

THP005 Heating Thermostat



Electricity/Water/Boiler heating

WELCOME

Thank you for choosing our thermostat. We are committed to bringing together high-end technology, high-quality production technology, safe and reliable materials to produce high-quality and inexpensive products. The new sliding control thermostat helps you creating a comfortable life.

Please read this manual for comprehensive product information. In the same time, ensure that professionals install the thermostat and comply with all local regulations.

IN THE BOX YOU WILL FIND

Thermostat *1 Manual*1 QC Passed* 1 Screw *2
External sensor (optional)* 1

ABOUT YOUR THERMOSTAT

BHT-005 is suitable for electric heating, water heating, wall-hung boilers and boiler-temperature control systems. It can be used in smart controlling houses, shopping malls, and industrial places.

Before use, please confirm the specific model of this product and the corresponding heating equipment. Please read the wiring diagram to identify the model or contact the merchant.

FEATURES

On Appearance

1. Elegant Piano style sounds like a Chopin's nocturnes;
2. Gradient-color-change-sliding touch;
3. 2.5D arc chamfer;
4. Hidden LCD screen;
5. Unique design & enjoyable touch;
6. Ultra-thin embedded panel, perfectly fit all walls;
7. Suitable for European hidden box;

On Functionality

1. Temperature control accuracy ($\pm 0.5^\circ\text{C}$);
2. Power-off protection to avoid loss of data settings;
3. Weekly 5+1+1 days & 6 period programmable settings energy-saving, cost-saving, environment-friendly;

MODEL DEFINITION

GA: Water heating, 5A GB: Electric floor Heating, 16A

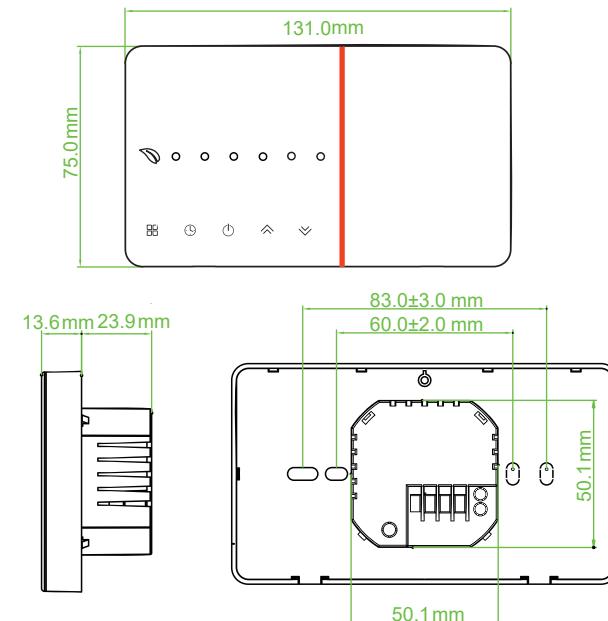
GC: Water/Gas Boiler, 3A

Example: THP005 GA

TECHNICAL DATA

Power Supply	95~240 V AC, 50~60 Hz	Current Load	5 A(water heating/water boiler/gas boiler) 16 A(electric heating)
Temp. Error	$\pm 1^\circ\text{C}$	Sensor	NTC3950,10K
Screen	LCD Negative display	Timing Error	<1%
Set Temp. Range	5~45 °C	Power consumption	<1.5W
Working Ambient Temp/ Humidity	0~45 °C, 5~95% RH (Non Condensing)	Installation Box	European 60mm Round Box
Shell Material	PC+ABS(Fireproof)	Buttons	Capacitive Touch Buttons
Protection Class	IP20		

DIMENSION



BEFORE WIRING AND INSTALLING

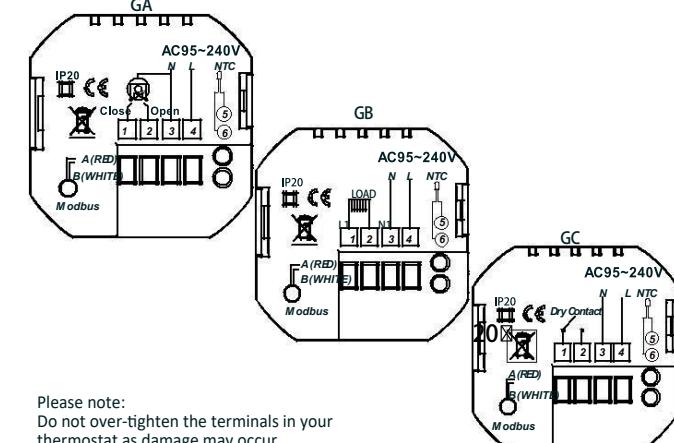
Precautions before installation

1. Be sure this product is suitable for your heating equipment before installation;
2. Be sure to keep the power off before installation or maintenance;
3. Follow the wiring diagram for wiring strictly;
4. Be sure that it is fastened and suitable when installing to the wall,
5. Do not pull the cable hard, it may damage the product;
6. Bend it to an appropriate angle first, if hard plastic wire is used in installation;
7. Only professional can install;
8. Please contact the after-sales service for any equipment failure; please do not try to repair it yourself;
9. After installation, please read this manual to double check normal safety;

CAUTION

Electrical Shock or Equipment Damage Hazard. Can shock individuals or short equipment circuitry. Disconnect power supply before installation.

