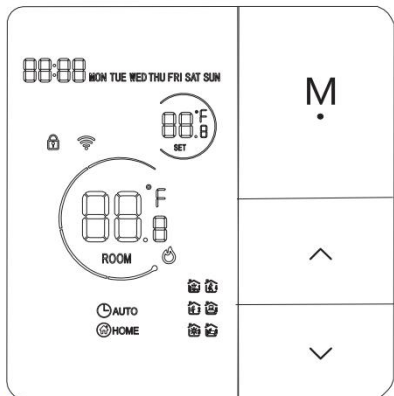


TGP508 WIFI THERMOSTAT USER GUIDE



THIS THERMOSTAT IS SUITABLE FOR WATER HEATING, ELECTRIC HEATING AND GAS BOILER

Welcome

Thank you for your trust and support. By adopting higher-end technology and more perfect technology, your new thermostat will provide you with the right temperature environment every day in the future, making your life more comfortable and your living environment more stylish and beautiful. For detailed instructions on the installation and use of this thermostat, please read this manual carefully. Please contact a professional to install the thermostat for you and install and use the product to the extent permitted by law.

Application

Intelligent digital temperature controller is a floor heating system suitable for room temperature control and household temperature control. It controls the operating state of the floor heating equipment by comparing the ambient temperature with the set temperature, which improves comfort and achieves energy saving. This digital temperature controller adopts microcomputer control technology and is equipped with full-screen display touch buttons, which is elegant in design and easy to use. The thermostat has manual automatic, programmable and state memory functions.

Technical Data

1. Temperature Sensor :NTC
2. Temperature accuracy : $\pm 1^{\circ} C$
3. Power consumption: < 1W
4. Voltage: AC100-240V 60HZ
5. Load current: water heater 3A / electric heater 16A
6. Temperatures Setting :5-60 $^{\circ} C$

Product packaging

Thermostat host	1 PC	Qualification certificate	1 PC
Sensing line (optional)	1 PC	Manual	1 PC
Screw	2 PCS		

Product Model

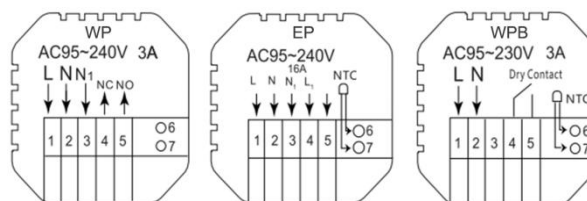
- WP Plumbing 3A
- EP Electric Heating 16A
- WPB linkage, gas boiler 3A

User Notes

1. Please read this manual carefully. Improper operation may damage the product or cause dangerous conditions.
2. The installation personnel must be well-trained and experienced service technicians.
3. After installation, please read this manual carefully and operate the product according to the instructions.

Caution: Risk of electric shock or equipment damage.

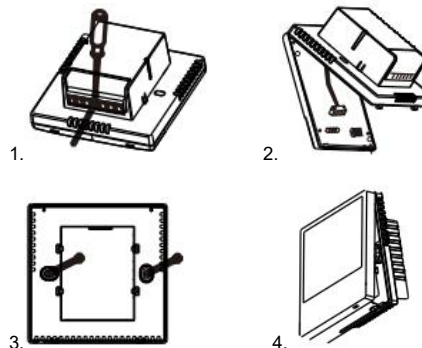
Wiring Diagram



Note: WP for water heating; EP for electric heating; WPB for gas boiler

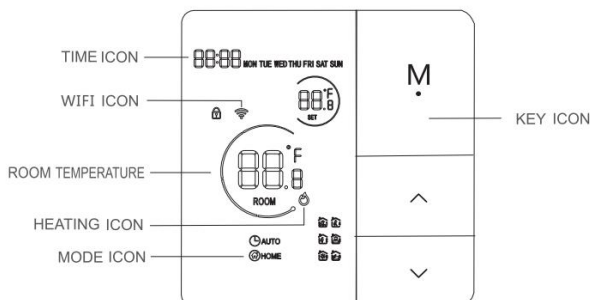
Installation procedure

This product is installed with a standard 86 control switch (in compliance with European regulations).









1. Connect the power box according to the wiring diagram.
2. Separate the power supply from the control board cable.
3. Screw the power supply into the box of 86.
4. Connect the power board to the control board line, and align the buckle at 30 degrees to complete the installation.




