

BHT-8000 Heating Thermostat

User Guide



WiFi type

For other languages, please scan the following QR code



Le français



Español



lingua italiana



Deutsch

Welcome

Please confirm that this product is suitable for your heating equipment before installation;

*Before installation or maintenance, please make sure to keep the power off;

*Please strictly follow the wiring diagram for wiring installation;

*Installation to the wall, please confirm that the fasteners are suitable for this product;

*Do not pull the cable too hard, otherwise the product will be damaged;

*If a hard plastic wire is used in the installation process, it must be bent to an appropriate angle in advance;

*Please arrange for professionals to install;

*Please contact the after-sales service for equipment failure, please do not try to repair it yourself;

* After installation, please refer to this manual to check again to ensure normal and safe use, and keep this manual properly.

In the box you will find

Thermostat 1pc Screws 2pc User Guide 1pc
 Floor Sensor 1pc (Floor Sensor is Optional) QC Passed 1pc

ABOUT YOUR THERMOSTATS

The BHT-8000 range has been developed to control electric underfloor, water heating or water/gas boiler system. These units are designed for use in commercial, industrial, civil and domestic properties.

MODEL DEFINITION

GA: Water heating, 5A GB: Electric floor Heating, 16A
 GC: Water/Gas Boiler, 3A
 L: Backlight P: Weekly Programmable
 N: Modbus Communication W: WiFi
 S2: Both internal sensor and floor external sensor
 For example: BHT-8000 GCLW

FEATURES

On Appearance

- Negative black screen will bring you to a secret world.
- 4.8 inch Large colorful screen display area, creates your colorful life.
- Touch buttons to make simple operation.
- Amazing Silver Frame opens your modern life.
- The visible thickness above the wall is only 15mm.
- The snap connection allows you to easily install.
- 86mm hidden box and European 60mm round box is suitable.
- White, black or brushed stainless steel for your selection.
- Wrap-around cooling holes help heat to escape quickly and avoid affecting temperature detection.

On Functionality

- Powerful functions are available such as WIFI etc..
- 0.5°C accuracy keeps temperature within the level you set.
- Data memory when power is off.
- 5+1+1 six periods programmable maximize comfort and economy.
- Temporary programmable.
- All setting languages synchronize your time zone, address and language.
- No limit to add thermostats in App and support Smart Scene..
- Create thermostat group to Centralized control.
- Integrate with [Amazon Echo](#), [Google Home](#), [Tmall Genie](#).
- Support device sharing.
- Weather, UV index, humidity display help you decide what to wear today.

TECHNICAL DATA

Power Supply: 95 ~240 VAC, 50~60Hz or 24V DC/AC, 50~60Hz

Please check the information laser printed on the back of the thermostat for the actual voltage.

Current Load: 5A (water heating, water/gas boiler), 16A (electric heating)

Sensor: NTC3950, 10K

Accuracy: ±0.5°C

Set Temp. Range: 5~35°C

Room Temp. Range: 5~99°C

Display Temp. Range: 5 ~ 99°C

Ambient Temp.: 0~ 45°C

Ambient Humidity: 5 ~ 95 % RH (Non Condensing)

Storage Temp.: -5~ 45°C

Power Consumption: <1. 5W

Timing Error: < 1%

Shell Material: PC +ABS (Fireproof)

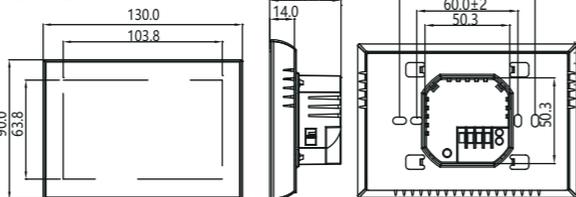
Installation Box: 86 * 86mm Square or European 60mm Round Box

Wire Terminals: Wire 2 x 1.5 mm² or 1 x 2.5 mm²

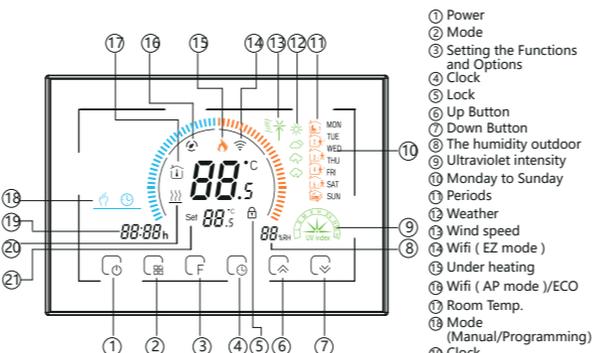
Protection Class: IP20

Buttons: Capacitive Touch Buttons

DIMENSION (Unit:mm)



