BHT-008 Heating Thermostat

User Guide

WiFi type

For Water Heating/Boiler/Electric Heating

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
QC Passed   1pc   Floor Sensor 1pc (Floor Sensor is Optional)

ABOUT YOUR THERMOSTATS

The BHT-008 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 DEFINTION

GA: Water heating, 5A   GB: Electric floor Heating,16A
GC: Water/Gas Boiler, 5A   L: Backlight
P: Weekly Programmable   N: Modbus Communication
W: Wifi
S2: Both internal sensor and floor external sensor
For example: BHT-008 GCLW

FEATURES

On Appearance

1. LED display, more friendly interface;. LED matrix light, simple display, energy saving, protect your eyes.
2. Touch buttons to make simple operation.
3.The ultra-thin embedded panel perfectly fits all kinds of walls; The visiable thickenss above the wall is only 12mm.
4.The borderless small rounded corner design is simple and atmospheric;
5. Full white appearance, perfectly integrated into your family.
6.Compatible with standard 86mm square cassettes and 60mm European cassettes to meet all installation environments;
7.Amazing Silver Frame opens your modern life.
8. Interlock to connect gives you easy installation.

On Functionality
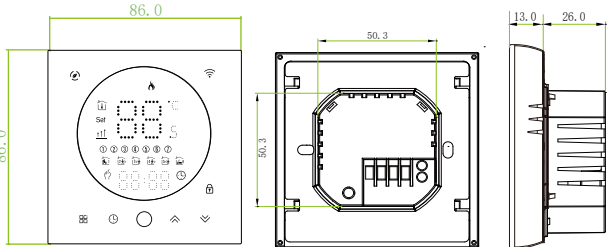
1. Rich function options, Modbus, WIFI, keycard, etc, to meet all your needs;
2. Strict temperature control accuracy (± 1°C) to provide the warmth you want;
3. Power off protection, save all your settings safely;
4. Provide weather information and humidity display
5. Preset adjustment of 5+1+1 mode in a week, programmable setting of 6 time periods a day, green energy saving, Less cost, more intelligent and environmental protection;
6. Support the creation of product local groups/shares to achieve unlimited centralized control of the number of products/ multi-terminal control;
7. Perfect access: Tmall Genie, Amazon echo, Google Home, full experience new voice control method;
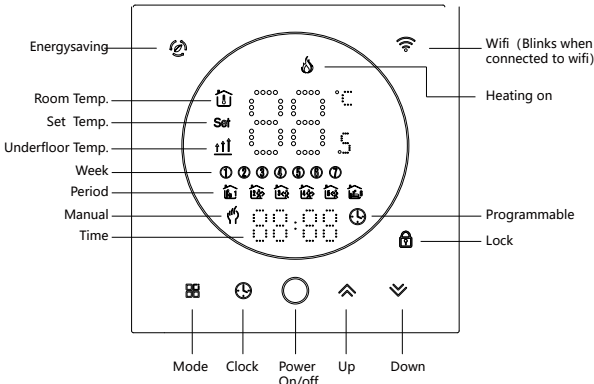
TECHNICAL DATA

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, waterlgas 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

Energysaving
Room Temp.
Set Temp.
Underfloor Temp.
Week
Period
Manual
Time

Wifi (Blinks when connected to wifi)
Heating on
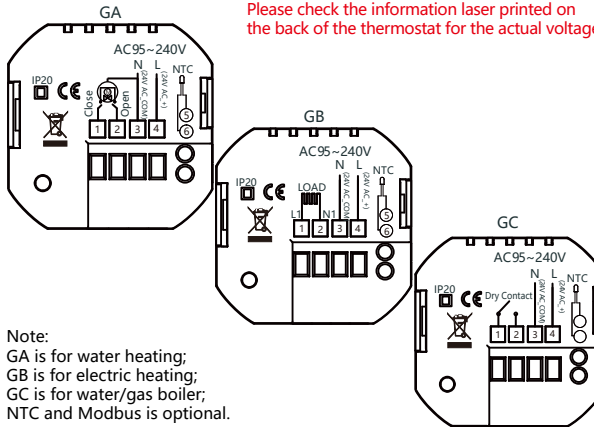Programmable
Lock

