

BOT-R7X Wireless Gas Boiler Heating Thermostat



Low Temperature Protection Function

Advanced options enter the third option ON, the thermostat is in the shutdown state, when the indoor temperature is lower than 5 degrees, the thermostat automatically turns on heating. when the indoor temperature rises to 5 degrees, the thermostat automatically turns off heating.

Application

Intelligent digital thermostat is a temperature controller suitable for floor heating systems. Through comparing ambient temperature and set temperature, it controls the working state of the electric valve of the floor heating system to adjust the ambient temperature, which is comfort and energy saving.

Operating Instructions

ON/OFF key: Press the ON/OFF key to turn on and off once; Press shutdown again while closing all valves.

Mode switch key: In the power-on state, press  to switch the working mode. The LCD  indicates the manual mode and the display  indicates the automatic mode.

Regulation key: In the startup state, press the  button and the temperature will flash, then rotate the outer frame to adjust the temperature setting.

Clock adjustment: In the power on state, press and hold the  button for 5 seconds. After the icon flashes, rotate the outer frame to adjust. Press the  button to switch between time and week adjustments, and press the  button to save and exit.

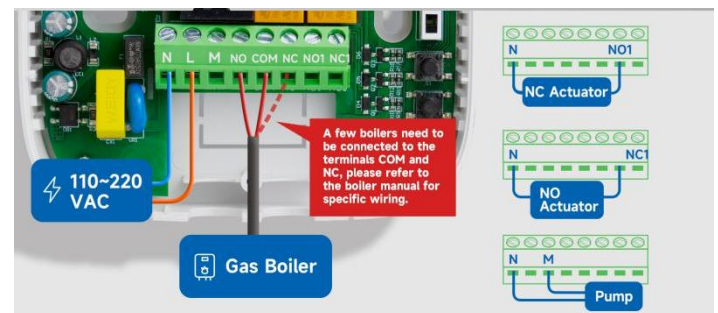
Lock key function: In the power on state, press and hold the  button for 5 seconds to enter the lock button state on the panel. A lock icon appears at the bottom of the display screen, indicating successful lock button locking

Electrical Specification

1. Temperature sensor: NTC
2. Temperature precision: $\pm 0.5^{\circ}\text{C}$
3. Self- consumed: $< 170\text{uW}$
4. Voltage: 3pcs 1.5V batteries
5. Load current: 3A(negative)
6. Protection grade: IP20

Wiring Diagram

N	L	M	NO	COM	NC	NO1	NC1
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Remark:

N & L: 110~220Vac input

NO(NC) & COM(dry contact): boiler / heater

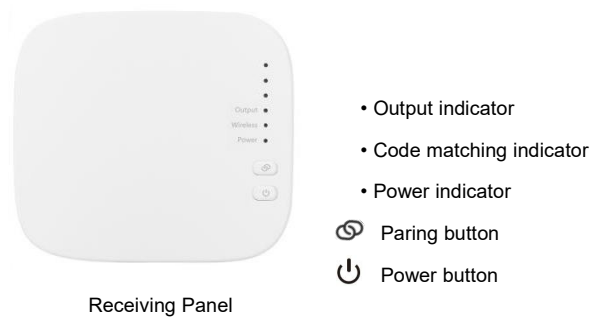
N & NO1: normally close (NC) actuator

N & NC1: normally open (NO) actuator

N & M: Pump

Notes: since some circuits of this product involve strong electricity, which need to be installed by professionals.

Code Matching Process:



1. Power on the receiving panel, the power indicator is long on.
Press and hold the code matching button for 3 seconds, and the code matching indicator flashes.



2. Install three pieces AA batteries on the transmitting panel.
In the **POWER OFF** state, press and hold the  button for 5 seconds to check the code. When the code checking indicator light on the receiving panel remains on, the code checking is successful.

Programming Mode Operation

In the **POWER ON** state, press and hold the  button for 5 seconds to enter programming mode. After entering programming mode, press  button to switch parameters, rotate the outer frame to adjust various parameters, press the  button to adjust for minutes, and press the  button to adjust the temperature. The adjustment method for the following time periods is the same as the first time period. Press the  button to save and exit.

Key	Option		Icon	Time	Adjust time	Default Value	Adjust Temp.
	Daily Program	1		06:00	Rotate	20°C	Rotate
		2		08:00		16°C	
		3		11:30		16°C	
		4		12:30	Outer	16°C	Outer Frame
		5		17:00	Frame	22°C	
		6		22:00		16°C	

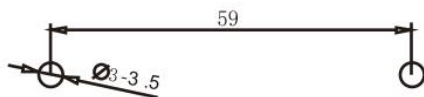
Parameter Setting

In the **POWER OFF** state, long press the  button for 5 seconds to enter the parameter setting interface. At this time, press the  button to cycle through the selection of the parameters to be set, rotate the outer frame to adjust the parameters of each item, and press the  button to save and exit.

