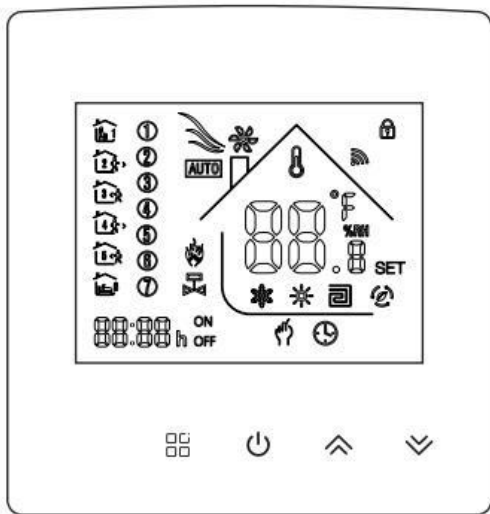


TGR85 ZIGBEE THERMOSTAT USER GUIDE



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

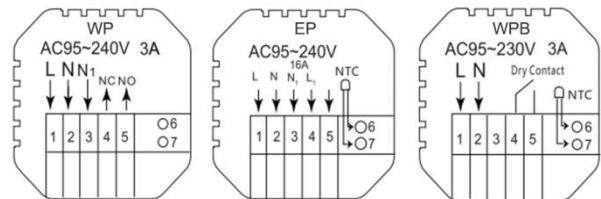
- WP Plumbing 3A
- EP Electric Heating 16A
- WPB linkage, gas boiler 3A

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.

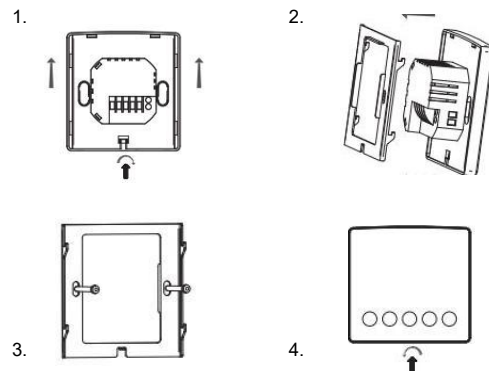
Wiring Diagram



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

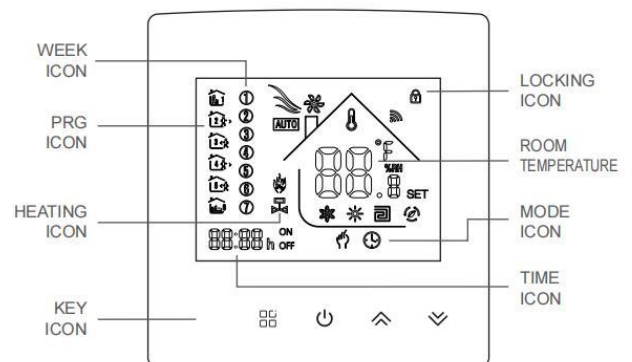
Installation procedure

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












1. Turn the fixator so that the arrow is aligned with the display screen. Remove the mounting plate.
2. Remove the mounting plate in this direction.
3. Fix the mounting plate on the cassette with a screw.
4. Insert the thermostat into the mounting plate from top to bottom and reuse. The screwdriver will rotate the fixator 180 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. Long press  key and  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.

Note: the time of wireless model will be automatically gets Internet time.



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 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℃	
		2		08:00		15℃	
		3		11:30		15℃	
		4		12:30		15℃	
		5		17:00		22℃	
		6		22:00		15℃	
Holiday		1		08:00		22℃	
		2		23:00		15℃	

Advanced options

In the POWER OFF state, press the  key and  key 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.

Display Code	Function	Setting And Options	Factory Defaults
01	Temperature calibration	-9.9-9.9℃	-1℃
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℃	60℃
04	Temperature hysteresis	0.5-10℃	1℃
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	Backlight brightness	00 : turn off the backlight 01 : low brightness 02 : medium brightness 03 : high brightness	03
09	Set temperature upper limit	15-95℃	60
10	Sound	ON:turn on the sound OFF:turn off the sound	ON
11	Power outage memory function	00 : Thermostat switch status is the same as before power failure 01: Thermostat opens after power restoration 02: Thermostat closed after power restoration	00
12	Restore factory defaults	long press  button to adjust the display "----", press  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.

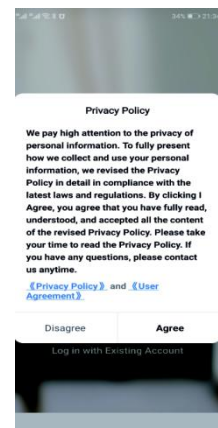
1. Download the APP

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



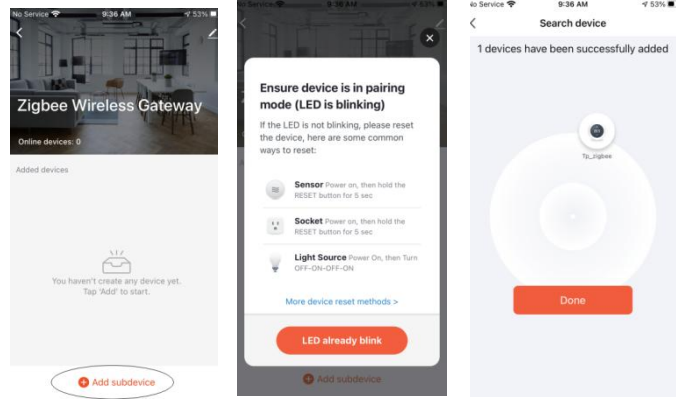
2. Register Account

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.



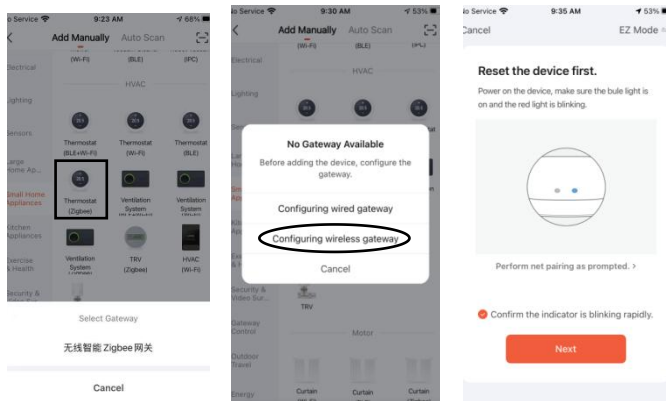
The system automatically determines the current country/region. You can also select the country/region manually. After entering your mobile phone number or email address, click "get verification code". Enter the received verification code, then enter the password, and click "finish" to register successfully.

4. Thermostat add



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

