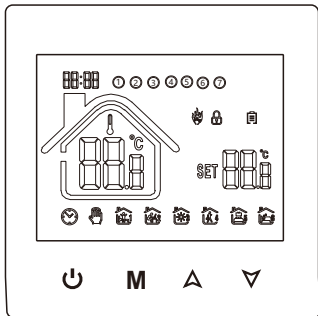# BOT-R6W BOILER THERMOSTAT USER GUIDE

This thermostat is suitable for boilers connected via dry contact

Welcome

Thank you for your trust and support!

We have adopted advanced technology and perfect craftsmanship so that your new thermostat will provide you with a suitable temperature environment every day in the future.

Working Principle and Main Functions

Intelligent digital thermostat is a temperature controller,which suitable for boilers connected via dry contact.Through the comparison of the ambient temperature and the set temperature,to determine whether to transmit an signal to the boiler to switch it on or off.

Main functions: weekly programming,frost protection function, temperature calibration,child lock and more.
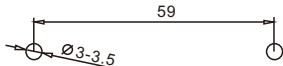
Model Spec

Model	Current Loading	Week Program	Controlled Objects
BOT-R6W	3A	✓	For boilers connected via dry contact

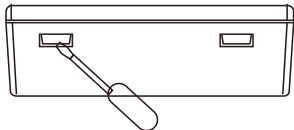# Technical Parameter:

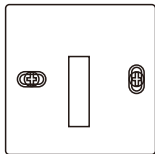|	
Power Supply	3 x 1.5 V alkaline AA battery (not included) or USB
Current Load	≤3A
Self-consumption	<170μW
External Material	PC+ABS (flame retardant)
Sensing Element	NTC
Set Temp. Range	5-60℃ (Default)
Temperature hysteresis	±1℃ (Default adjustable 0.5-10℃)
Dimension	86x86x28mm
Protection Degree	IP20

Installation Instruction

1. Install expansion screw sleeve with pitch 59mm on the wall.

59

Ø3-3.5

2. Separate the upper cover and the lower cover with a screwdriver, according to the direction of the alignment. The wire passes through the back cover to the slot and leaves about 20cm long according to the actual situation

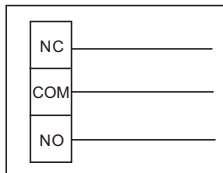3. Fix the bottom shell to the wal, and finally fix the wire. Cover the front shell on the bottom shell.
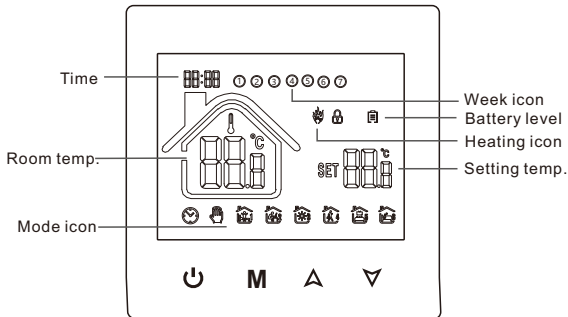
User Notes

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

Wiring Diagram

Description of display & icon

Time

Room temp.

Mode icon

Week icon

Battery level

Heating icon

Setting temp.

SET

M

Operation Instruction

1.Power on/off

Press ⏻ to turn on/off the thermostat.

2.Set temperature

Press △ or ▽ to set the temperature.

3.Set the clock

In **power on** state,press and hold the **M** key for 5 seconds to set the minute.Press △ or ▽ for adjusting.

Then press **M** key to adjust the hour and the week in turn.

4.Switch modes

In **power on** state,press **M** key to switch between Manual mode and Auto mode(Programming mode)

👆: in Manual mode.

🕐: in Auto mode(Programming mode).

5.Child lock function

Simultaneously press and hold the △ and ▽ 5 seconds to add the child lock to prevent children from misusing the device.

After successful activation, 🔒 will display.

Simultaneously press and hold the △ and ▽ 5 seconds to cancel the child lock.

6.Frost protection function

Enter **Advanced Setting** find the **3rd** option,select **ON** to turn on the function.

When the thermostat is power off,if the room temperature is below 5°C then the thermostat automatically turns on heating to avoid freezing of the pipes until the room temperature rises to 5°C.

This function can be turned on or off according to your needs.

7.Set the Auto Mode(programming mode)

In **power on** state,press and hold **M** key and ∀ for 5 seconds to enter programming mode setting.

time and ①②③④⑤ will display.

①②③④⑤ display in the position of week means
5(working day)+2(rest day)

Press △ or ∀ to set the time.
Press **M** key to enter the temperature adjustment.
Press △ or ∀ to set the temperature.

The first time period has been set.
Press **M** key to enter the next time period setting

When the setting is complete, press ⏻ to save and exit

If you set the thermostat to Auto Mode,then the thermostat will run at the temperature and time you programmed.

If the thermostat is manually adjusted during any period of operation in Auto Mode,it will temporarily run according to your manual settings and resume Auto/programming mode at the next programming time.

Period		Icon	Default Time	Defaulted Temp.
working day	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
rest day	1	🏠1	08:00	22°C
	2	🛏6	23:00	16°C

Remark:
1.The defaulted temperature of period 3 and period 4 is the same as period 2 Please change it according to the request.

2.Do not set the last time point of each day beyond 23:59.

Advanced Setting

In **power-off** state, press **M** key and the $\triangledown$ key for 5 seconds to enter the advanced option setting.

Press **M** key to enter the next option,press $\triangle$ or $\triangledown$ to adjust, and press $\circlearrowleft$ to save and exit .

Display Code	Function	Setting And Options	Factory Defaults
1	Temperature calibration	-9.9~9.9℃	0
2	Temperature hysteresis	0.5~10℃	1
3	Frost protection	ON:turn on the function OFF:turn off the function	ON
4	Weekly programming mode setting	0:turn off programming 1:6 working day+1 rest day 2:5 working day+2 rest day 3:7 working days	2
5	Set temperature upper limit	15-95℃	60℃
6	Reset	long press $\triangle$ key to adjust the display to"---",press $\circlearrowleft$ to restore the factory settings	-

Clarification:
2.Temperature hysteresis

If this value is set to 1°C and the set temperature is 20°C,then the thermostat will control the heating equipment to start heating when the room temperature is 19°C (20-1°C) and stop heating when the room temperature reaches 21°C (20+1°C)

Common Failure

Q1:Can not turn it on?
1.Check whether the batteries are installed upside down.
2.Check the power button is vaild.

Q2:LCD garbled code?
Check whether the rear shell installation is deformed.it can be loosened and reinstalled.

Q3: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 wrong connection.

Q4:Measured temperature different from other devices?
Can be calibrated by adjusting the first item(Temperature calibration) of the advanced settings.