Mode Clock Power On/off Up Down

BEFORE WIRING AND INSTALLIN

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

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

WIRING

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

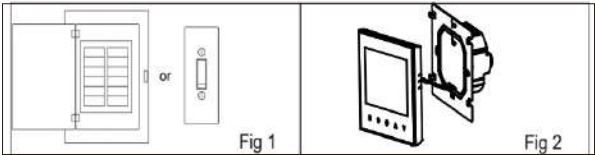GA
AC95~240V

GB
AC95~240V

GC
AC95~240V

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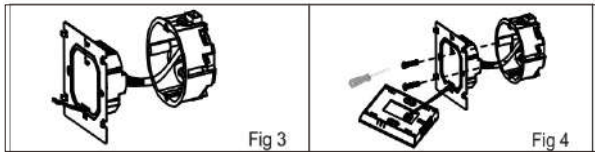GC is for water/gas boiler;
NTC and Modbus is optional.

INSTALLATION

Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm pattress box.
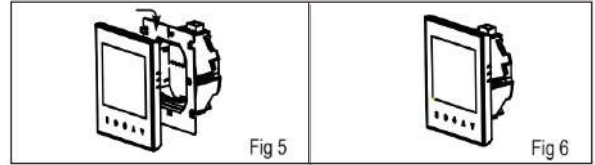
Step 1. Keep power off. See Fig 1.
Step 2. Remove the mounting Plate by pushing the LED assembly. See Fig 2.

Fig 1   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.

Fig 3   Fig 4

Step 5. Fasten body of thermostat and the mounting plate throughrotating. See Fig 5.
Step 6. Installation complete. See Fig 6.

Fig 5   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 programmemode.
In manual mode, " ✋ " will show on the display,
In programmable mode, " ⏲ " will show on the display.

3.Seting Temperature
In the programming mode, the temperature setting and time setting will be locked. If the user wants to adjust, he must first adjust the thermostat to manual mode by pressing the " ⊞ " key.
In the mode of manual, press " ⌃ ⌄ " to set the desired temperature.ock.

4.Adjusting/Setting the Clock
Press " ⏲ " to set minute, hour and weekday. By using the " ⌃ ⌄ " .
Press " ⊞ " once more to confirm and exit.

5.Locking your Thermostat
Press and hold the " ⌃ " and " ⌄ " for 5 seconds to lock/unlock your thermostat. In item 3 of high senior options, you can select full lock or half lock.

6.Adjusting/Setting the Programmable Schedules
Press icon " ⏲ " four times in a row. You can see "MON TUE WED YHU FRI" and " 🏠 " , and the minutes of time are flashing.

Use " ⌃ ⌄ " to set the minutes;
Press the icon " ⏲ " again, the hour of the time will flash, set the hour by " ⌃ ⌄ " ;
Press the icon " ⏲ " again, the temperature setting will flash, set the temperature by " ⌃ ⌄ " ;
This completes the setting of periods1.
In the same way, complete the settings of periods2, 3, 4,5and 6.
Press the icon " ⏲ " once more to enter the Saturday schedule settings (you will see the SAT of the screen).Repeat the above process to set the period and temp. and Sunday schedule.
Press the icon " ⏲ " once more to confirm and exit.

Default settings for program schedule

Time display	MON.-FRI. (①②③④⑤ shows on scteen)		SAT. (⑥shows on scteen)		SUN. (⑦shows on scteen)	
	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

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

7.Checking the Temperature of Floor Sensor
Press and hold the " ⌄ " arrow for 5 seconds to display the temp. of floor sensor. If no external sensor is connected, the thermostat will display "err".Note: Do not use third-party external sensors, the temperature will be incorrect.

