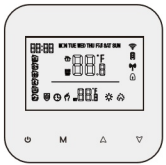
BOT-R5W/R8W Wi-Fi Gas Boiler Thermostat Manual



Application

The intelligent thermostat is designed for gas - **fired wall-hung boiler**

It controls the boiler's operation by comparing ambient and set temperatures, aiming to regulate room temperature for comfort and energy savings.

Electrical specifications

Equipment power supply	**3X1.5V alkaline AAAbatteries**
Protection Level	IP20
Temperature sensor	NTC
temperature precision	±0.5 **(adjustable)**
Load current	3A (resistive)
Self - consumption power	less than 170 μA

Instructions

⏻ ON/OFF key: Press once to power on, press again to power off and close all valves.

M Mode Conversion Key: Press M to switch working modes when powered on. LCD shows ☝ for manual mode and 🕒 for automatic mode.

△ ▽ Adjustment keys: Press △ or ▽ to adjust set temperature and other parameters when powered on.

Child Lock Function: When powered on, long - press △ and ▽ for 5s. Once a lock icon shows up on the right of the display, the keys are locked.

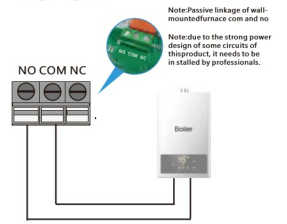
Device network connection settings

When the thermostat transmitting panel is on, long - press the △ key for 5s until the WiFi icon on its display blinks slowly, and the thermostat enters connection mode.

Open the Tuya Smart/Smart Life app.

In the small - appliance list, find the (Bluetooth + WIFI) thermostat. Under the specified setup, click "Confirm", **choose a 2.4ghz WIFI, enter its password, click** "Next", follow the prompts to click "Go to Connect", click the indicated content, and return to Tuya APP to set up the network.

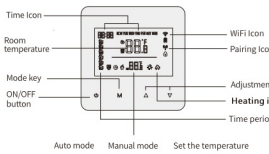
Wiring diagram



Note:Passive linkage of wall-mountedfurnace com and no

Note:due to the strong power design of some circuits of thisproduct, it needs to be in stalled by professionals.

Explanation of Equipment Icons



Advanced Device Option Settings

1. When the device is on, click △ and ▽ to adjust the set temperature directly. If it's in automatic mode, it will switch to temporary mode.

2. Power on the device and click the M button to toggle between manual and automatic modes.

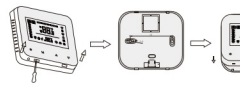
3. While the device is powered on, long - press the M button to enter the setting state. There are four setting states. Click △ and ▽ to select up and down, and short - press M to confirm after selection.

Display	Introduction to Functions		
Hod	Device heating/cooling switch settings: Short - press M to enter adjustment, and short - press △ and ▽ to switch.		
SEr	**Expansion parameter settings for equipment**		
Display	Parameter name	Default	Parameter function
1	Temperature compensation	0.0	The temperature compensation range is from -9.9°C to 9.9°C
2	Temperature difference start	0.5	The temperature difference starting range is from 0.5°C to 10°C
3	Anti-freeze function	ON	Enable/Disable the anti-freeze function
4	Set the temperature upper limit	35°C	Adjustable range is from 15°C to 60°C
5	key sound	ON	Turn on/off the key sound
6	Factory reset the device		Factory reset default shows "-", Press M to change to "---", then press Enter to reset.
PrG	**In daily programming mode,short pressM to select and** adjust Mon - Sun data. Then short - press △ and ▽ to adjust 6 daily programming points.		
cLo	Clock adjustment: Short - press M to enter time and date adjustment. Short - press M to switch options, and △ or ▽ to adjust values.		

Daily Programming time slot

Serial number	Icon	Time period	Button	Temperature	Button
1	1	06:00	△	20°c	△
2	2	08:00		16°c	
3	3	11:30		16°c	
4	4	12:30	▽	16°c	▽
5	5	17:00		22°c	
6	6	22:00		16°c	

Installation Steps



1. Pry away the display panelusing a screwdriver
2. Place the backplane in the installation position Insert and tighten the screws
3. Cover the panel. The installationis complete

Common failure

phenomenon	Treatment method
Cant not turn it on	1.Check whether the battery is installed upside down 2.Check whether the boot button is valid
LCD garbled code	Whether the rear shell installation is deformed, it can be loosened and reinstalled.
Show normal and no output	1.Check whether the connection between the main control board and the power board is damaged 2.Check if the output has the wrong connection.
There is an error in the temperature	Display through the first calibration panel of the advanced option.