RF WIFI Wireless Thermostat User Manual

Download “Smart RM” or “Smart life” app from Google play and app store.

Choose one WIFI matching method of following 2:

● WIFI matching on thermostat: connect to voltage and turn on thermostat,long press for 3-5 seconds, when “OFF” and “” are flashing at the same time, short press to match WIFI when WiFi and cloud icon are blinking together

● WIFI matching on receiver: connect to voltage and turn on receiver, long press receiver “push” button to match WIFI,when flashes quickly blue light is EZ matching mode; when flashing slowly blue light is AP matching mode.

! IP matched before delivery,please confirm thermostat and receiver connected well and is working before matching WIFI.

Blue light on receiver is signal indicator,it is blinking when receive wifi maching signal.

Technical Data

☆ Power: Receiver: 230Vac 50/60HZ Thermostat: USB power supply/4*AAA Batteries

! Pls remove batteries when USB power is working.

☆ Display accuracy: 0.5°C

☆ Probe sensor: NTC(10k)1%

☆ Contact capacity: 5A/250V(WW);16A/250V(WE)

☆ Working environment temperature: 0~70°C

☆ Range of temperature adjustment: 5~35°C

☆ Insulating condition: Normal environment

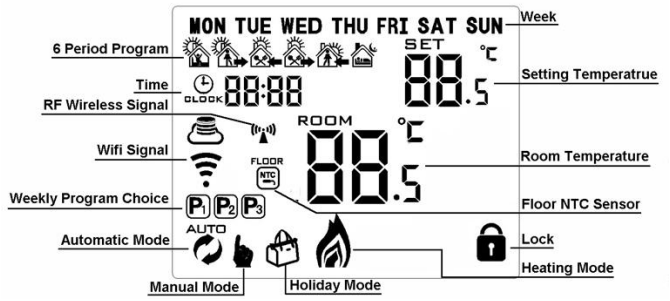
☆ Running program: Set per 1 week as a cycle

☆ Output: Switch relay

☆ Installation: Wall mounted or on battery seat

☆ Size(mm)：130*90*25

Home Screen



Program mode;run preset program

Manual mode

Temporary manual mode

Clock

Holiday mode, Holiday days and temperature can be set to run in countdown mode

Heating,,icon disappears to stop heating

External NTC sensor

WIFI connection, flashing EZ distribution mode

Child lock

: Low power

Wifi status: Disconnection

Cloud icon: flashing AP distribution network mode

RF communication icon: It is always on display when it is normal, and it means communication is abnormal when it is flashing

Quick Operation

NO	Icon	Description
A		Turn ON/OFF
B		1 Short press to switch programming mode and manual mode 2 Power on state, long press for 3-5 seconds to do program mode setting 3 Power off state, long press for 3-5 seconds to do advanced option A
C		1 Confirm key 2 Power off state, long press for 3-5 seconds to do advanced option B 3 Power on state, long press for 3-5 seconds to setting, short press choose holiday mode, then “OFF” will flashing, press ▲ or ▼ change to “ON”, short switch holiday days and holiday temp, then press activate holiday mode.
D	▼	1 Decrease key 2 Long press to lock /unlock keys
E	▲	1 Increase key 2 On program mode state, press ▲, ▼ to enter into temporary manual mode 3 Long press to check external sensor temperature (only used for the receiver with external sensor)

Time Setting

Power on state, press to set minute. Second press to set hour. Third press to set week. Press ▲,▼ to change value. Press again to confirm.

Holiday Mode Setting

Power on state, long press for 3-5 seconds to setting, short press choose holiday mode, then “OFF” will flashing, press ▲ or ▼ change to “ON”, short switch holiday days and holiday temp, then press activate holiday mode.

Program Mode Setting

6 times period setting: 5+2 days(factory default),6+1 days, 7 days

Turn on thermostat, long press “” 3-5 seconds to do Program Mode Setting . Short press “” to switch and confirm. Press “▲” and “▼” to adjust value.After finish setting , stand for about 10 seconds ,it will save setting then exit .

Wake up		Out door		Back home		Out door		Back home		Sleep	
6：00	21℃	8：00	17℃	11：00	21℃	13：30	17℃	17：00	21℃	22：00	17℃

Advanced Option A

Power off state, long press ⠿ for 3-5 seconds to do advanced option A. Short press "⠿" to switch and confirm. Press "▲" and "▼" to adjust options.
After finish setting , stand for about 5 seconds ,it will save setting then exit .

