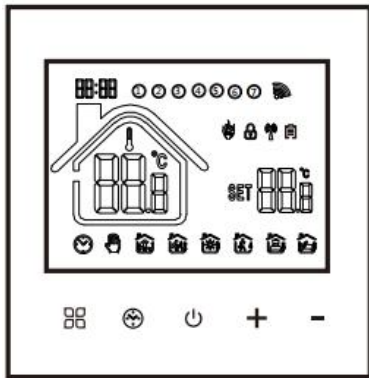


TDR89 ZIGBEE THERMOSTAT USER GUIDE



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.

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

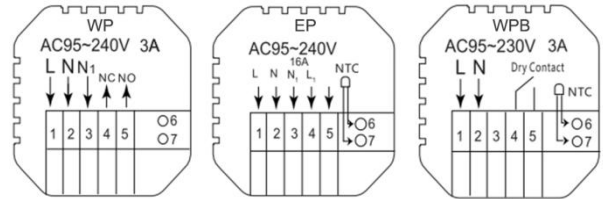
1. Please read this manual carefully. Improper operation may damage the product or cause dangerous conditions.
2. The installation personnel must be well-trained and experienced service

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.

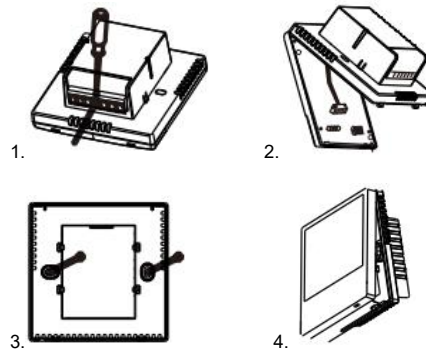
Wiring Diagram



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

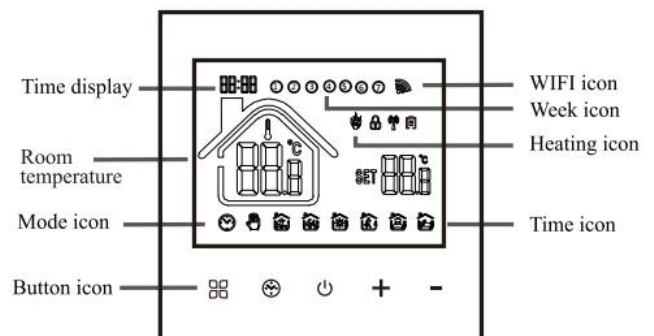
Installation procedure

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: press to turn on/off the thermostat.
2. Press the key to switch between manual and automatic modes.
3. In the automatic mode, press + or - to adjust the temperature to enter the automatic temporary mode. This mode runs for only one session.
4. Press key to enter the clock setting, press the mode key to switch settings options, and press the + and - keys to adjust the value of each parameter.

5. Simultaneously press and hold the + and - keys for 5 seconds to add or cancel the child lock.





6. WIFI link: When the thermostat is turned on, press and hold the + button for five or eight seconds, the WIFI icon flashes on the thermostat display, and the thermostat enters the code matching state.

Time programming instructions

Long press the  key to enter the programming setting, short press the  key to switch options, press the + or - key to adjust the parameters of each option, and press the  key to exit and save mode.

KEY	OPTION	ICON	TIME	ADJUST	DEFAULT	ADJUST
	workday	1 	06:00	+	20°C	+
		2 	08:00		15°C	
		3 	11:30		15°C	
		4 	12:30		15°C	
		5 	17:00		22°C	
		6 	22:00		15°C	
Holiday	1 	08:00	-	22°C	-	
	2 	23:00	-	15°C	-	

Advanced options

In the shutdown state, press the  key and  key. Press for 5 seconds to enter the advanced option settings. Press the  key to enter the next option, then press the + and - key to adjust options, and press the  key to exit the advanced option setting mode.

1	Temperature compensation	The default value of the calibration room temperature is -2 °C. Press the up and down keys to adjust. The adjustable range is 9.9 °C to -9.9 °C.
2	Sensor selection	The temperature sensor is selected as IN by default. Press the up and down keys to adjust as IN respectively, indicating that the internal.
3	Modify the temperature limit	The default temperature limit value is 35 °C. Press the up and down keys to adjust the range from 5 °C to 60 °C.
4	Temperature difference start	The default temperature difference is set to 1 °C. Press the up and down keys to adjust the range to 1-10 degrees.
5	Antifreeze function	Set the default anti-freeze function to OFF, display OFF, press the up key to turn on anti-freeze and display ON.
6	Holiday option and turn off weekly programming	Set the default rest day as double OFF. Press the up and down keys to adjust it to double OFF (1-5), single OFF (1-6), no OFF (1 -7) and turn off week programming (OFF).
7	Primary and secondary reverse selection	Set the default main and auxiliary reversal to 0. Press the up and down keys to adjust 0 to turn off the main and auxiliary reversal. 01 means auxiliary reverse, 02 means auxiliary reverse, 03 means main and auxiliary reverse, shutdown and antifreeze is not on, stop output.
8	Passive linkage output delay time	Set the default passive linkage delay time to 0. Press the up and down keys to adjust the range of 0-5 minutes.
9	Set upper temperature limit	The default value of the set temperature upper limit is 60°C, and the adjustment range is 35-95 °C by pressing the up and down keys.
10	Restore Factory Defaults	Set to restore the factory default setting to display "-", Press the up button to adjust the display "----", press the enter button to restore the factory settings