HOME SCREEN QUICK REFERENCE



- Power
- Mode
- Setting the Functions and Options
- Clock
- Lock
- Up Button
- Down Button
- The humidity outdoor
- Ultraviolet intensity
- Monday to Sunday
- Periods
- Weather
- Wind speed
- Wifi (EZ mode)
- Under heating
- Wifi (AP mode)/ECO
- Room Temp.
- Mode (Manual/Programming)
- Clock
- External sensor temp.
- Set temp.

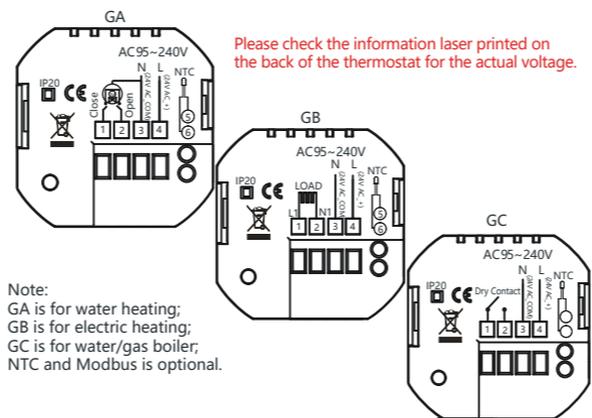
- The displayed humidity, weather, and ultraviolet are outdoor data;
- The data of the weather station is pushed 3-4 minutes after being connected to the Internet, and updated every half an hour;

BEFORE WIRING AND INSTALL

- Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
- Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
- Installer must be a trained, experienced service technician.
- After installation is complete, check out product operation as provided in these instructions.

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

WIRING



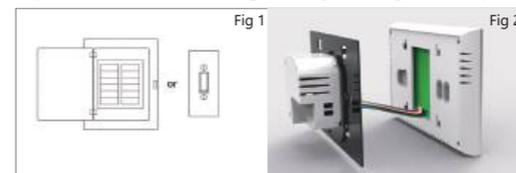
Note:
 GA is for water heating;
 GB is for electric heating;
 GC is for water/gas boiler;
 NTC and Modbus is optional.

INSTALLATION

Your thermostat is suitable for installation within a standard 86mm patress box or European 60mm patress box.

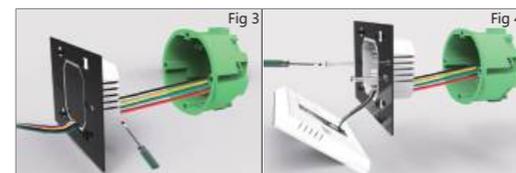
Step 1. Keep power off. See Fig 1.

Step 2. Remove the mounting Plate by rotating the LCD part. See Fig 2.



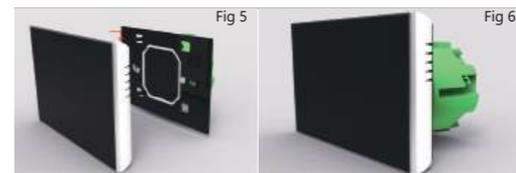
Step 3. Connect power supply, load into the appropriate terminals. (see "Wiring your thermostat" for details and Fig 3).

Step 4. Fix the mounting plate into the wall with screws in.



Step 5. Fasten body of thermostat and the mounting plate through rotating. See Fig 5.

Step 6. Installation complete. See Fig 6.



OPERATION

During Power On

1. Power on/off: Press "⏻" to turn the thermostat on/off.

2. Manual & Programmable

Touch "⏻" to change between manual mode and programmable mode.

In manual mode, "🌡️" will show on the display,

In programmable mode, "🕒" will show on the display.

3. Adjusting/Setting the Clock

Press "🕒" to set minute, hour and weekday. By using the "⬆️" "⬇️".

4. Locking your Thermostat

Press and hold the "🔒" and "⬇️" for 5 seconds to lock/unlock your thermostat

In Options 3 of high senior options, you can select full lock or half lock.

