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	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. 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. Please refer to the gateway manual for Zigbee gateway configuration.

Product Specifications

Power: 2* AA alkaline batteries

Insulating condition: 0-50℃

Display accuracy:：0.5℃

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

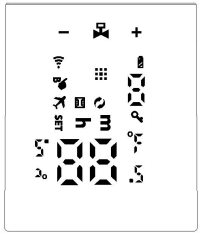
Maximum current：90mA

Working environment temperature:：-10~60°C

Thread size：M30*1.5

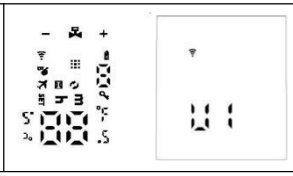
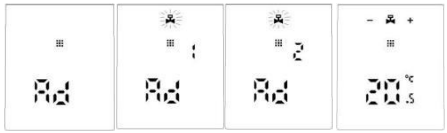
Displays & Buttons

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



No.	keys	Represent
D		1.Short press to switch manual mode and auto mode 2.Long press to enter advanced settings 3.Confirm key
E	−	1.Decrease key
		2.Long press 3s to lock/unlock keys
F	+	1.Increase Key 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

Installation and initial commissioning

After power on, the screen will show all for 3 seconds.	
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. 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.	
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

Holiday mode	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.
Open Window	1. The actuator turns off the window opening function by default, if you need to

Function	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℃
2	8:00-11:30	15℃
3	11:30—12:30	15℃
4	12:30—17:30	15℃
5	17:30—22:00	20℃
6	22:00—6:00	15℃

Advanced options

Press ⠿ about 3-5s to access to advanced settings, short press + until 5 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℃(Displayed as the corrected room temperature value)	-1℃
2	Open window function parameter: temperature and running time	1: display − − means disable open window function,press + key display 5℃ means this function enable(temperature setting range: 5-25℃) 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℃	5℃
5	Setting temperature maximum limit	16-70℃	35℃
6	BOOST mode running time	100s-900s , Steps of 100 seconds	300Seconds
7	View valve open status	0-99 99 mean valve open 100% 5 mean valve open 5%	
8	Start/stop working temperature difference setting	0.5-1.5	1
9	Display mode	0: Upward display 1: Downward display	0
A	Control type of valve	0: PID 1:ON/OFF	0
B	Reset	Display 88, using + or − to change to 00, press ⠿ to reset, The screen will be fully displayed for 2 seconds.	
C	Valve Seal Type	0:Soft Seal 1:Hard Seal	0