About wireless connection

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

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

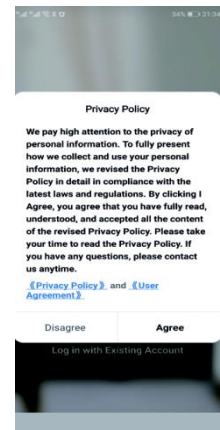
1. Download the APP

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

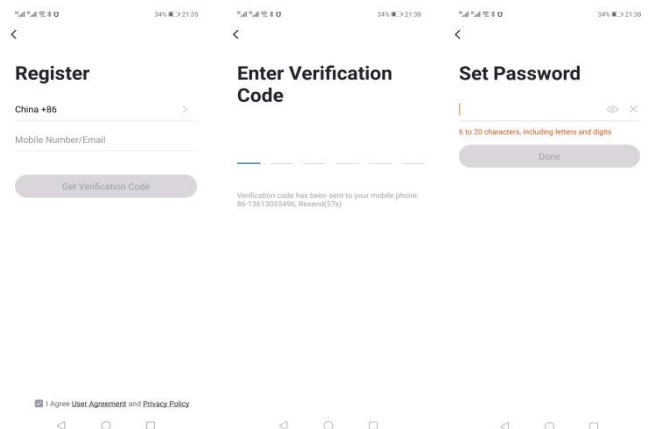


2. Register Account

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.

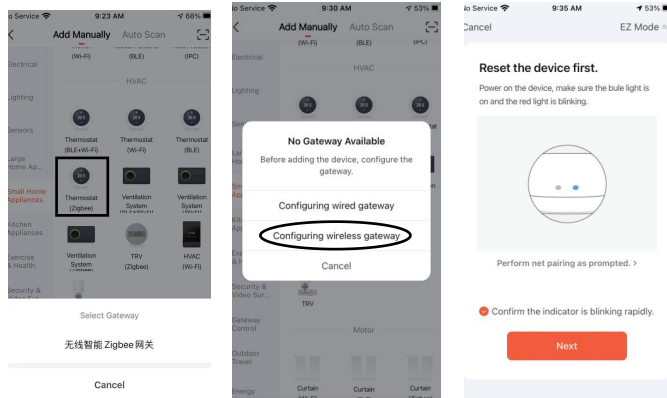


The system automatically determines the current country/region. You can also select the country/region manually. After entering your mobile phone number or email address, click "get verification code". Enter the received verification code, then enter the password, and click "finish" to register successfully.

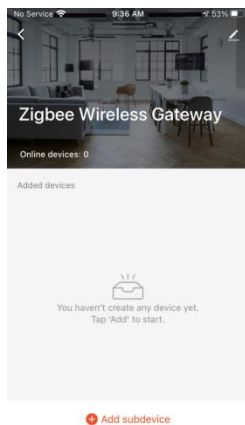
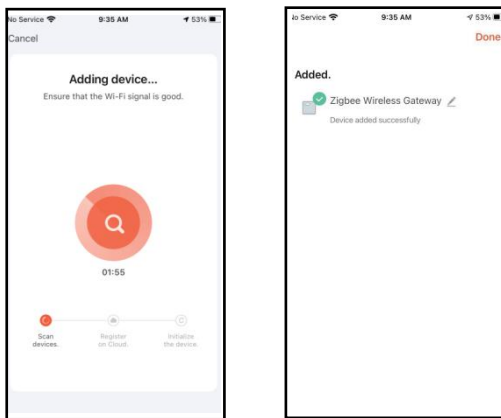
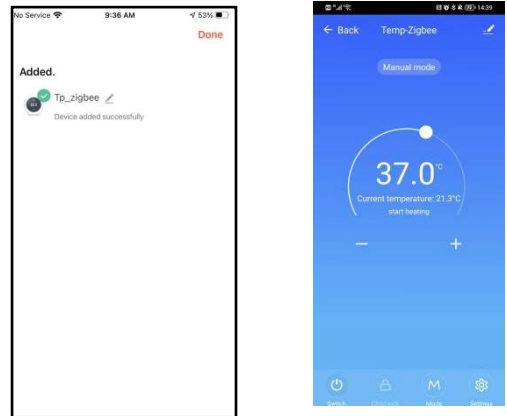


3. Add gateway device

Click "Add Device" or "+" on the top right of the APP homepage, and enter the "Add Device" interface.



5. Display of temperature controller APP interface



4. Thermostat add