5. Adjusting/Setting the Programmable Schedules

Press "🕒" (You can see "MON" and "🔒")

Press "🕒" until the weekday schedule settings appear (1 2 3 4 5 will show along the right the screen)

Use the "⬆️" "⬇️" arrows to adjust the on time.

Press the icon "🕒" and use the "⬆️" "⬇️" arrows to set the 2nd period.

Press the icon "🕒" and use the "⬆️" "⬇️" arrows to set the temp.

Repeat this process for periods 3 4 and 5 6.

Press the icon "🕒" once more to enter the Saturday schedule settings (6 will show along the top of the screen).

Repeat the above process to set the period and temp. and Sunday schedule.

Press "🕒" once more to confirm and exit.

Default settings for program schedule

Time display	WEEKDAY (MONDAY - FRIDAY) (1 2 3 4 5 shows on screen)		WEEKEND (SATURDAY) (6 shows on screen)		WEEKEND (SUNDAY) (7 shows on screen)	
	TIME	TEMPERATURE	TIME	TEMPERATURE	TIME	TEMPERATURE
Period 1	06:00	20°C	06:00	20°C	06:00	20°C
Period 2	08:00	15°C	08:00	20°C	08:00	20°C
Period 3	11:30	15°C	11:30	20°C	11:30	20°C
Period 4	13:30	15°C	13:30	20°C	13:30	20°C
Period 5	17:00	22°C	17:00	20°C	17:00	20°C
Period 6	22:00	15°C	22:00	15°C	22:00	15°C

A separate schedule may be set for weekdays (Mon – Fri) and for weekends (Sat or Sun).

6. Checking the Temperature of Floor Sensor

Press and hold the "⬇️" arrow for 5 seconds to display the temp. of floor sensor.

7. Setting the Functions and Options

Press and hold "⏻" for 5 sec. in the order to reach system function. Then press "⏻" to scroll through the available functions, and use the "⬆️" "⬇️" arrows to change the available options. All settings are confirmed automatically.

Code	Function	Setting and options	Default
1	Temperature compensation	-9 to 9 °C	-3
2	Deadzone temp.	1-5°C	01
3	Button locking	00: All buttons are locked except power button 01: All buttons are locked	01
4	Sensor types	In: Internal Sensor (to control the temp.) Ou: 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.	5-45°C	35
7	Standby brightness	3-99	4
8	High temperature protection setting	25-70°C	45
9	Low temperature protection setting	0-10°C	0
A	Energy saving mode	00: Energy saving mode 01: Non-energy saving mode	00
B	Energy saving temp.	0-30°C	20
C	Restore factory settings	00: Do not restore factory settings 01: Restore factory settings	00
D	Version number		U1

ABOUT WIFI WI-FI Connection

Before using your Wi-Fi thermostat for the first time, you must configure the Wi-Fi signal and settings using your smartphone or tablet. This enables communication between your devices.

Step 1 Download your APP (Fig1-1)



Fig 1-1



Fig 1-2 IOS



Fig 1-3 Android

Search for "Smartlife" in Apple Store or Google Play or use a browser to scan the QR code above (Figure 1-2), and complete account registration and installation according to the guidance of the APP.

Step 2. Connect the thermostat

Method 1: Bluetooth network distribution (Fig 2.1-Fig 2.6)

Turn on the Bluetooth switch of the mobile phone and set the thermostat to the WiFi enabled state, see the following tutorial to complete the connection and settings.



Fig2.1

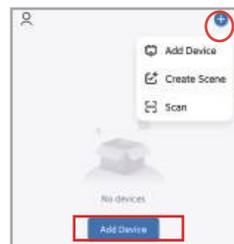


Fig2.2



Fig2.3



Fig2.4

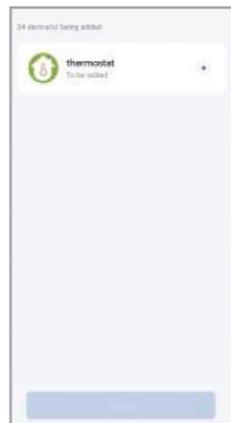


Fig2.5



Fig2.6

Method 2: Scan the QR code to configure the network guide (Fig 2.2 & Fig 2.7-Fig 2.8) complete the connection and setup



Fig2.7

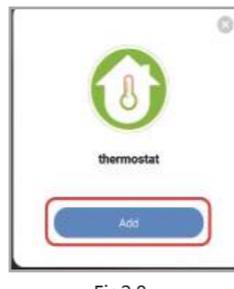


Fig2.8



Scan this QR code



Fig2.7.1

Method 3: Ordinary distribution network guidance (Fig. 2. 2 & Fig. 2.7.1)

Network distribution mode:

1. EZ Mode

Press and hold the " " until the thermostat screen flashes quickly and displays the " " icon, and then operate according to the following figure (Fig 2.9-Fig 2.13).

