

BHT-6001 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-6001 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, 5A L: Backlight
P: Weekly Programmable N: Modbus Communication
W: Wifi
S2: Both internal sensor and floor external sensor
For example: BHT-6001 GCLW

FEATURES

On Appearance

- 1. LED display, more friendly interface;
- 2. Touch operation buttons, smoother interaction;
- 3. The ultra-thin embedded panel perfectly fits all kinds of walls;
- 4. The borderless small rounded corner design is simple and atmospheric;
- 5. Compatible with standard 86mm square cassettes and 60mm European cassettes to meet all installation environments;

On Functionality

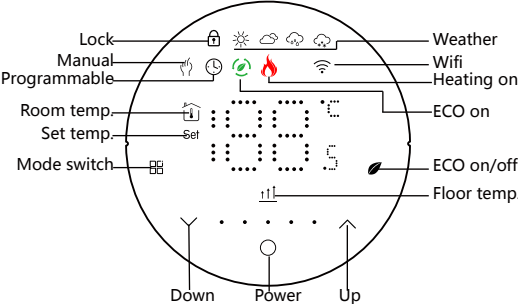
- 1. Rich function options, Modbus, WIFI, keycard, etc, to meet all your needs;
- 2. Strict temperature control accuracy (± 1°C) to provide the warmth you want;
- 3. Power off protection, save all your settings safely;
- 4. Provide weather information and humidity display
- 5. Preset adjustment of 5+1+1 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.

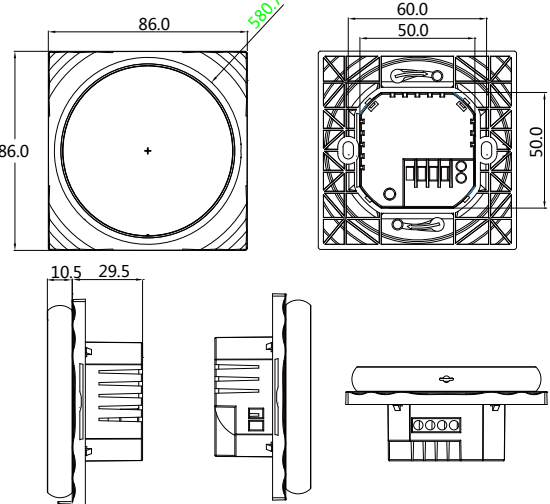
Current Load: 5A (water heating, gas boiler),
16A (electric heating)
Sensor: NTC3950, 10K
Accuracy: ±1°C
Set Temp. Range: 5-35°C
Room Temp. Range: 5-99°C
Display Temp. Range: 5 ~ 99°C
Ambient Temp.: 0~ 45°C
Ambient Humidity: 5 ~ 95 % RH (Non Condensing)
Storage Temp.: -5~ 45°C
Power Consumption: <1. 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

HOME SCREEN QUICK REFERENCE



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

DIMENSION (Unit:mm)

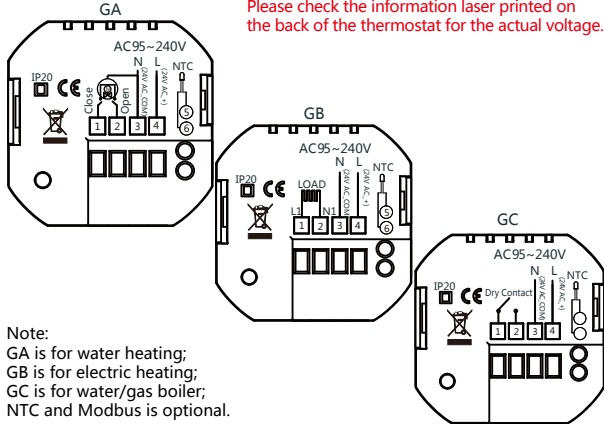


BEFORE WIRING AND INSTALLING

- 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 shock individuals or short equipment circuitry.
Disconnect power supply before installation.

WIRING

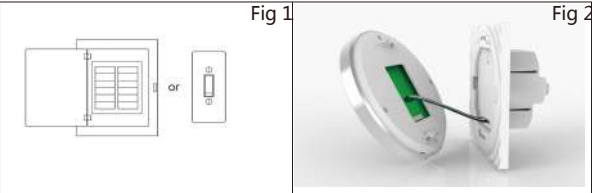


Note:
GA is for water heating;
GB is for electric heating;
GC is for water/gas boiler;
NTC and Modbus is optional.

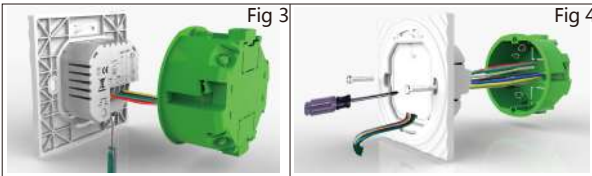
INSTALLATION

Your thermostat is suitable for installation within a standard 86mm 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.



- Step 3. Connect the power supply and load it into the appropriate terminals. (See "Wiring your thermostat" for details and Figure 3).
- Step 4. Securely fix the mounting plate to the wall with screws.



