

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.
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Product Specifications

Power: 2* AAalkalinebatteries	Working temperature: 0-50℃
Displayaccuracy: 0.5℃	Running program: Set per 1 week as acycle
Probesensor: NTC(10k)1%	Size(mm): 53*89.5mm
Maximumroute: 4.5mm	Range of temperature display: 1~70℃
Default range oftemperatureadjustment: 5~35℃	Maximum current: 90mA
Workingenvironmenttemperature: -10~60℃	Threadsize: M30*1.5

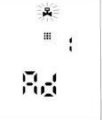
Displays & Buttons

No.	Icon	
A	 Auto Mode;  Holiday mode;  Boost mode;  Open Window function	
B	 Low battery;  Children lock;  Zigbee connection status  Auto mode period  Set 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,thenpress  ,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  tochoose  , short press  entertime 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,shortpress  to choose holiday mode  , then shortpress  entertemperaturesetting, again short press  setting days setting,press  or  to adjust value. Under holiday mode, short press  to exit holiday mode.
Open	1. The actuator turns off the window opening function by default, if you need to

WindowFunction	use it, you can turn it on in the advanced option 2 setting [reset disable when changing the battery]
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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 exist.

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   means disable open window function, press  key display 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 Seconds
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: FLOAT 2: ON/OFF	
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	
D	Descaling function	0: Disable descaling function 1: Enable descaling function	1