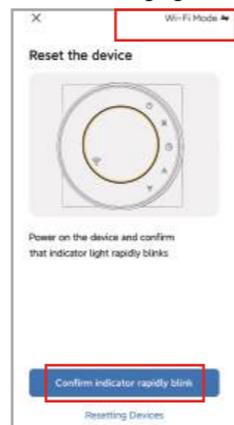


Fig2.9



Fig2.10



Fig2.11



Fig2.12

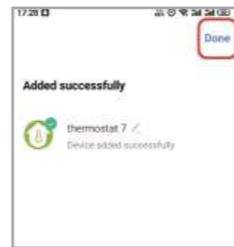


Fig2.13

2. AP Mode

When the thermostat is off, press and hold the " " until the thermostat screen flashes slowly and the " " icon is displayed (if the " " icon appears, continue to press the " " until the thermostat screen flashes slowly and displays the " " icon), and then operate according to the following figure (Fig 2.14-Fig 2.19).

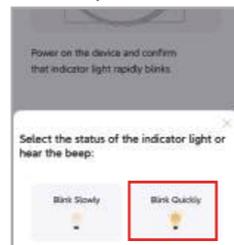


Fig2.14



Fig2.15



Fig2.16



Fig2.17

After connecting to this hotspot, return to the "smartlife" APP



Fig2.18

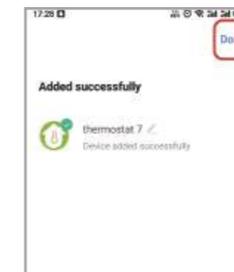
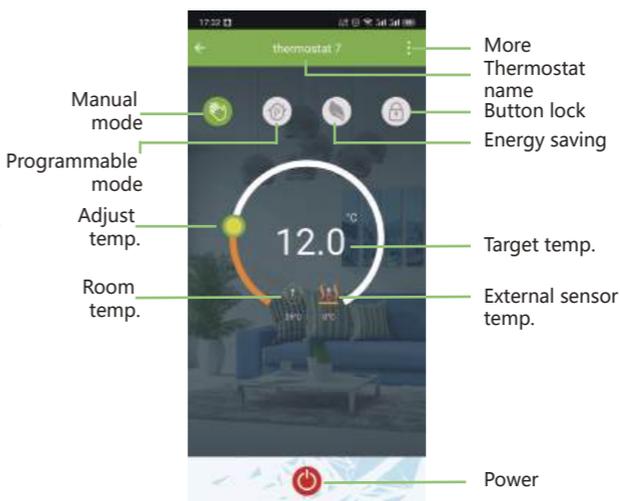
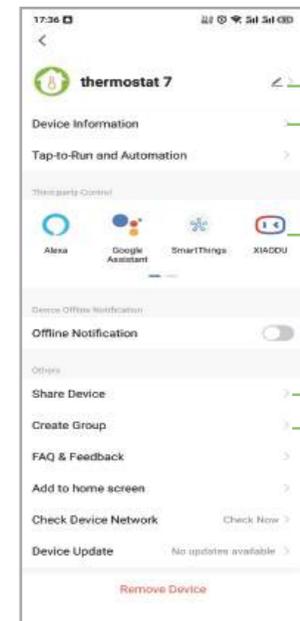


Fig2.19

APP operation interface description (Heating thermostat)



More settings



Simple Exception Handling

No.	Phenomenons	Handling
1	Power is on but without display.	* Check if the terminals between LCD panel and Power Unit Box is loosen.
2	Without output but display works.	* Use a new LCD panel or new Power Unit Box to replace the old one.
3	Room Temp. Is a little different from the actual.	*Do temperature calibration in item 1 of high senior options

Service

Your thermostat carries an 24 months warranty from date of purchase. Service out with the warranty period may incur a charge. More detail please contact with us directly.