- 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 programmemode.
In manual mode, "↵" will show on the display.
In programmable mode, "⌚" will show on the display.
- 3.Setting 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 manual mode, press "↵" to set the desired temperature..
- 4.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.
- 5.Click the "⌘" button to enable or disable energy saving mode.
- 6.Adjusting/Setting the Programmable Schedules
Please edit the programming mode schedule in the APP.

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 °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.) 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.	15-45°C		35	
7	Temp. display	00:Display set temp. and room temp. 01:Only display set Temp.		00	
8	Low temp. protection setting	0-10°C		0	
9	High temp. protection setting	25-70°C		45	
10	Energy saving mode	00:OFF 01:ON		00	
11	Daytime display brightness (6:00-22:00)	0-8	When set to 0, the device will run for 10 seconds after inactivity. The screen will go completely off with no display.	1	
12	Brightness display brightness (22:00-06:00)	0-8		1	
13	Light ring color selection	0: Red 1: Blue 2: Green 3: Cyan 4: Orange 5: Poplar red 6: White 7: Festival mode 8: Turn off the light ring			3
14	Reset	00: No factory reset; 01: Factory reset			00
15	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 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

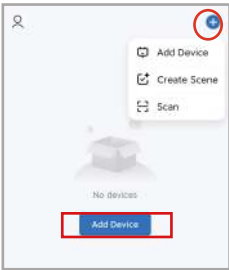


Fig2.2

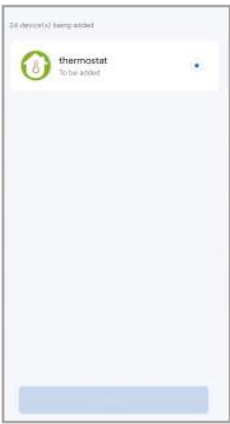


Fig2.5



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)

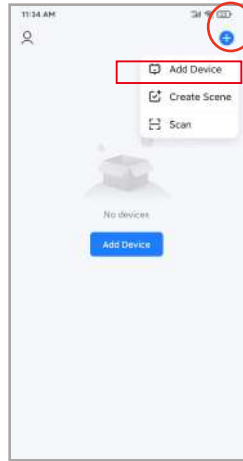


Fig2.9



Fig2.10

Network distribution mode:
1. EZ Mode
Press and hold the " ∨ "until the thermostat screen flashes quickly and displays the " Wi-Fi " icon, and then operate according to the following figure (Fig 2.11-Fig 2.14).

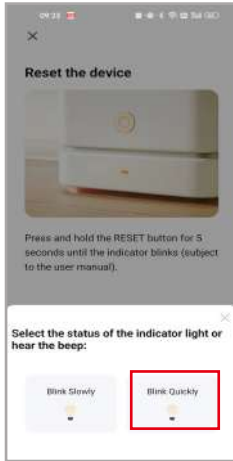


Fig2.11



Fig2.12

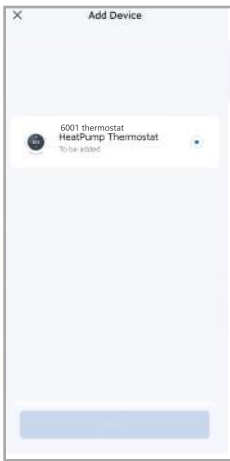


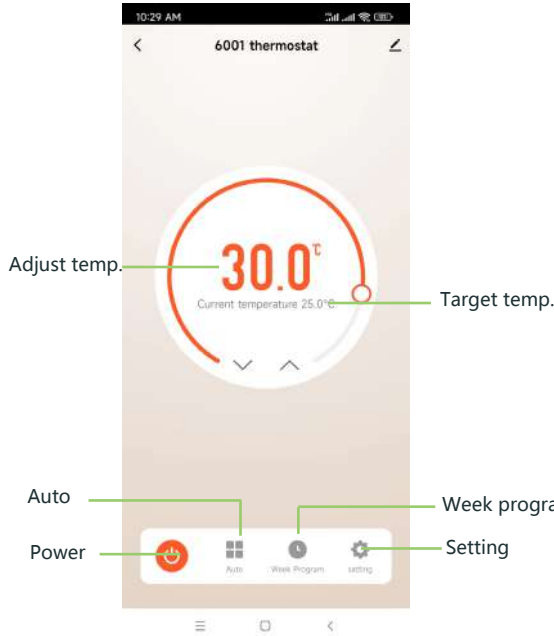
Fig2.13



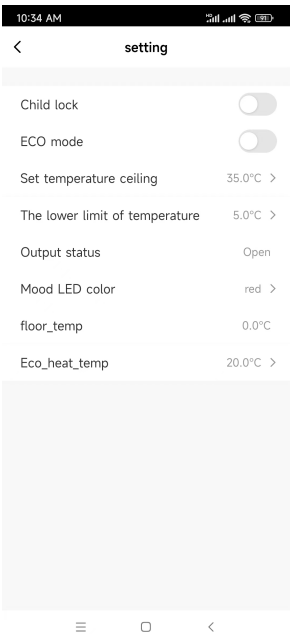
Fig2.14

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

APP operation interface description (heating thermostat)



More 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.	* Usea new LC panel or new Power Unit Box toreplace 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.