







# Zigbee WIFI Radiator Actuator User Manual





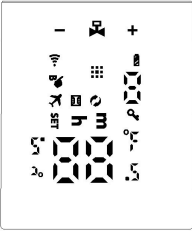







Many thanks for your selection of our products and services, and also for your trust and support to us.



|  |  |
|--|--|
| 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  enter to setting surface ,short press  to choose  icon,short press  to enter network connected mode, then long press ,  flashing access network connected mode.</p> <p>Please refer to the gateway manual for Zigbee gateway configuration.</p> |
|--|--|



## 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                       |





















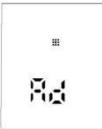
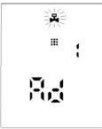
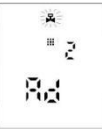


## Displays & Buttons

| No. | Icon  |   |
|-----|---|---|
| A   |  Auto Mode;  Holiday mode;  Boost mode;  Open Window function  |  |
| B   |  Low battery;  Children lock;  Zigbee connection status  Auto mode period<br><b>SET</b> Set temperature/Advanced options  Valve status |   |
| C   | Time setting interface:  hour setting;  minute setting  |   |









| No. | keys  | Represent  |
|-----|---|--|
| D   |  | <p>1.Short press to switch manual mode and auto mode</p> <p>2.Long press to enter advanced settings</p> <p>3.Confirm key</p> |
| E   |  | 1.Decrease key   |

|   |   |  |
|---|---|--|
|   |  | 2.Long press 3s to lock/unlock keys  |
| F |  | <p>1.Increase Key</p> <p>2.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</p> |

## Installation and initial commissioning

|  |   |   |
|--|---|---|
| After power on, the screen will show all for 3 seconds.  |  |  |
| <p>Time setting: when  flashing,then press ,display  enter hour setting ,press  or  to adjust value,press  again display  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.</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 press  to choose  , short press  enter time setting. the same as above method.</p> |   |   |
| <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.</p>   |   |   |
|      |   |   |
| E1   |   | Motor fault   |
| E2   |   | Sensor fault  |
|   |   | Flashing show low battery   |

## Special Function description

|                     |  |
|---------------------|--|
| <b>Holiday mode</b> | press  3s access to advanced settings, 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. |
| <b>Open Window</b>  | 1. The actuator turns off the window opening function by default, if you need to   |

|                 |   |
|-----------------|---|
| <b>Function</b> | use it, you can turn it on in the advanced option 2 setting [reset disable when changing the battery] |
|-----------------|---|

### Auto mode setting

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

| No | Item   | Setting parameters   | default    |
|----|--|--|------------|
| 1  | Measuring temperature correction                             | -9-+9°C (Displayed as the corrected room temperature value)  | -1°C       |
| 2  | Open window function parameter: temperature and running time | 1: display <b>- -</b> means disable open window function,press <b>+</b> key display 5°C means this function enable(temperature setting range: 5-25°C)<br>2: Running time:5-60min(after enable function, press <b>⏏</b> change setting) | <b>- -</b> |
| 3  | Automatic lock if no operation more than 10 minutes          | 0:Disable<br>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   | 300Seconds |
| 7 | View valve open status                            | 0-99<br>99 mean valve open 100%<br>5 mean valve open 5%  |            |
| 8 | Start/stop working temperature difference setting | 0.5-1.5  | 1          |
| 9 | Display mode                                      | 0: Upward display<br>1: Downward display   | 0          |
| A | Control type of valve                             | 0: PID 1:ON/OFF  | 0          |
| B | Reset   | Display 88, using <b>+</b> or <b>-</b> to change to 00, press <b>⏏</b> to reset, The screen will be fully displayed for 2 seconds. |            |