








Zigbee WIFI Radiator Actuator User Manual





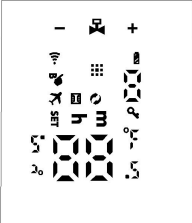







Many thanks for your selection of our products and services, and also for your trust and support to us.


<p>Search for "Smart RM" , Download the App with the following icon</p> 	<p>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. long press  access to setting ,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>
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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;  Low battery;  Children lock;  Open Window function	
B	 Holiday mode;  Boost mode;  WIFI connection status  Auto mode period SET Set temperature/advanced options  Valve 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 3s to lock/unlock keys
F		1.Increase Key 2.Long press 3s access Boost function setting, Press any key during operation to exit this function and return to the original working mode

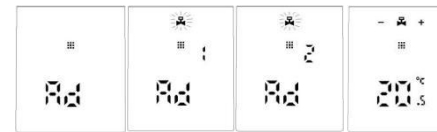
Installation and initial commissioning

<p>After power on, the screen will show all for 3 seconds.</p>	
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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  3s access to setting. And press  to choose  , short press  enter time setting. the same as above method.




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, 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.



Malfunction

Error Code	Description
E1	Motor fault
E2	Sensor fault
	Flashing show low battery

Special Function description

Holiday mode:press  3s access to setting interface, s h o r t press  to choose holiday mode 

then short press **⏏** enter temperature setting, short press **⏏** setting days setting, press **+** or **-** to adjust value, under holiday mode, short press **⏏** to exit holiday mode.

Open Windows Function: 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 A2 setting [reset when changing the battery]
 2. When the actuator detects that the indoor temperature drops quickly to the valve closed setting value (adjustment range: 5°C-25°C), the valve will be closed for 15 minutes (adjustment range: 5-60 minutes), and it will be closed after the window opening function is completed. Return to the original operating mode, but the valve will be fully opened.

Programming mode setting

Press **⏏** about 3s access to setting interface, short press **+** switch to **🔄**, short press **⏏** access to programming, short press **⏏** to choose which item you want, First set the auto mode to 5 means 5+2 days, 6 means 6+1 days, 7 means 7 days), after press **⏏** to access to hours setting, Short press **⏏** access to temperature setting, press **+** or **-** to adjust value.

Automatic mode parameter setting sequence: After finish Auto modem setting(ex:5+2), press **⏏** access to first period hours setting, press **+** or **-** to adjust value.

press **⏏** to access to first period minute setting, press **+** or **-** to adjust value, press **⏏** access to working days first period temperature setting, press **+** or **-** to adjust value, press **⏏** to set second time period, third time period..... from working day to holiday, After setting, do not operate the button for 10 seconds, the setting parameters will be automatically saved and the normal working interface will be returned.

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, 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
A1	Measuring temperature correction	-9-+9°C	1°C accuracy correction
A2	Window ventilation function: Window temperature and window function operating time	1: display - - means close window ventilation function close, press + key display 5°C means this function open (temperature setting range: 5-25°C) 2: operating time: 5-60min (after open function, press ⏏ change setting)	1. default of power on is - - means close
A3	Automatic lock if no operation more than 10 minutes	0: close 1: open	0
A4	The minimum limit of the setting temperature	1-15°C	5°C
A5	The maximum limit of the setting temperature	16-70°C	35°C
A6	BOOST mode operating time	100s-900s, Steps of 100 seconds	300Seconds
A7	Check valve opening	0-99 99 mean valve open 100% 5 mean valve open 5%	
A8	Heating start/stop Temperature hysteresis	0.5-1.5	1
A9	Display mode	0: vertical display 1: horizontal display	0
AA	Control type of valve	0: PID 1: ON/OFF	0

AB	Reset	Display 88, using + or ■ to change to 00, press ⏏ to reset, The screen will be fully displayed for 2 seconds.	
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