8.Setting the Functions and Options
During Power Off, Press and hold " ⊞ " and " ⏲ " for 8 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 ℃		-3
2	Deadzone Temp.	1-5℃		1
3	Button Locking	01:All buttons are locked except power button. 01:All buttons are locked.		1
4	TemperatureMode	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℃		5
6	Max.Set Temp.	15-45℃		35
7	Temp. display	00:Display set Temp. and Room Temp. 01:Only display set Temp.		00
8	Low temp. protection setting.	0-10℃		0
9	High temp. protection setting.	25-70℃		45
10	Energy saving Mode	00:OFF 01:ON		00
11	Energy saving Temp.	0-30℃		20
12	Daytime display brightness (6:00-22:00)	0-8	When set to 0, the device will run for 10 seconds after inactivity.	1
13	Brightness display brightness (22:00-06:00)	0-8	The screen will go completely off with no display.	1
14	The special effect of the standby light ring	0: no light ring 1: The light ring is fully bright after rotation 2: The light ring is always on 3: The light ring keeps rotating		1
15	Reset	00: No factory reset; 01: Factory reset		00
16	Version number			U7

ABOUT WIFI

WI-FI Connection

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

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.
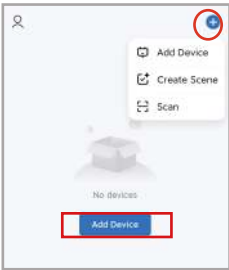
Fig2.1   Fig2.2
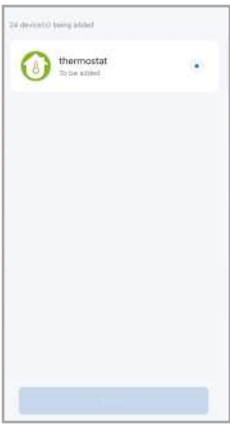
Fig2.3   Fig2.4

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

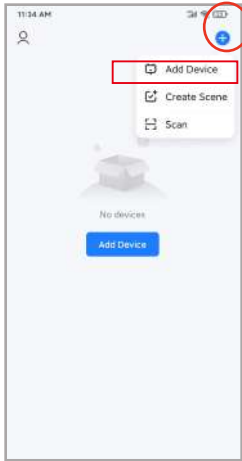Method 3: Ordinary distribution network guidance
(Fig. 2. 9-Fig. 2.10)

Fig2.9   Fig2.10

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 2.11-Fig 2.14).
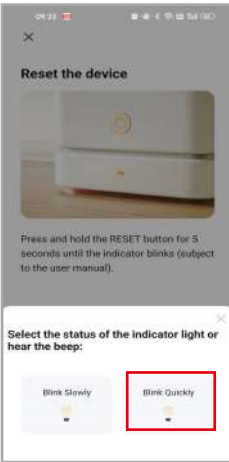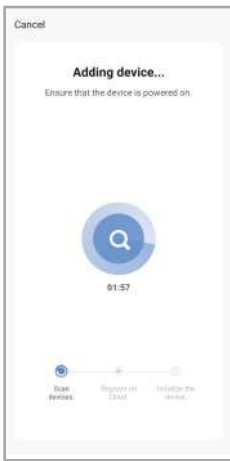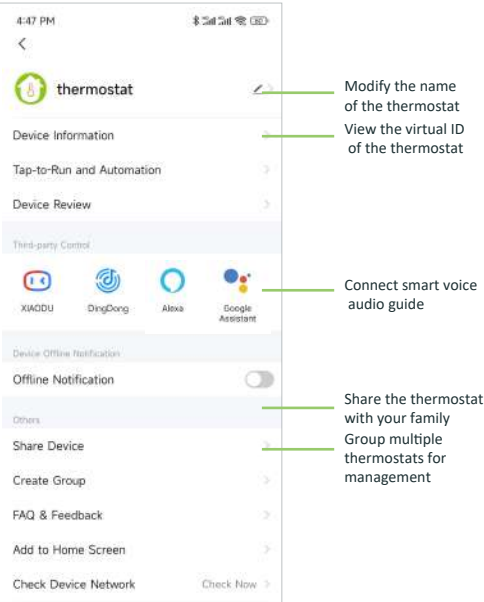
Fig2.11   Fig2.12

Fig2.13   Fig2.14

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

APP operation interface description (heating thermostat))

More
Thermostat name
Manual mode
Programmable mode
Button lock
Energy saving
Adjust temp.
Target temp.
Room temp.
External sensor temp.
Power

More settings

Modify the name of the thermostat
View the virtual ID of the thermostat

Connect smart voice audio guide

Share the thermostat with your family
Group multiple thermostats for management

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.	* Usea new LC panel or new Power Unit Box toreplace the old one.
3	Room Temp. Is a lttle 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 outwith the warranty period mayincur a charge. More detail please contact with us directly.