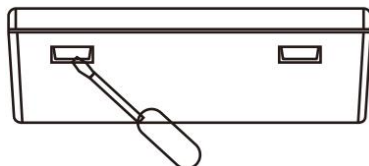
Parameter Item	Parameter Name	Default Value	Functional Meaning
1	Temperature compensation	0°C	The temperature compensation range: -9.9~9.9°C
2	Switch deviation setting	1	The temperature difference start-up range is 0.5~10°C
3	The shutdown antifreeze function starts and stops	ON	OFF: Turn off the antifreeze function ON: Turn on antifreeze function
4	Summer/ Winter		 Summer mode  winter mode
5	Set the upper limit of the temperature	35°C	Set the upper temperature range from 15~60°C
6	Restore factory settings	—	Long press  for 3 seconds, display “—” to restore factory settings

Installation Method

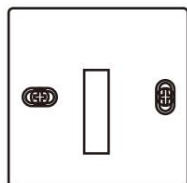
1. Install an expansion screw sleeve with a spacing of 59mm on the wall.



2. Use a screwdriver to separate the upper cover and the lower cover, pursuant to the wire direction, pass the wire through the back cover to the wiring duct, and leave about 20cm long as per the actual situation.



3. Fix the bottom shell to the wall, and finally fix the wire, and cover the front shell on the bottom shell.



Inspection Steps

Install the intelligent touch screen thermostat in a place where it is easy for the user to view the screen and adjust the temperature set point. The thermostat is located in a place that can represent the overall ambient temperature of the room. Avoid installing the thermostat near hot and cold sources, such as vents, heaters, outdoors, etc.

Common Faults Handing

Phenomenon	Solutions
Don't start up	1. Check whether the battery is installed backwards. 2. Inspect whether the boot key is valid LCD displays.
LCD displays messy code	Whether the rear shell installation is deformed, it can be loosened and reinstalled.
Display is normal, but there is no output	1. Check whether the boundary between the main control board and the power board is damaged. 2. Check whether the output is connected to the wrong wire.
Temperature displays error	Calibrate the panel temperature display via the first item of advanced options.

WiFi Connection

Smart Life App Download

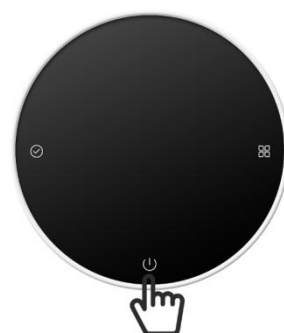
For IOS system: Login in App Store, search “ Smart Life "or " Tuya Smart", you can download it on your iphone.

For Android System: Login in Google Play, search “ Smart Life", or " Tuya Smart" ,you can download it on your phone.

Or scan below code to download:



Thermostat Setting



POWER
OFF STATE

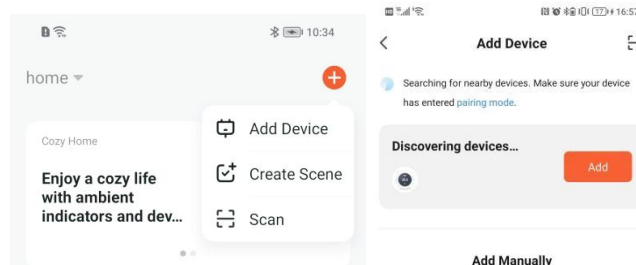
In the **POWER OFF** state, press and hold the  button for 5 seconds. When the WIFI icon is displayed on the screen, you can start the configure on your phone.

Connection with phone

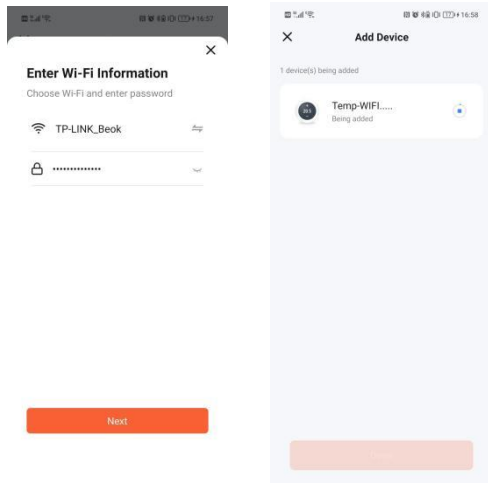
Open” Smart Life "or “Tuya Smart" on your phone.

Be sure to turn on your phone' s Bluetooth.

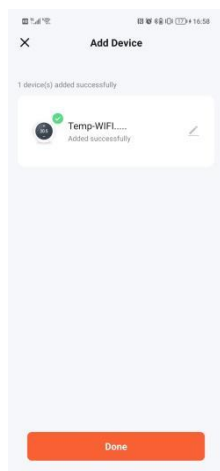
Only 2 4G status configuration can be added for WIFI access on mobile phones (the name and password can only use numbers and letters, not symbols),



Click the Add Device button in the upper right corner, or click Add Device.



Enter the WIFI password, click Next.



Wait 1-2 minutes for the device to connect. If no, check the mobile phone, route, thermostat, and network device.



After the configuration is completed, the WiFi icon of the thermostat does not flash.