WIRING



Please note:

Do not over-tighten the terminals in your thermostat as damage may occur.
GA for water heating, GB for electric heating,
GC for water/gas boiler. External Sensor is optional.
Only the GB-electric heating series is equipped with an external sensor line by default.

INSTALLATION

Step 1: Use a screwdriver to pry open the mounting plate along the buckle position. After prying open, connect the cable to the screen and the power box without removing the cable.(Fig1).

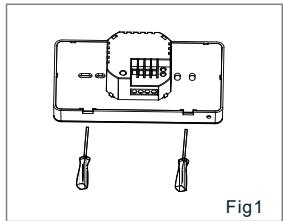


Fig1

Step 2 : Make sure that the wires are without electricity, connect the thermostat with the wires according to the wiring diagram, and then fix the mounting plate on the cassette with(Fig2).

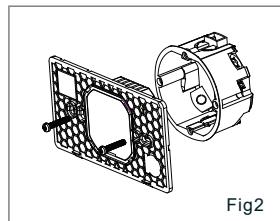


Fig2

Step 3 : Snap the thermostat screen and the mounting plate together to complete the installation.Power on for testing.(Fig3).

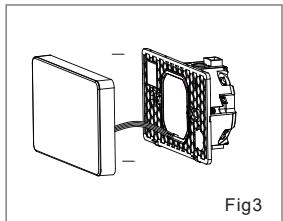


Fig3

Step 4 : Installation complete.(Fig4).

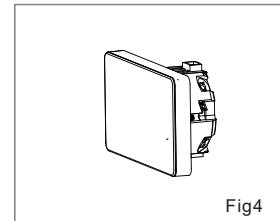
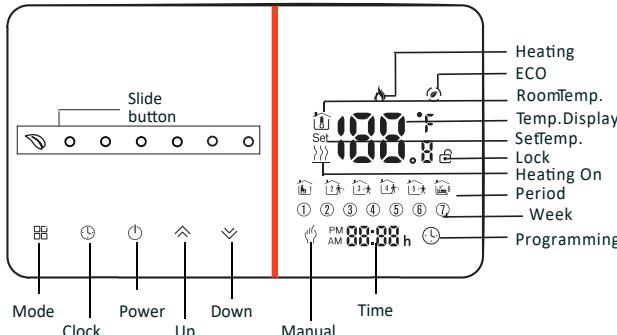


Fig4

HOME SCREEN QUICK REFERENCE



Time display	MON.-FRI. (①②③④⑤ shows on screen)		SAT. (⑥ shows on screen)		SUN. (⑦ shows on screen)	
	TIME	TEMP.	ON TIME	TEMP.	ON TIME	TEMP.
Period 1	6:00~8:00	20	6:00~8:00	20	6:00~8:00	20
Period 2	8:00~11:30	15	8:00~11:30	20	8:00~11:30	20
Period 3	11:30~13:00	15	11:30~13:00	20	11:30~13:00	20
Period 4	13:30~17:00	15	13:30~17:00	20	13:30~17:00	20
Period 5	17:00~22:00	22	17:00~22:00	20	17:00~22:00	20
Period 6	22:00~6:00	15	22:00~6:00	15	22:00~6:00	15

Operation

1.Power On/Off: Press to control the thermostat on/off.

2.Manual & programming mode:

Press to switch manual mode , programming model .

3.Temp. set:

In manual mode, press the "▲" or "▼" to adjust the temperature. After the screen light goes out, the thermostat starts to set the temperature.

4.Time set:

Non-wifi version-press " " to select the minute, hour, week, and press the "▲" or "▼" to set Numerical value. After the adjustment is complete,press " " to exit the time setting.

5.Lock

Press and hold both "▲" and "▼" for 5 seconds, the thermostat will enter lock mode. You can set the full lock and half lock in the advanced options,please refer to the description of the advanced options below.

6.5+1+1 programming set:

WiFi version can be set in APP. Non-wifi version, press " " 4 times to enter the programming mode setting. At this time, the screen displays (①②③④⑤), the "min." of the time flashes, and the period 1 " ". Press " " again to select and set the hour, temperature, and period. Press "▲" or "▼" to adjust the corresponding value..

Press " " once more to confirm and exit.

Default settings for program schedule

7.Check the external sensor temp.

Press " ▾ " for 5 seconds, the screen will display the temperature of external sensor. If the external sensor is not connected, "err" will be displayed.

Setting the Functions and Options

When the power is off, press " " and " " at the same time for 5 seconds to enter the advanced selection setting.

Press " " to select the function, press " ▲ " or " ▾ " to adjust the corresponding value. All advanced option settings will take effect automatically after restarting the thermostat.

Code	Function	Setting and options	Default
1	Temperature compensation	-9 to 9°C	-3
2	Deadzone Temp.	1-5°C	1
3	Button Locking	00:All buttons are locked except power button. 01:All buttons are locked.	1
4	Sensor type	In: Internal Sensor (to control the temp.) Out: External Sensor (to control the temp.) AL: Internal&External Sensor (Internal sensor to control the temp., external sensor to limit the temp.)	AL
5	Min.Set Temp.	5-15°C	5
6	Max.Set Temp.	15-45°C	35
7	Temp.display	00:Display set Temp. and Room Temp. 01:Only display set Temp.splay	0
8	Low temp. protection setting.	0-10°C	0
9	High temp.protection setting.	25-70°C	45
A	Energy saving Mode	00:OFF 01:ON	0
B	Energy saving Temp.	0-30°C	20
C	Standby Brightness	3-99	0