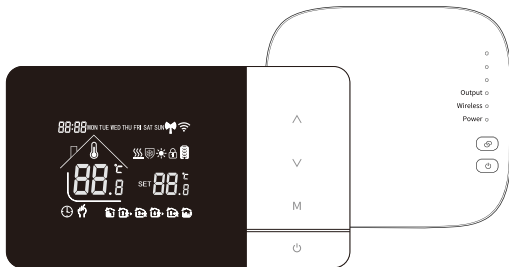


BOT-506 Wireless Thermostat User Guide



■ Application

The wireless intelligent one - to - one temperature controller for underfloor heating systems controls gas - fired wall - hung boilers and electric valves. It compares ambient and set temperatures to regulate the ambient temperature, ensuring comfort and energy savings.

■ Electrical specifications

| | |
|--------------------------|-----------------------------|
| Equipment power supply | Three AAA batteries |
| Protection Level | IP20 |
| Temperature sensor | NTC |
| temperature precision | $\pm 1^{\circ}\text{C}$ |
| Load current | 3A (resistive) |
| Self - consumption power | less than 170 μW |

■ Instructions

⏻ ON/OFF key: Press once to power on, press again to power off and close all valves.

M Mode Conversion Key: Press M to switch working modes when powered on.

🔧 Manual mode: means non-programmable mode.

The thermostat runs according to the temperature you set manually.

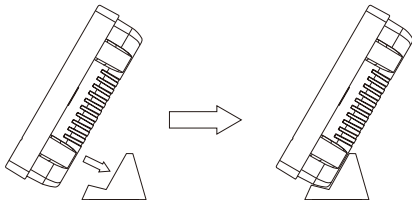
🕒 Auto mode: the thermostat will run automatically according to the programme you set up.

🕒 🔧 Temporary Mode: If the set temperature is manually adjusted while in automatic mode, the thermostat enters temporary mode. It will run according to your manual settings and resume programming mode at the next programming time point.

^v Adjustment keys: Press ^ or v to adjust set temperature and other parameters when powered on.

Child Lock Function: When powered on, long - press ^ and v for 5s. Once a lock icon shows up on the right of the display, the keys are locked.

■ Panel bracket



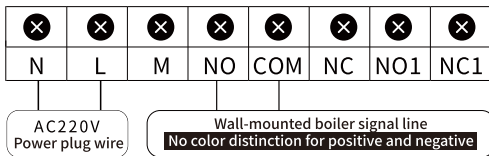
1. Connect the magnetic base to the panel.

2. After connecting, it can be placed on a desktop, etc.

■ Wiring diagram



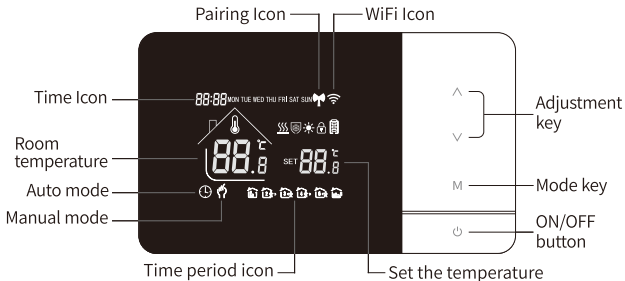
No live wiring. Keep all wire ends concealed.



| Terminal block | Controlling device | Wiring Instructions |
|----------------|-------------------------------------|----------------------|
| NO1 | Normally - Closed Electric Actuator | Connect to NO1 and N |
| NC1 | Normally - Open Electric Actuator | Connect to NC1 and N |
| M | External Circulation Pump < 5A | Connect to M and N |

Note: As some circuits of this product involve high - voltage electricity, installation should be carried out by professionals.

■ Explanation of Equipment Icons



 Output Icon

Anti-freeze function

 Cooling icon







 Heating Icon

Child Lock Icon

 Battery Icon

■ Advanced Device Option Settings

In **power-on** state, long press **M** to enter advanced setting.
Press **^** or **v** to select the parameter to be adjusted, press **M** to enter, press **^** or **v** to select the required parameter, press **M** to confirm and exit.

| Display | Function | Setting And Options | Default | |
|--|---|--|---|---|
|  | select heating or cooling mode |  heating  cooling |  heating | press M to enter, press ^ or v to select the required parameter, press M to confirm and exit. |
|  | press M to enter advanced option setting | | | |
| 1 | temperature calibration | -9.9°C~+9.9°C | 0°C | press ^ or v to select the required parameter, press  to confirm and exit. |
| Calibration when the room temperature displayed by the thermostat does not match the actual room temperature | | | | |

