BHT-006 Series Thermostat



The BHT- 006 range has been developed to control electric underfloor, water heating or water/ gas boiler systems. These units are designed for use in commercial, industrial, civil and domestic properties

GA: Water heating, 5A GB: Electric floor Heating, 16A GC: Water/Gas Boiler, 5A
L: Backlight N: Modbus Communication W: Wifi
S2: Both internal sensor and floor external sensor

Thank you for purchasing our products, please read the following terms before installation and use:

Please confirm that this product is suitable for your heatingequipment 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 (2.5m) 1pc (Floor sensor is Optional)

TECHNICAL DATA

Power Supply:95 ~240 VAC, 50~60Hz
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.:-10~ 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

FEATURES

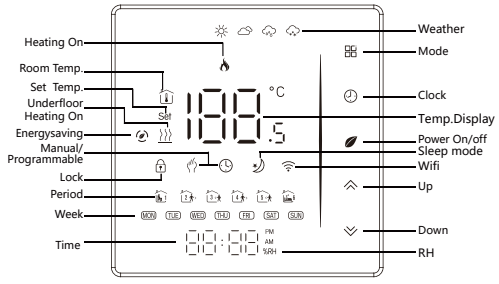
On Appearance

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;

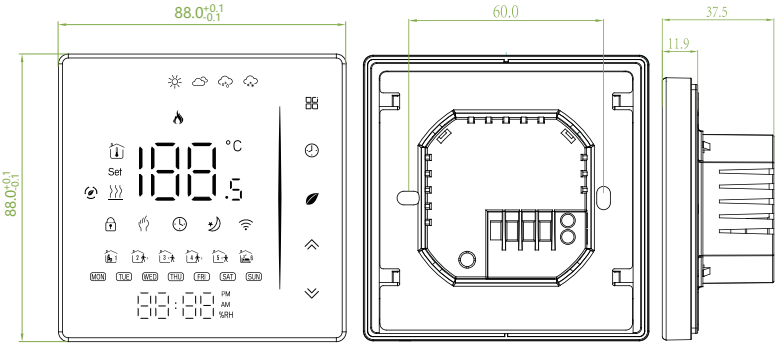
On Functionality

1. Rich function options, Modbus, WIFI, keycard, etc., to meet all your needs;
2. Strict temperature control accuracy (±1℃) to provide the warmth you want;
3. Power off protection, save all your settings safely;
4. Provide weather information and humidity display
5. 7-day-a-week mode preset adjustment, 6 time periods a day programmable settings, green and energy-saving, less expenses, more intelligent and environmentally friendly;
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;

HOME SCREEN QUICK REFERENCE & DIMENSION:(mm)

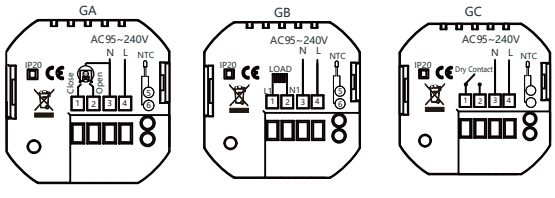


Note: The weather and humidity will be synchronized within 1 hour after the device is connected to the Internet for the first time, and the weather will be synchronized every hour thereafter.
Press the ⩓ /⩔ in the power-on state to display the humidity and set temperature



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

WIRING & INSTALLATION

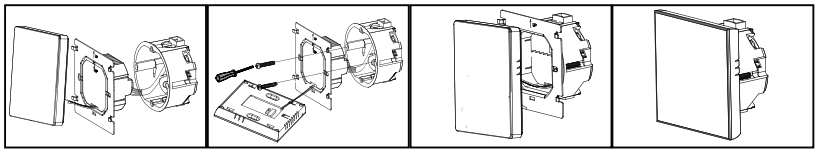


GA is for water heating;
GC is for water/gas boiler;

GB is for electric heating;
NTC and Modbus is optional.

Your thermostat is suitable for istallation within a standard 86mm pattress box or European 60mm pattress box.

1. Accurately connect the power cable to the power terminal box.
2. Fix the mounting plate on the cassette with a screwdriver through two screws.
3. Hang the control panel onto the mounting plate
4. Installation completed



OPERATION During Power On

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

2. Function & 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 mode of manual, press ⩓⩔ to set the desired temperature.

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 ⩓⩔ 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 Program Schedules

When Wi-Fi connection is made, your thermostat will automatically accept the program schedule made via the APP on your device.
If the schedule is set through the APP, after the APP completes the schedule setting, the thermostat needs to be turned off once.

If the thermostat does not establish a Wi-Fi connection, manually set the schedule see below for detailed instructions: To set the program schedules throughyour thermostat (NOT via your smartphone/tablet) simply follow theinstructions as below:
Please note: Setting the programme schedule through your thermostatcan only be carried out if there is no WiFi connection between yourthermostat and smartphone/tablet.