Description of display & Icon















Operating Instruction


1. Power on/off: Long press **M** key for 3 seconds to turn on/off the thermostat.
2. Short press the **M** key to switch between manual and Away modes.
3. Simultaneously press and hold the  and  keys for 3 seconds to add or cancel the child lock.
4. Long press **M** key and  key to enter the clock setting, press **M** key to switch settings item, press  or  keys to adjust the value of each parameter.
Note: the time of WIFI model will be Automatically gets Internet time
5. In the power off state, long press  key to detect the ground temperature.
Note: only applicable to thermostats connected to external sensor.



Time programming instructions

Long press **M** key and  key to enter the programming setting, short press **M** key to switch the option, press the  key or  key to adjust each option parameter. Long press the **M** key to exit and save.


	OPTION	ICON	TIME	ADJUST	DEFAULT	ADJUST
workday	1		06:00		20°C	
	2		08:00		16°C	
	3		11:30		16°C	
	4		12:30		16°C	
	5		17:00		22°C	
	6		22:00		16°C	
Holiday	1		08:00		22°C	
	2		23:00		16°C	

Advanced options

In the POWER OFF state, press the **M** key and  key for 3 seconds to enter the advanced option settings.

Short press the **M** key to enter the next option, then press the  or  key to adjust options, and long press the **M** key to exit the advanced option setting mode.


Display Code	Function	Setting And Options	Factory Defaults
01	Temperature calibration	-9.9-9.9°C	-1°C
02	Sensor selection	IN:Use the internal sensor OUT:Use the external sensor ALL: Use both internal and external sensors.	IN
03	Measured temperature extreme value Modification	35-60°C	60°C
04	Temperature hysteresis	0.5-10°C	1°C
05	Antifreeze function	OFF:Close anti-frozen ON:Open anti-frozen	OFF
06	Weekly programming mode setting	7: 7 working days 6: 6 working day+1 rest day 5: 5 working day+2 rest day OFF: turn off programming	5
07	Primary and secondary reverse selection	00:close the main and auxiliary reversal 01:auxiliary reversal	00
08	Sound	ON: turn on the sound OFF: turn off the sound	ON
09	Set temperature upper limit	15-95°C	60°C

10	Backlight brightness	00 : turn off the backlight 01 : low brightness 02 : medium brightness 03 : high brightness	03
11	Restore factory defaults	long press  button to adjust the display "----", long press M button to restore the factory settings	-

About WIFI connection

Before using the WIFI thermostat for the first time, you should set the WIFI signal and configuration through your smart phone or tablet to allow communication between your connected devices.

WIFI link: Bluetooth thermostat, please turn on the phone's Bluetooth

WIFI connection: When the thermostat is on, long press  key for 5 seconds, the WIFI icon flashes on the thermostat display, and the thermostat enters the code matching state.

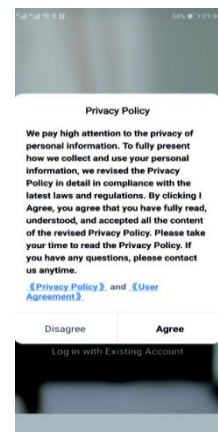
1. Download the APP

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

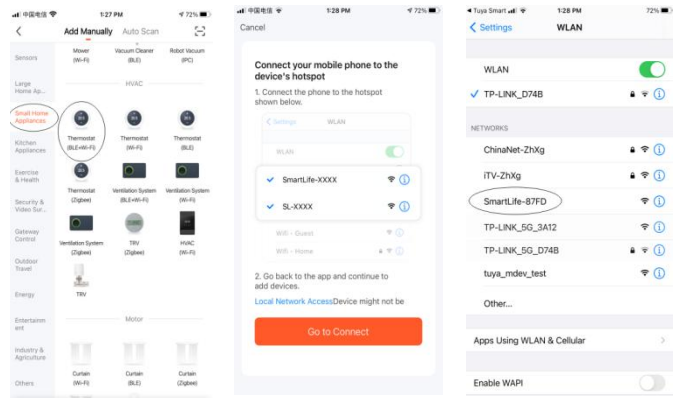
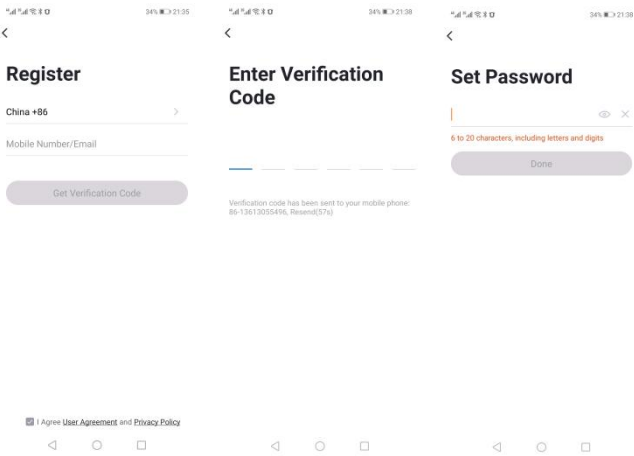


