

Zigbee Digital Heating Thermostat



User Manual

Read this manual thoroughly before using and save it for future reference

Features

- (A) High resolution TFT IPS 480*480 screen
- (B) 0.5°C accuracy keeps temperature within the level you set.
- (C) Children lock to prevent misoperation by children
- (D) Data memory when power is off.
- (E) Holiday mode make you enjoy more comfortable temperature in holiday
- (F) The temperature of external sensor can be checked

Product Specifications

Power: 90-240Vac 50/60Hz
 Display accuracy: 0.5°C
 Probe sensor: NTC(10k)1%
 Contact capacity: 3A(WW);16A(WE)
 Limit temperature range: 1~70°C
 Range of temperature adjustment: 5~35°C
 Range of temperature display: 1~70°C
 Insulating condition: Normal environment
 Running program: Set per 1 week as a cycle
 Output: Switch relay
 Installation: recessed type (in the wall)
 Size(mm): 86*86*15mm

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Displays



- ⌚ Programming mode
- ⏸ Manual mode
- ⌚ Temporary manual mode
- 🔒 Child lock
- 📅 Holiday mode, Holiday days and temperature can be set to run in countdown mode
- 🔥 Heating, icon disappears to stop heating
- 🕒 Clock
- 🪟 Activate window function
- ↶ return to last menu
- ⚠ Fault alarm (the specific alarm cause can be inquired on the "Information" page)

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Operation key

| NO | symbols | represent |
|----|---------|--|
| A | ⏻ | Turn ON/OFF: Short press to turn on/ turn off |
| B | ⏴ | 1 Short press to reduce temp 2 in program mode ,short press to switch temporary manual mode 3 Long press to unlock |
| C | ⏵ | 1 Short press to increase temp 2 in program mode ,short press to switch temporary manual mode |
| D | ⚙ | Short press to enter "Information/General /Advanced /Programming" setting |

Menu function settings

Information --General --Advanced--Programming Parameters you should fill in password (123456) when you enter them each time.(you can change it in advanced option

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Return difference:

limit valve of external sensor is 45°C for factory default (A6), value of external sensor control return difference (A3) is 2. when temperature rise to 45°C, then relay stop working and will remind high temperature production alarm. If temperature decline to 43°C relay continue to work and heating alarm will be relieved. (it can be operated ,only when room temperature is lower than setting temperature)

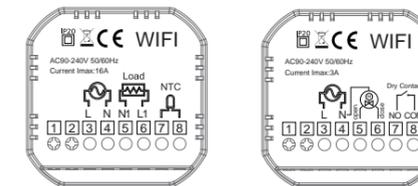
Sensor fault display:

please choose correct working way of built-in and external sensor, if choose wrongly or sensor fault (breakdown), sensor error will be displayed on the screen. Thermostat will stop heating until the fault is eliminated

Warranty:

We offer the warranty of 24 months, from the sales day. The products of our company can have lifetime warranty ,if it is not the quality problems, or beyond the warranty period, we will charge for the after-sales service.

Wiring Diagram



Note: In WW products ,if the valve has not been switched on for 100 hours ,the valve will be forced open for 3 minutes

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1 Information

| Item | Parameter (can't change) |
|-------------------------------|--|
| Current temperature | |
| External temperature (option) | |
| Current humidity (option) | |
| Local temperature (option) | |
| Local humidity (option) | |
| Heating hours of the week | Open load time this week |
| Heating hour this month | Open load time this month |
| Total heating hour | Open load total time since thermostat is working |
| Network Status | |
| Alarm fault type | |

2 Genera

| Item | Parameter | default |
|--------------------|---------------------------------------|---------|
| Setting time | Year-month-day-week-hour-minute | |
| Screen brightness | 1-9 | 9 |
| Standby screen | Screen on/ off | off |
| Lock | Yes/ no | No |
| Mode setting | Manual,programming ,holiday | manual |
| Network connect | Yes/ No | No |
| Language selection | English/German/Spanish/Polish/Italian | English |