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 and 5 (display periods1,2), 5 (display periods3, 4).
Press the icon once more to enter the Saturday schedule settings (you will see the SAT in the upper left corner 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. (①shows on scteen)		TUE. (②shows on scteen)		WED. (③shows on scteen)		THU. (④ shows on scteen)		FRI. (⑤ shows on scteen)		SAT. (⑥shows on scteen)		SUN. (⑦shows on scteen)	
	TIME	TEMP.	TIME	TEMP.	TIME	TEMP.	TIME	TEMP.	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	6:00~8:00	20	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	15	8:00~11:30	15	8:00~11:30	15	8:00~11:30	15	8:00~11:30	20	8:00~11:30	20
Period 3	11:30~13:30	15	11:30~13:30	15	11:30~13:30	15	11:30~13:00	15	11:30~13:30	15	11:30~13:30	20	11:30~13:30	20
Period 4	13:30~17:00	15	13:30~17:00	15	13:30~17:00	15	13:30~17:00	15	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	22	17:00~22:00	22	17:00~22:00	22	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	22:00~6:00	15	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 "Er".
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 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 ℃	-3
2	Deadzone Temp.	01-05℃	01
3	Button Locking	00:All buttons are locked except power button. 01:All buttons are locked.	01
4	Sensor typer	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.	05-15℃	05
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.	00-10℃	00
9	High temp. protection setting.	25-70℃	45
A	Energy saving Mode	00:OFF 01:ON	00
b	Economy temp.	00-30℃	20
C	Daytime display brightness (6:00-22:00)	00-08 When set to 0, the device will run for 10 seconds after inactivity.	01
d	Brightness display brightness (22:00-06:00)	00-08 The screen will go completely off with no display.	01
E	Reset	00: No factory reset; 01: Factory reset	00
F	Version number		U4

ABOUT WL-FI CONNECTION

Before you use your Wi-Fi thermostat for the first time, you must configure your Wi-Fi thermostat and set it up by connecting to a Wi-Fi signal from your phone, allowing communication between your connected devices.

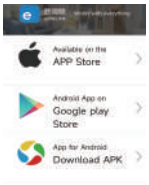
Step 1 Download your APP (Fig1-1)



Fig 1-1



Fig 1-2 IOS/Android



Search "eWeLink" in app stores such as Apple Store or Google Play or use a browser to scan the QR code on the left (1-2), follow the prompts to download the installation package of the corresponding channel and guide you to complete the registration and installation.

Step 2. Connect the thermostat

Turn on the WiFi and Bluetooth switches on your phone, and with the thermostat turned off, press and hold " " until the WiFi icon on the thermostat screen flashes quickly, and then operate as shown below (Figure 2.1-Figure 2.6).



Fig2.1



Fig2.2

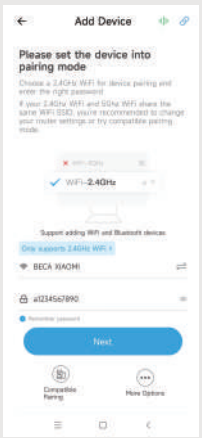


Fig2.3

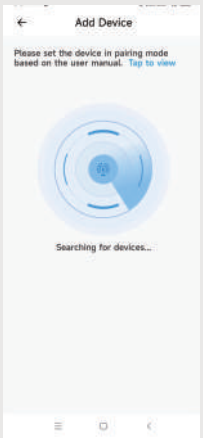


Fig2.4

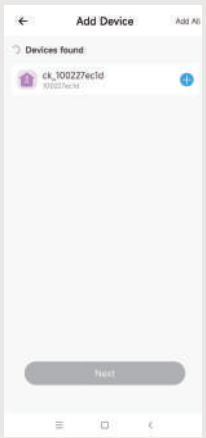


Fig2.5

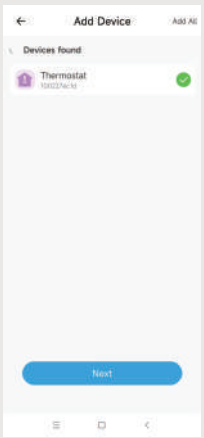
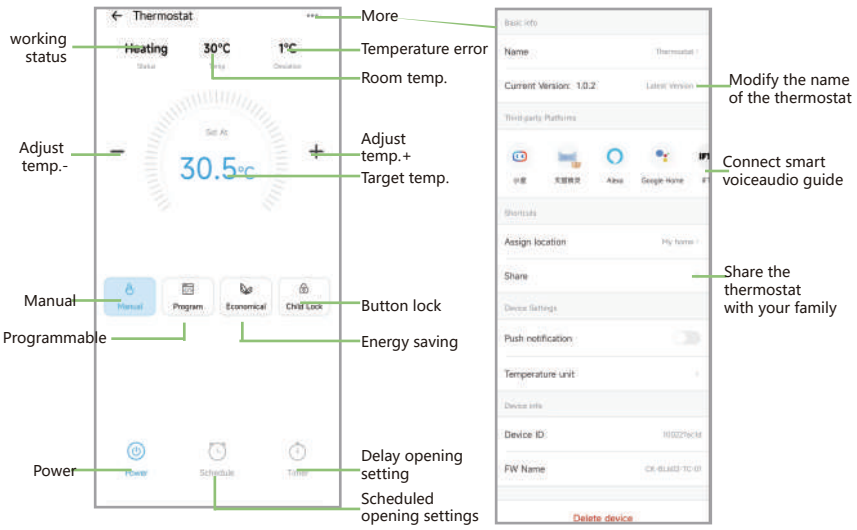


Fig2.6

APP OPERATION INTERFACE DESCRIPTION



SIMPLEMENT 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.