2. Register Account

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 Tuya Smart Platform Privacy Policy page. After you click Agree, you will officially enter the mobile phone registration page.



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.

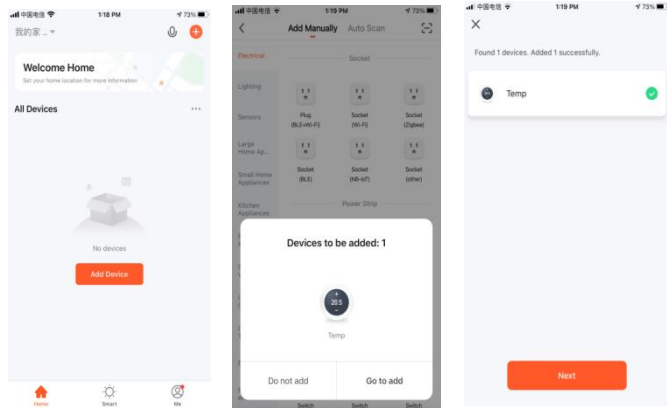


In that case, the APP for the network configuration process is shown in Figure 1, and the network configuration successfully displays the interface shown in Figure 2. The device's name with successful network configuration can be modified, and the room's location can also be selected.

3. Add device

3.1: (Bluetooth connection) Turn on the mobile phone's Bluetooth, turn the device on, and enter the Tuya APP. Click "Add Device" or "+" on the top right of the APP homepage, and enter the "Add Device" interface. It will prompt: find the device to be added (Figure 2) and follow the prompts.

3.2: "Automatic discovery": Search for devices (Figure 3), and add widgets as prompted on the phone page.

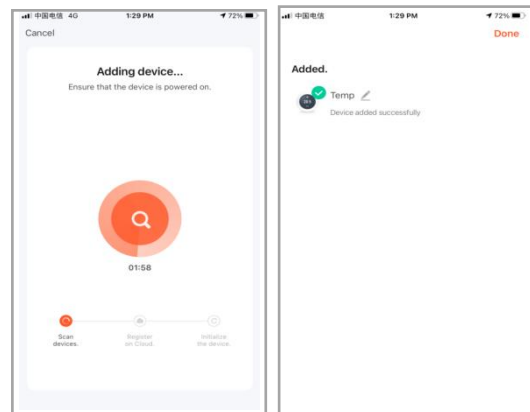


3.3: (WIFI connection) When the thermostat is turned on, press and hold the + button for 5 seconds, the thermostat display will show.

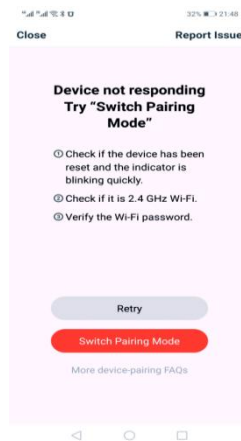
Now the WIFI icon flashes (slow flashing), and the thermostat enters the status of code matching.

Find the temperature control product (Bluetooth + WIFI model) in the (small household appliance). In the specified network configuration mode, click the confirmation button on the page, select the WIFI that can connect to the Internet in the working area of the device, and enter it.

WIFI password, click Next, click according to the page prompt (Figure 2). "Go to connect", and follow the instructions to find the prompt content (Figure 3), click "Prompt content" and then return to the Tuya APP to enter the network configuration process.



If the distribution network fails, the APP will display the page shown in the figure below. You can choose to add or view the help again. Note: if the connection fails, please confirm whether the temperature control device has entered the code matching state, refer to item 6 of the operation manual.



4. Display of temperature controller APP interface

