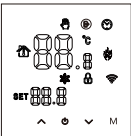


M3 Series Thermostat User Guide



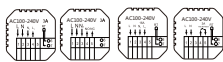
This thermostat is used for water heating, electric heating, or gas boiler.

Thermostat User Guide

User Instructions

1. Read this manual carefully. A general operation may damage the product or cause a danger (see "Warnings").
2. The installation personnel must be well-trained and experienced service technicians.
3. After the installation is complete, please check this manual carefully and operate this product as following the user guide. Note: There is a risk of electric shock or equipment damage.

Wiring Diagram



Thermostat User Guide

Operation Guide

1. Press and hold the **Q** key to turn on/off the thermostat.
2. Press the **M** key to switch between manual/automatic modes.
3. Continuously press and hold the **Q** key for 5 seconds to call or cancel the child lock.

A: Child lock. When the thermostat is turned on, press and hold the up button for 5 seconds, the WiFi icon flashes on the thermostat display, and the thermostat enters the code matching state.

Thermostat User Guide

Welcome

Thank you for your trust and support! We have adopted advanced technology and perfect craftsmanship so that your new thermostat will provide you with a stable temperature environment every day in the future. It makes your life more pleasant and artistic and making your living environment more fashionable and artistic.

For detailed instructions on installing and using this thermostat, please read this manual carefully. Please get in touch with a professional to install the thermostat for you. Besides, please install and use this product within the scope of the list.

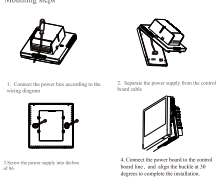
Application

The intelligent digital thermostat controller is a flow heating system suitable for room temperature control and household temperature control. It controls the operating status of the flow heating equipment by sensing the comparison between the ambient temperature and the set temperature. While ensuring comfort, it achieves the purpose of energy saving.

The digital thermostat adopts microcomputer control technology and has an elegant design, and is easy to use. Moreover, it has manual and automatic functions, programmable functions, and time memory functions.

Thermostat User Guide

Mounting steps



1. Connect the power line according to the wiring diagram.

2. Separate the power supply from the control board cable.

3. Connect the power supply line to the control board line, and align the bracket at 90 degrees to complete the installation.

Thermostat User Guide

Time programming instructions

Options	Item	Time	Time Adjustment	Temperature Adjustment
Working day	1	06:00	▲	20°C
	2	08:00	▲	18°C
	3	11:00	▲	18°C
	4	12:00	▲	18°C
Holiday	1	17:00	▲	18°C
	2	20:00	▲	18°C
	3	08:00	▲	20°C
	4	20:00	▲	18°C

Thermostat User Guide

Product packaging

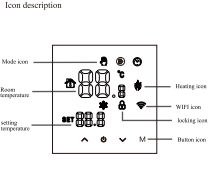
- Thermostat box (1) 1. Thermostat (1)
Cable of mounting (1) 2. User manual (1)
Battery (in thermostat) (1) 3. Screws (4)

Technical Indicator

1. Temperature sensor: NTC
2. Temperature accuracy: ±0.5°C
3. Display screen: LED
4. Working environment: -10~50°C
5. Self-heating power: 10W
6. Response time: 10~60s
7. Display range: 16~32°C
8. Load capacity: water heater 30L
9. Voltage: AC220V-240V, 50/60Hz
10. Installation: indoor/outdoor

Thermostat User Guide

Icon description



Thermostat User Guide

Advanced Option Setting

In the thermostat user guide, the M key and Q key are used to enter the advanced option setting.

Press the M key to enter the advanced option setting. Press the Q key to enter the advanced option setting.

Item	Description
01	Temperature sensor type: NTC (Normal Temperature Coefficient) or PT100 (Platinum Temperature Coefficient)
02	Temperature accuracy: ±0.5°C or ±1°C
03	Working environment: -10~50°C or -20~60°C
04	Self-heating power: 10W or 20W
05	Response time: 10~60s or 10~120s
06	Display range: 16~32°C or 16~40°C
07	Load capacity: water heater 30L or 50L
08	Voltage: AC220V-240V, 50/60Hz or AC110V-120V, 50/60Hz
09	Installation: indoor/outdoor or outdoor/indoor
10	Temperature sensor type: NTC (Normal Temperature Coefficient) or PT100 (Platinum Temperature Coefficient)
11	Temperature accuracy: ±0.5°C or ±1°C
12	Working environment: -10~50°C or -20~60°C
13	Self-heating power: 10W or 20W
14	Response time: 10~60s or 10~120s
15	Display range: 16~32°C or 16~40°C
16	Load capacity: water heater 30L or 50L
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18	Installation: indoor/outdoor or outdoor/indoor
19	Temperature sensor type: NTC (Normal Temperature Coefficient) or PT100 (Platinum Temperature Coefficient)
20	Temperature accuracy: ±0.5°C or ±1°C
21	Working environment: -10~50°C or -20~60°C
22	Self-heating power: 10W or 20W
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97	Load capacity: water heater 30L or 50L
98	Voltage: AC220V-240V, 50/60Hz or AC110V-120V, 50/60Hz
99	Installation: indoor/outdoor or outdoor/indoor
100	Temperature sensor type: NTC (Normal Temperature Coefficient) or PT100 (Platinum Temperature Coefficient)

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About WIFI connection

Before using the WIFI temperature controller for the first time, you must set the WIFI network name and password on your smartphone or tablet, which will allow communication between your smartphone and the thermostat.

WIFI connection: When the thermostat is turned on, press and hold the up button for 5 seconds, the WIFI icon flashes on the thermostat display, and the thermostat enters the code matching state.

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2. Add device

1. Officially connect the thermostat to the mobile phone. Then, turn the device on, and enter the Tuya APP Click "Add Device" or "+" on the top right of the APP homepage, and enter the "M3 thermostat" in the search bar. Then the device will be added (Figure 2) and follow the prompts.

2. "Manual discovery" Search for the device in the list, and add the device as prompted in the following steps.



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If the network configuration fails, the APP will display the page as shown in the figure below, and you can choose to add it again or view the help.

Note: Please confirm whether the thermostat enters the code matching state if the connection fails.



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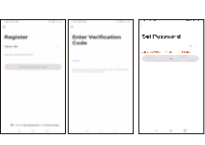
2. Register an account

If you do not have an APP account, you can choose to register or log in via SMS verification code. Click "Create New Account" to enter the privacy policy page of Tuya Smart Platform. After clicking Agree, you will formally join the registration page of your mobile phone number.



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The system automatically determines the current country/region, or you can manually select the country/region, enter your phone number or email address, and click "Get the Verification Code." Enter the received verification code. Then enter the password. Click "Finish" to register successfully.



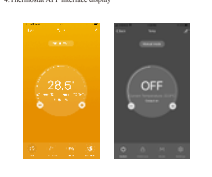
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In this case, the APP for the network configuration process is shown in Figure 1, and the network configuration successfully displays the interface shown in Figure 2. The device name will be displayed in the device configuration list on the right, and the device name can be selected.



Thermostat User Guide

4. Thermostat APP interface display



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.