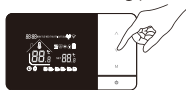
| | | | | |
|--|------------------------|--|------|---|
| 2 | temperature hysteresis | 0.5°C~10°C | 1°C | press \wedge or \vee to select the required parameter, press ON to confirm and exit. |
| When 1° C is selected and the set temp. is 21°C, the thermostat will start heating when the room temp. is 20°C and stop heating when the room temp. reaches 22°C (the opposite is true for cooling). | | | | |
| 3 | frost protection | ON:turn on this function OFF:turn off this function | ON | press \wedge or \vee to select the required parameter, press ON to confirm and exit. |
| 4 | Max value of set temp. | 15°C~60°C | 35°C | |
| 5 | key sound | ON:turn on OFF:turn off | ON | |
| 6 | Reset | | - | long press M key until thermostat shows "---" and the reset is complete. |
| PR □ Daily programme schedule time points and temperature settings | | | | |
| Refer to the Daily Programmable section for more information on how to do this. | | | | |
| CL □ Adjustment of clocks and days of the week | | | | |
| Press \wedge or \vee to adjust when the character jumps, press M to switch between minutes, hours and days of the week. | | | | |

■ Device Pairing and Connection Settings

1. With the device powered on, long press the pairing key on the receiving panel until its signal light starts to flash.

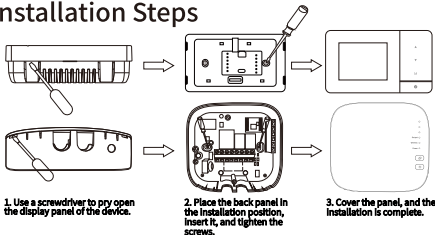


2. Long press the ∇ key on the transmitting panel until the signal light on the receiving panel stops flashing.



3. In heating mode, set the temperature above room temperature. If the device sends a signal and all three indicator lights on the receiving panel are lit, the pairing is successful.

■ Installation Steps



WIFI Connection

Preparation before Wi-Fi connection
APP download and account registration:

1. Download APP

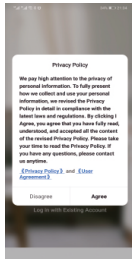
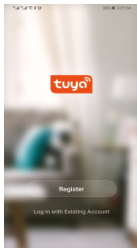
Search for "Tuya Smart" in App market or scan below QR Code to download.



2.Register Account

If you don't have an APP account yet, you can choose to register or log in via SMS verification code. Click "Create a new account",you will enter the Privacy page of Tuya Smart Platform

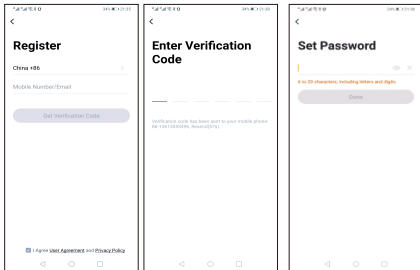
After you click Agree, you will formally join the registration page of your mobile phone number.



The system automatically determines the current country/region. You can also select the country/region manually.

After entering your mobile phone number or email address click "get verification code"

Enter the received verification code then enter the password and click "finish" to register successfully



WiFi connection

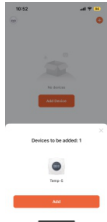
1. Turn on your mobile phones Bluetooth and WiFi (please make sure your mobile phone connect to **2.4Ghz** Wi-Fi).

2. Activate the thermostat WiFi module: When the thermostat is turned on, press and hold the \wedge button for 5 seconds, the WiFi icon flashes on the thermostat display, and the thermostat enters the code matching state

3. Add Device

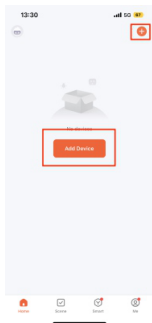
There are 3 ways to add a device

Method 1. Enter the Tuya APP. The main page automatically pops up "Device to be added" (as picture 1) and click "Add".

