




# Zigbee Radiator Actuator User Manual









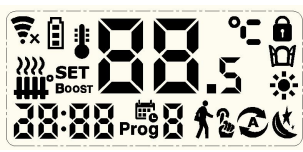
Many thanks for your selection of our products and services, and also for your trust and support to us.




Download "Smart life" or "Smart RM" App from Google play and App store	<p>1. After the ZigBee gateway is configured, enter the gateway to add sub-devices, and wait for the actuator to be powered on and the system self-check is completed.</p> <p>2. long press  and  to active  flashing access network connected mode.</p> <p>Please refer to the gateway manual for Zigbee gateway configuration.</p>
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## Product Specifications

Power: 2* AA alkaline batteries	Insulating condition: 0-50°C
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	 Auto Mode;  Manual mode  Energy saving mode  Low battery;  Children lock; <b>BOOST</b> Boost mode;  Open Window function  Comfort mode <b>Prog</b> Auto mode period  Holiday mode	
	B	










keys	Represent
	<p>1.Short press to switch manual mode and auto mode</p> <p>2.Long press to enter advanced setting</p>
	<p>1.Short press to switch comfort mode and energy saving mode</p> <p>2.Long press for 3 seconds to view valve open status</p>
	<p>1. Short press 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</p>





	<p>previous working mode</p> <p>2. When setting other functions, short press is the confirmation</p> <p>3. Long press for 3 seconds to lock/unlock keys</p>
Rotation	<p>1. Clockwise, the value increases</p> <p>2. Counterclockwise, the value decreases</p>

## Installation and initial commissioning








After power on, the screen will show all for 3 seconds.	
<p>Time setting: when  flashing, then press  enter hour setting, turn the rotation to adjust the value, press  again enter minute setting, turn the rotation to adjust the value, press  again to set week, turn the rotation to adjust the value, press  to confirm setting and remember time.</p> <p>Note: after the actuator completes its self-check, under normal working status, if need to modify time, long press  3s access to advanced setting. And short press  to choose , short press  enter time setting. the same as above method.</p>	
When display "Ad", 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, after finish self-check, 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.	
E1	Motor fault
E2	Sensor fault
	Flashing show low battery

## Special Function description

<b>Holiday mode</b>	<p>Press  3s access to advanced setting, short press  to choose holiday mode , then short press  enter temperature setting, again short press  days setting, turn the rotation to adjust value, then short  enter holiday mode. Under holiday mode, short press  to exit holiday mode.</p>
<b>Open Window Function</b>	<p>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 2 setting [reset disable when changing the battery]</p>
<b>Comfort mode</b>	<p>Press and hold  for 3 seconds to enter the advanced setting, short press </p>





	to switch to the comfort mode ☀️, short press  to enter the comfort mode parameter setting, turn the rotation to adjust value
<b>Energy saving mode</b>	Press and hold  for 3 seconds to enter the advanced setting, short press  to switch to the energy saving mode 🌙, short press  to enter the energy saving mode parameter setting, turn the rotation to adjust value

### Auto mode setting



Long press  about 3s access to advanced setting, short press  switch to auto mode setting **Prog**, 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 again  access to temperature setting, turn the rotation to adjust value. short press  choose: hour,minute, time period, and turn the rotation to adjust value,finished setting, about 10 seconds will automatic save and exist.

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

### Advanced options

Press and hold  for 3-5 seconds to enter the advanced setting, short press  to select the advanced option parameter setting icon **SET**, short press  to enter the advanced option parameter setting, turn the rotation to adjust value, after each parameter is set, short press  to enter the next option setting, all After the setting is completed, the key is not operated for 10 seconds, the parameters are saved and the setting is exited.

No	Item	Setting parameters	default
1	Measuring temperature correction	-9-+9°C (Displayed as the corrected room temperature value)	-1°C
	Open window function	1: display <b>--</b> means disable open window function,rotating the knob clockwise display	<b>--</b>

2	parameter: temperature and running time	5°C means this function enable(temperature setting range: 5-25°C) 2: Running time:5-60min(after enable function, press  change setting)	
3	Automatic lock if no operation more than 10 minutes	0: Disable 1: Enable	0
4	Setting temperature minimum limit	1-15°C	5°C
5	Setting temperature maximum limit	16-70°C	35°C
6	BOOST mode running time	100s-900s , Steps of 100 seconds	300
7	Start/stop working temperature difference setting	0.5-1.5	1
8	Control type of valve	0: PID 1:FLOAT 2:ON/OFF	0
9	Backlight display time	Setting range: 5-10 seconds. When 00 is disable backlight function, the knob clockwise will display 05, indicating that the backlight function has been enable, and the backlight lighting time is 5 seconds;	00
A	Reset	Display 88, Turn the knob clockwise or counterclockwise to change the parameter to 00, press  to reset, The screen will be fully displayed for 2 seconds.	
B	Valve Seal Type	0:Soft Seal 1:Hard Seal	0