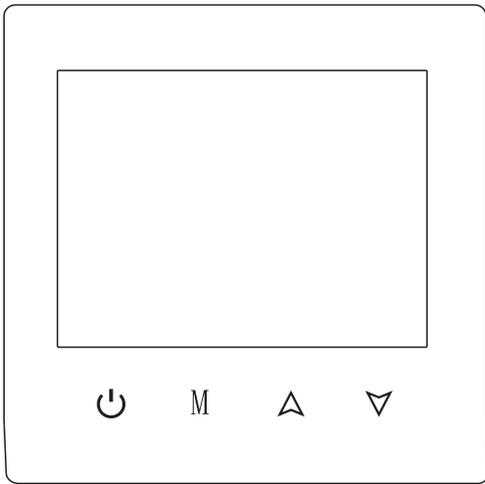


# BOT-R6X Wireless Gas Boiler Thermostat



## ■ 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.

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

**▲ ▼ Regulation key:** In the power-on state, press ▲ ▼ to adjust the set temperature and other parameters.

**Clock adjustment:** In the power-on state, press and hold the M key for 5 seconds, press ▲ ▼ after the icon flashes to adjust, and press the M key to switch the time and adjust the week. Press the ⏻ key to save and exit

**Lock key function:** In the boot state, press and hold ▲ and ▼ in the panel to enter the lock key state for 5 seconds, and the lock icon appears on the display's right side, indicating that the lock key is successful

## ■ 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.

## ■ Electrical specification

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

## ■ WiFi Connection

When the temperature controller is turned on, press and hold the ▲ button for 5 seconds.

The WiFi icon on the temperature controller display screen will flash (slowly), and the temperature controller will enter the code checking state. In the list of (small household appliances) devices, find the temperature controller product (Bluetooth+WiFi version) in the specified distribution mode. Click the confirmation button on the page, select the WiFi in the device's work area that can connect to the internet, enter the WiFi password, click Next, click "Connect" according to the page prompts, find the prompt content, click "Prompt Content", and return to the graffiti app to enter the distribution process.

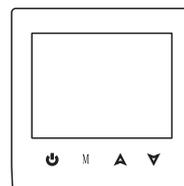
## ■ Wiring diagram

Zero	Fire	Pump	K1	K2	Normally open	Normally close
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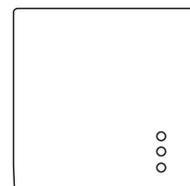
Remark: K1 K2 is a passive linkage of wall-hung furnaces  
Normally Open: Motorized valve remain open  
Normal Close: Motorized valve remain close

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

## Launch panel



## receiving panel



Code matching key  
Output indicator lamp  
Code matching indicator  
Power indicator

## Code matching process:

1. Power on the receiving panel, the power indicator is long on, Press and hold the code matching button, and the code matching indicator flashes.
2. Install 3 No. 5 batteries on the launch panel, and press the key long after booting. When the code matching indicator on the receiving panel is normally on, the code matching is successful.

## ■ Programming mode operation

In the boot state, press and hold the M and  $\nabla$  keys for 5 seconds to enter the programming mode, and press M to switch parameters after entering the programming mode. In the first period after entering the programming mode, adjust the hour of time, press M to adjust the minute and then press M to adjust the temperature, the following periods of adjustment method is the same as the first period. Press  $\cup$  to exit.

Key	Option	Icon	Time	Adjustment time	Default value	Adjust temperature	
M	Workday	1		06:00	$\Delta$	20°C	$\Delta$
		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	
	Day off	1		08:00	$\nabla$	22°C	$\nabla$
		2		23:00	16°C		

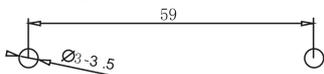
## ■ Parameter setting

In the shutdown state, simultaneously press M and  $\nabla$  for 5 seconds to enter the parameter setting interface, press M to cycle to select the parameters to be set, and press the  $\Delta$   $\nabla$  key to adjust the parameters. Press  $\cup$  to exit. The parameter breakdown is as follows:

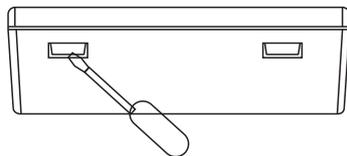
Parameter item	Parameter name	Default value	Functional meaning
1	Temperature compensation	0	The temperature compensation range: -9.9~9.9°C
2	Switch deviation setting	1	The temperature difference start-up range is 0.5~9.5°C
3	The shutdown antifreeze function starts and stops	OFF	OFF: Turn off the antifreeze function ON: Turn on anti-freezing function
4	Rest day selection	2	0: Without rest 01: single-day weekend 02: Double Dayoff
5	Set the upper limit of the temperature	60°C	Set the upper temperature range from 35~95°C
6	Restore factory settings		Long press $\Delta$ for 3seconds, display  to restore factory settings

## ■ Installation method

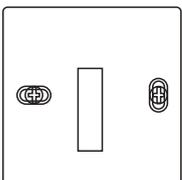
1. Install an expansion screw sleeve with a spacing of 59mm on the wall



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. And 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 or in places where

## ■ Common faults handling

Phenomena	Solutions
Don't start up	1. Check whether the battery is installed backwards 2. Inspect whether the boot key is valid
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