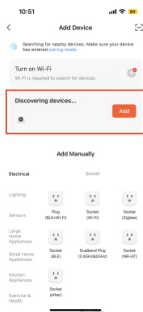


picture 1

Method 2: Enter the Tuya APP,Click "Add Device" or "+"(as picture 2) on the upper right corner of the APP homepage,and enter the "Add Device" interface.It will prompt: find the device to be added (as picture 3) and follow the prompts.



picture 2



picture 3

Method 3: Enter the Tuya APP, Click "+" on the upper right corner of the APP homepage, Find the temperature control product (Bluetooth + WIFI model) in the (small household appliance) (as picture 4)

As picture 5 ignore the content of the page and tap **Next**

As picture 6 ignore the content of the page and click **Next**

As picture 7 tick confirm the indicator is blinking click **Next**



picture 4



picture 5



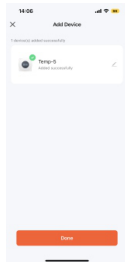
picture 6



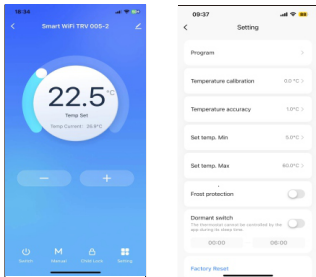
picture 7

4.Enter Wi-Fi information

Enter the name and password of the **2.4Ghz Wi-Fi** (please make sure that the Wi-Fi name and password contain only numbers and letters and not special symbols) Follow the prompts to the next step, you can see the device is being added, and after a few seconds, you will see that the device is added successfully (the length of time will depend on the strength of the wifi signal).



Display of temperature controller APP interface



If you encounter any problems during the use of the product, please feel free to contact us through the purchase platform, we will try our best to help you.

Daily Programmable

You can set different temperature changes for each day of the week to fit your schedule. The room temperature will change automatically when Auto Mode is turned on.

There are 6 individually programmable periods for each day of the 7-day week.







We've built in a default 7-day programming for you (the table on the right), you can change the settings directly on the thermostat or in the app.



23:59

Please note: the latest time to set the setting is 23:59

Default Programming

| | Period | Temperature |
|---|--------|-------------|
|  | 06:00 | 20°C |
|  | 08:00 | 16°C |
|  | 11:30 | 16°C |
|  | 12:30 | 16°C |
|  | 17:00 | 22°C |
|  | 22:00 | 16°C |

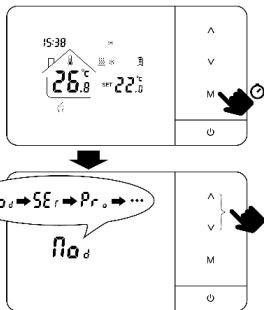
Modify the programming on the thermostat:

1 Enter the high level settings

In the on state, press and hold the M button until the word "Nod" appears on the screen.

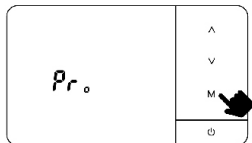
2 Select "programming"

Tap the up and down buttons to switch between programs until the word "Pro" (short for Program) appears.



3 Enter “programming”

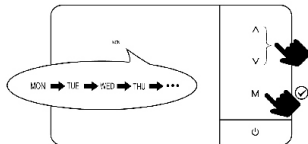
Tap the M button to enter daily programming.



4 Select the day of the week

The screen displays “Mon”, i.e. Monday. Press the up and down keys to change the day of the week.

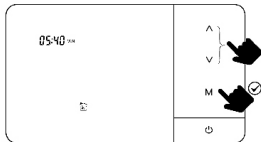
Tap the M key to confirm and enter the start time modification.



5 *Modifying the Start Time*

Tap the up and down keys to modify the start time of the period.

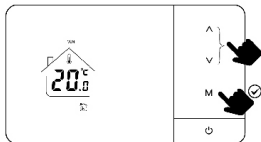
Tap the M button to confirm and enter the modification of the temperature for the time period.



6 *Modifying the Temperature*

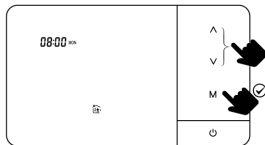
Tap the up and down keys to change the temperature of the period.

Tap the M key to confirm and go to the modification of the start time of the next time period.



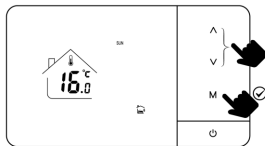
7 *Modify the start time of the next time period*

Continue in this way until the 6 time periods of the day have been set. Tap M to confirm and you can enter the next day's setting until all 7 days are set.



8 *Final confirmation and exit*

After all 7 days have been set, press the On/Off button to confirm and exit the advanced settings.



Modify the programming in the app:

1

Open Smart Life or Tuya Smart app, at the bottom of the homepage, tap "setting".



2

Tap "Program" in the setting.



3

Set the temperature for each of the 7 days of the week according to your needs, and then press "confirm" to confirm.

