s	300 (display 30)
A7	Check valve opening	99 mean valve open 100% 5 mean valve open 5% Each increment is 5%	
A8	Heating start/stop Temperature hysteresis	0.5-1.5	1
A9	Display mode	0:vertical display 1:horizontal display	0
AA	Control type of valve	0: PID 1:ON/OFF	0
AB	Reset	Display 88, using <b>+</b> or <b>-</b> to change to 00, press <b>⏏</b> to reset, all of the icons appear means reset successfully	