NO	Setting Options	Data Setting Function	Factory Default
A1	Temp Calibration	-9-+9℃ (Displayed as the corrected room temperature value)	-1℃
A2	Start/stop working temperature difference setting	0.5-2.5℃	1℃
A3	Child Lock	0:half lock 1:full lock	0
A4	Power on/off state memory after electricity cut	0:Thermostat on/off with memory when electrify 1:Thermostat off when electrify 2:Thermostat on when electrify	0
A5	Progarm mode type	0: 5+2 1: 6+1 2: 7	0
A6	Setting temperature minimum limit	1-10℃	5℃
A7	Setting temperature maximum limit	20-70℃	35℃
A8	Low temperature protection	1-10°C When setting temp = 10℃, if press ▲ will display 【--】, cancel low temperature protection	5℃
A9	High temperature protection for external sensor	20°C-70°C 1. When setting temp = 20°C, , if press ▼ will display 【--】, cancel high temperature protection	45°C
AA	High temperature protection temperature difference setting	1-9℃	2℃
AB	Window function triggers temperature	10-20°C,setting temperature is 10°C,decrease it ,will display【--】,then canceled this function	--
AC	Window function running time	10-20min	10
AD	Factory defaults	Display Ao, long press ⏲until show the whole screen	

Advanced Option B

Power off state, long press ⏲ for 3-5 seconds to access advanced option B.
short press ⏲ to choose the option, and adjust data by ▼ or ▲,Rrmain about 5 seconds after finish setting will quit setting.

NO	Setting Options	Data Setting Function	Factory Default
B1	IP address high setting	00-FF	00
B2	IP address low setting	01-FF	01
B3	Thermostat and receiver paired	Within 10 seconds after the receiver connection (the orange LED is always on), then continuously clicking the "▲" button of the thermostat, the thermostat will send the IP to the receiver, display"55" means IP match successfully.	00
B4	Sensor type	N1:single built-in sensor N3:both built-in sensor and external sensor.	N1
B5	Minute interval of RF transmission	0-30 minutes	00
B6	Second interval of RF transmission	3-30 seconds	05

! Considering battery usage, RF data updates every 20 minutes. If you wanna shorten interval, pls use USB power and remove batteries. Follow B05, B06 operation.

Return difference : limit valve of external sensor is 45℃ for factory default (A5),value of external sensor control return difference (A3) is 2. when temperature rise to 45℃,then relay stop working and will remind high temperature production alarm. If temperature decline to 43℃relay continue to work and heating alarm will be relieved. (it can be operated ,only when room temperature is lower than setting temperature)

Sensor fault display:please choose correct working way of sensor type, if choose wrongly or sensor fault (breakdown), "E1" or "E2" will be displayed on the screen. Thermostat will stop heating until the fault is eliminated

Description of thermostat data communication:

1. Communication every 20 minutes under normal working conditions
2. On/off will communicate with the receiver once time
3. When the output status is switched, it will communicate with the receiver once.

: It is always on when wireless communication is normal, and it flashes when wireless communication is abnormal.

Receiver Indicator Light

Power indicator (green): Power on receiver, green light always on; turn off receiver, the green light is on for 1 second and off for 1 second.

RF signal indicator (orange): It is always on within 10 seconds after power-on (At this time, you can send the IP address of the thermostat to the receiver to complete the pairing: refer to the advanced option B3). After the pairing is successful, the signal light will be off; or if no pairing is performed within 10 seconds It will automatically turn off; when it is working normally, the light will flash when it receives a wireless signal.

Load/fault indicator (red): In normal operation, the load output is turned on, the light is on, and the load output is off, and the light is off; when there is a fault, it blinks and the alarm is indicated as follows:

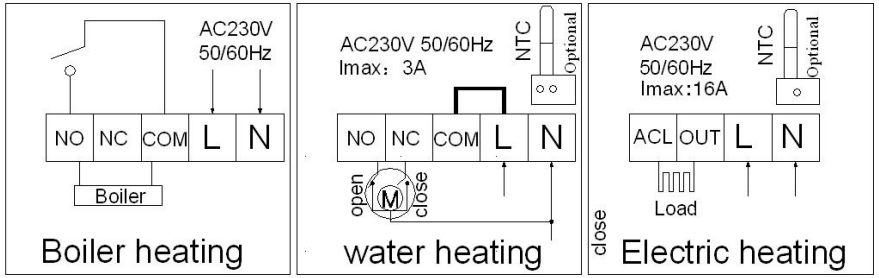
1. The thermostat and the receiver are not paired: flashes 2 times (quick flashes), and the interval is off for 2 seconds

2. Loss of wireless signal (no data communication in 1 hour): flashes 3 times (quick flashes), with an interval of 2 seconds off

3. External sensor alarm: flashes 4 times (quick flashes), with an interval of 2 seconds off**(**only valid when the sensor type is selected as N3 in the advanced options of the thermostat)

WIFI signal indicator (blue): When WIFI data is received, it will flash once; continuous fast flashing means it is in WIFI EZ network configuration mode; continuous slow flashing means it is in WIFI AP network configuration mode; it will always be when the network is successfully configured. On; when the WIFI is abnormal, it will flash twice quickly, and the interval will be off for 2 seconds.

Wiring Diagram



RISK OF ELECTRICAL SHOCK

Please arrange professional technician to install the product according to drawings and instructions.

Disconnect power supply before making any connection. Contact with components carrying hazardous voltage can cause electrical shock.