

# RF WIFI Wireless Thermostat User Manual

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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, 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 blue light is blinking

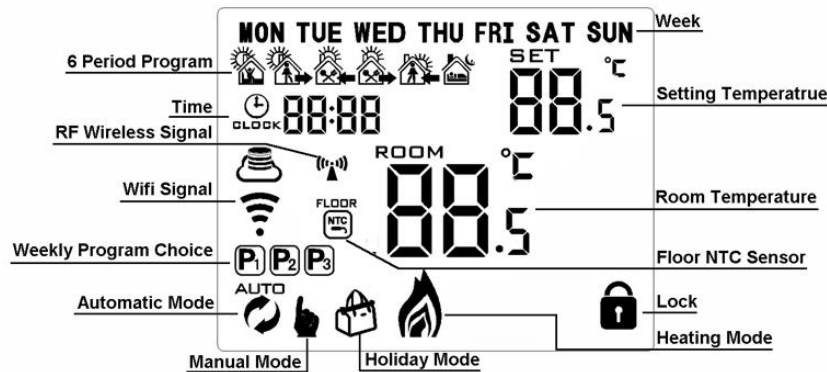
## Technical Data

☆ Power: Receiver: 90-240Vac 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



## Quick Operation

NO	Icon	Description
A		Turn ON/OFF
B		1 Short press  to switch automatic mode and manual mode 2 Power on state, long press  for 3-5 seconds to do programmable setting 3 Power off state, long press  for 3-5 seconds to do advanced setting A
C		1 Confirm key 2 Short press it to set time 3 Holiday mode setting. 4. Power off state, long press  3-5 seconds to do advanced setting B

B		1 Decrease key 2 Long press to lock /unlock
D		1 Increase key 2 Auto mode state, press ,  to enter into temporary manual mode

## 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 do holiday mode setting. Press or to change "OFF" to "ON". Then press to switch days and temperature, press , to change value. Press again to confirm. If you want to close holiday mode, press

## Programmable Mode Setting

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

Long press 3-5 seconds to do Programmable Mode Setting. Short press to switch and confirm. Press and to adjust value.

Power on state, long press 3-5 seconds to enter into first time period then set hour. press and to adjust hour, short press to confirm then set minutes, press and to adjust minutes, press to confirm then enter into temperature setting, press and to adjust value. Pls follow the steps of first time period to set second time period, thirdly time period .....

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°C	8: 00	17°C	11: 00	21°C
		13: 30	17°C	17: 00	21°C
				22: 00	17°C

## Advanced Setting

Power off state, long press for 3-5 seconds to do advanced setting. Short press to switch and confirm. Press and to adjust options.

After finish setting, stand for about 10 seconds, it will save setting then exit.

NO	Setting Options	Data Setting Function	Factory Default
A1	Temp Calibration	-9--+9°C (display current temperature)	-1°C
A2	Hysteresis for inner sensor	0.5-5°C	1°C
A3	Children 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°C
A6	Setting temperature minimum limit	1-10°C	5°C

<b>A7</b>	Setting temperature maximum limit	20-70°C	35°C
<b>A8</b>	Low temperature protection	1-10°C When setting temp = 10°C, if press ▲ will display 【--】 , cancel low temperature protection	5°C
<b>A9</b>	High temperature protection for external sensor	20°C-70°C When setting temp = 20°C, , if press ▼ will display 【--】 , cancel high temperature protection	45°C
<b>AA</b>	Hysteresis for external sensor	1-9°C	2°C
<b>AB</b>	Window function triggers temperature	10-20°C,setting temperature is 10°C,decrease it ,will display 【--】 ,then canceled this function	--
<b>AC</b>	Window function running time	10-20min	10
<b>AD</b>	Reset	Display Ao, long press ⌚ until show the whole screen	
<b>AE</b>	Mode select	0:Heating 1:Cooling	0

## Setting IP code

Power off state, long press ⌚ for 3-5 seconds to do advanced setting. Short press “⌚” to switch and confirm. Press “▲” and “▼” to adjust options.

