

# 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 Life” Download the Wifi App with the following icon



For other languages, please scan the QR code above.  
Support:service@moeshouse.com

- Add your gateway to the App, then add your radiator actuator to your gateway in the App.
- 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.

**Note:** Cellphone and gateway must connect under the same WIFI router.

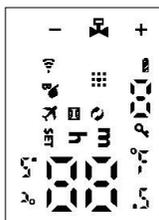
## Product Specifications

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  
Working environment temperature: -10~60°C

Insulating condition: Normal environment  
Running program: Set per 1 week as a cycle  
Size(mm): 53\*89.5  
Range of temperature display: 1~70°C  
Maximum current: 90mA  
Thread size: M30\*1.5

## Displays & Buttons

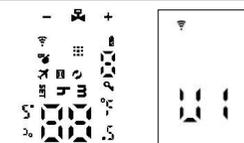
No:	Icon
A	Weekly programmable icon;  Low battery;  Children lock;  Open Window function
B	Holiday mode;  Auto mode;  Boost mode;  WIFI connection status
C	Time setting interface:  hours setting;  minutes setting



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

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

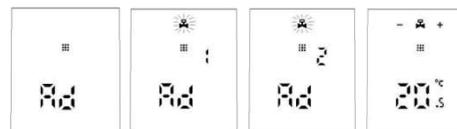


## Time setting

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 be 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	Route is too short: in the adjustment process, the pin was stuck before it reach the destination of 2mm
E2	The temperature sensor is opened or damaged
	Flashing indicates low battery
	Display version No. After power on, long displays means mould works, flashing means mould error.

**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 chose 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 means close window ventilation function close, press key display 5°C means this function open (temperature setting range: 5–25°C)	1.default of power on is means close 2.:display 0:15 means valve closing time 15 minutes

		2:Valve closing 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	1–16°C	5°C
A5	The maximum limit of the setting temperature	16–70°	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	Reset	Display 88, using <b>+</b> or <b>-</b> to hange to 00, press <b>⏏</b> to reset, all of the icons appear means reset successfully	