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3 Advanced

| Item | Parameter | Default |
|---|---|-----------|
| Temperature compensation | -9~+9 | -1 |
| Start temperature hysteresis | 0.5~2.5 | 1 |
| External sensor protection temperature hysteresis | 1~9 | 2 |
| High temperature protection value | 20-70 | 45 |
| Low temperature protection value | 1-10 | 5 |
| Set the upper temperature limit | 20-70 | 35 |
| Set the lower temperature limit | 1-10 | 5 |
| Password setting | | 123456 |
| Child lock | Half lock ,full lock | Half lock |
| Sensor type | Built in /external /internal and external | Built in |
| Window opening setting time | 1-60 min | 10 |
| Window opening setting temperature | 1-10 | 10 |
| Holiday mode time | 1-30 days | 1 |
| Holiday mode temperature | 5-35 | 15 |
| Reset | Yes/No | No |
| Heating time clear | Yes/No | No |

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4 Programming parameters

| Item | Parameter | default |
|------------------|----------------|---------|
| Programming type | 5+2/6+1/7 days | 5+2 |

Default of programming parameter

| section | period | Temperature (default) |
|-----------|-------------|-----------------------|
| Section 1 | 06:00-08:00 | 20 |
| Section 2 | 08:00-11:30 | 15 |
| Section 3 | 11:30-13:30 | 15 |
| Section 4 | 13:30-17:00 | 15 |
| Section 5 | 17:00-22:00 | 15 |
| Section 6 | 22:00-06:00 | 15 |

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ABOUT ZIGBEE

Preparation required for ZIGBEE Connection:

A 4G mobile phone and router, reconnect the router on the mobile phone WLAN interface, and record the WIFI password [need to be used when the thermostat is paired with the Wifi. Note: WiFi from router must be 2.4G, 4G WiFi from the other mobile phone hotspot also works, 5G router WiFi can't work.

1. Download the App and register your account

Search for "Smart RM" or "Smart Life" or "Tuya smart" to download the App, then register your account

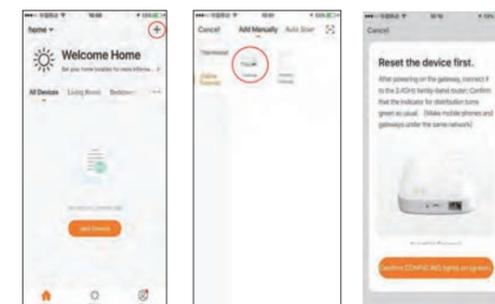


2. After the ZigBee gateway is configured, enter the gateway to add sub-devices, and wait for the actuator to be powered on and the system self-check is completed.
3. Turn on the thermostat, press and hold the key combination "General" and "Network connect" Activate Zigbee distribution network icon

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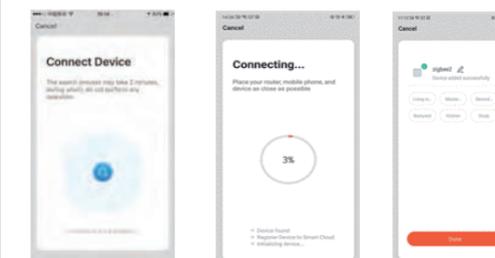
4. Wired gateway connections:

Note: Make sure of wired network connected by your smart phone WIFI and wired Zigbee gateway must in the same router Press and hold gateway button for 10S, make sure the two indicators are always on. (More detail instructions refer to the gateway manual)



- Click the in App
- Select the gateway
- Confirm CONFIG IND light on (green) the upper right corner

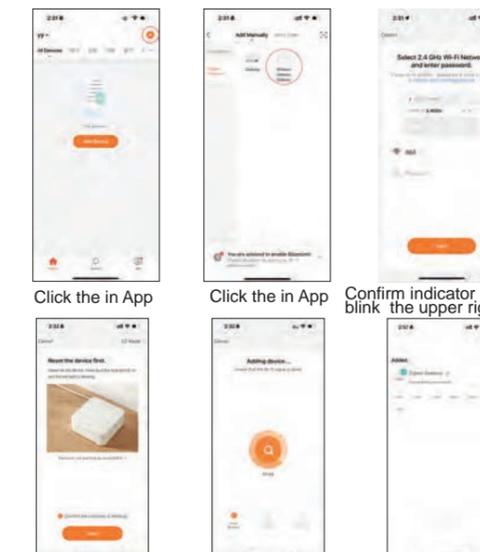
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- Connect device
- Connecting
- Done

5. Wireless gateway connections:

Note: Make sure of your smart phone and gateway are connected to the same wireless router. Press and hold wireless gateway button for 10S, make sure the two indicators are always on. (More detail instructions refer to the gateway manual)



- Click the in App
- Click the in App
- Confirm indicator rapidly blink the upper right corner

- Enter Wi-Fi password and confirm (Make sure of the password is right)
- Connecting
- Done

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