After finish setting , standing for 10 seconds ,it will save setting then exit .

**! 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.**

<b>NO</b>	<b>Setting Options</b>	<b>Data Setting Function</b>	<b>Factory Default</b>
<b>B1</b>	IP code high setting	00-FF	00
<b>B2</b>	IP code low setting	01-FF	01
<b>B3</b>	Thermostat and receiver paired	Display“55” means IP match successfully. (When receiver is power-on, and orange LED is on ,press thermostat ▲ successively)	00
<b>B4</b>	Sensor state	N1:single built-in sensor N3:both built-in sensor and external sensor.	N1
<b>B05</b>	Minute interval of RF transmission	0-30 minutes	20 min.
<b>B06</b>	Second interval of RF transmission	3-30 seconds(B5=0 IS availd)	30 s

When the setting value of B5 and B6 in the advanced option is less than or equal to 20 minutes, it is recommended to use the USB adapter to supply power. If the battery is used for power supply, the battery life will be greatly shortened.

**Description of hysteresis:** The factory initial high temperature protection is set to 45°C, and the high temperature protection hysteresis is set to 2. When the external sensor detects that the temperature rises above 45°C, the relay will stop output and the thermostat will send out a high

temperature protection alarm; When the sensor detects that the temperature drops below 43°C, the relay will re-output and the alarm will be cancelled. (This function is valid when the relay has output) Please select the internal and external temperature sensor working mode correctly. If the selection is wrong or the sensor is faulty (damaged), the display interface will display "E1" or "E2", and the thermostat will stop heating until the fault is eliminated.

Description of thermostat data communication:

1. Under normal working conditions, communicate with the receiver every 20 minutes.
2. Press the switch button to communicate with the receiver once.
3. When the output status is switched, it will communicate with the receiver once.

📶: Always on when wireless communication is normal, and flashing when wireless communication is abnormal.

## Receiver Indicator Light

**Power indicator (green):** Always on after power-on, and off: green light on for 1 second and off for 1 second.

**RF signal indicator (orange):** always on within 10 seconds of power-on (at this time, the IP address of the thermostat can be sent to the receiver to complete the pairing: refer to the thermostat and receiver pairing options in the advanced options), the pairing is successful After that, the signal light will be off; or if there is no pairing action within 10 seconds, the light will also be automatically turned off; during normal work, the light will flash when a wireless signal is received.

**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 flashes to alarm, and the fault indication is as follows:

1. The thermostat and the receiver are not paired: flashes 2 times (quick flashes), with an interval of 2 seconds off
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 (fast flashes), with an interval of 2 seconds off

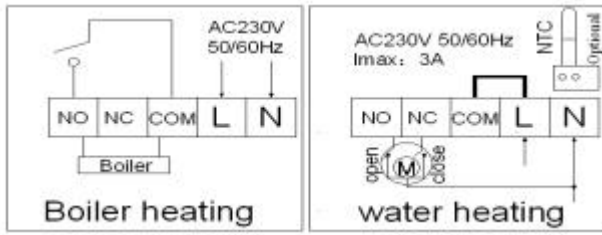
Note: Fault 3 is only valid when the sensor type is selected as N3 in the advanced options of the thermostat.

**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 be often after successful network configuration On for 2 seconds; when the WIFI is abnormal, it will flash twice quickly with an interval of 2 seconds off.

## Receiver RF communication address IP dial setting:

1	2	3	4	IP
OFF	OFF	OFF	OFF	0
OFF	OFF	OFF	ON	1
OFF	OFF	ON	OFF	2
OFF	OFF	ON	ON	3
OFF	ON	OFF	OFF	4
OFF	ON	OFF	ON	5
OFF	ON	ON	OFF	6
OFF	ON	ON	ON	7
ON	OFF	OFF	OFF	8
ON	OFF	OFF	ON	9
ON	OFF	ON	OFF	A
ON	OFF	ON	ON	B
ON	ON	OFF	OFF	C
ON	ON	OFF	ON	D
ON	ON	ON	OFF	E
ON	ON	ON	ON	F

## Wiring Diagram



## Installation

