BHT-2007 Smart Knob Thermostat

WIFI Type



For Electric Heating

ABOUT YOUR THERMOSTATS

The BHT-2007 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.

MODEL DEFINITION

GB: Electric floor Heating, 16A

L: Backlight

N: Modbus Communication

W: Wifi

S2: Both internal sensor and floor external sensor

For example: BHT-2007GB

IN THE BOX YOU WILL FIND

Thermostat	1pc	Screws	2pc
User Guide	1pc	Wall plate	1pc
QC Passed	1pc	(Floor sensor is Optional)	

FEATURES

* 1.6-inch circular screen, 400*400 LCD display;
* High-quality textured side knob with obsidian-like material for a delicate fingertip experience;
* 6H or higher tempered glass protects your screen from scratches;
* Sensitive buttons provide an excellent user experience;
* Seven ambient lighting colors add vibrancy to your life;
* Multiple back panel styles available to suit different home décor styles;
* Supports eight languages: Chinese, English, French, Italian, German, Russian, Spanish, and Portuguese.
* Visualized power consumption and electricity costs, time-of-use pricing optimization, power analysis, and single-device energy consumption location;
* AI provides energy-saving suggestions and solutions, as well as energy

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: 16A (electric heating)

Sensor: NTC3950, 10K

Accuracy: ±1°C

Set Temp. Range: 5-45°C

Room Temp. Range: 5-70°C

Display Temp. Range: 5 ~ 70°C

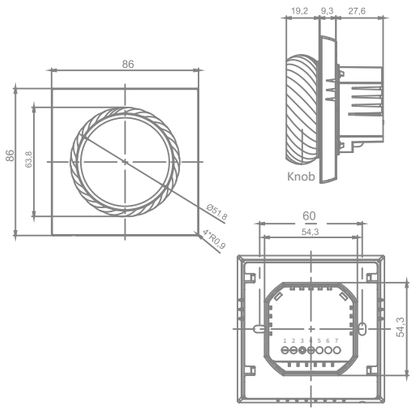
Ambient Temp.: 0~ 45°C

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

Storage Temp.: 0~ 45°C

Power Consumption: <1. 5W

DIMENSION: (mm)



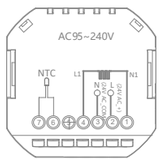
BEFORE WIRING AND INSTALL

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

WIRING

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

GB



Note:

GB is for electric heating;

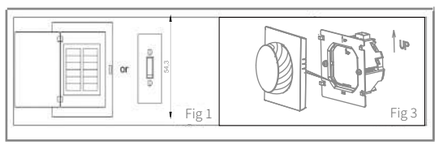
NTC and Modbus is optional.

INSTALLATION

Your thermostat is suitable for istallation within a standard 86mm

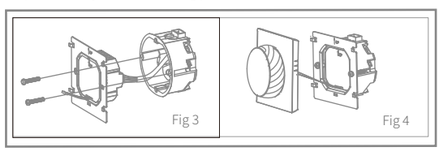
Step 1. Keep power off. See Fig 1.(Live wiring may cause device damage, and such damage is not covered under warranty.)

Step 2. Remove the mounting plate by pushing the assembly. See Fig 2.



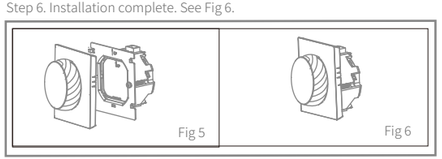
Step 3. Connect the power supply and load it into the appropriate terminals. (See "Wiring your thermostat" for details and Figure 3).

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.

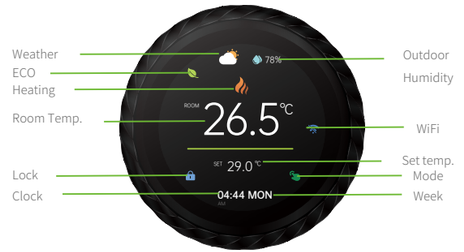
Step 6. Installation complete. See Fig 6.



CAUTION

Risk of electric shock.
Disconnect power before installation.

HOME SCREEN QUICK REFERENCE



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.



Temperature Setting Screen

Tip: Rotate the knob on the main screen to enter the temperature setting interface.

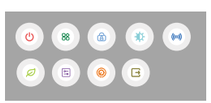
Set temperature range: 5~45°C



Main Control Menu

Tip: Tap the main screen to enter the main control menu.

Main control: Power, Mode, Child Lock, Backlight, Network, ECO, Temp Compensation, Settings, Exit



OPERATION

1. Press the home screen to enter the control interface.
2. Rotate the control interface to select
3. Press the control interface to confirm
4. Long press the control interface to return the home screen

1. Power ON: The thermostat is controlling the heating device.
OFF: The thermostat stops controlling the heating device.



2. Mode Manual Mode / Programming mode (Schedule mode.)



3.Lock On: Rotary thermostat knob activates child lock .
Off: Rotary thermostat knob deactivates child lock.



4. Brightness Standby screen brightness setting. When set to 0, the screen will turn off.



5. WiFi "On" means Wi-Fi config mode; "Off" means not in config mode.



6. ECO "On" enables energy-saving mode; "Off" disables it.



7. Temp calibration After the thermostat has been working for 30 minutes, proceed with temperature calibration (-9~9°C, default -3°C).



8. Setting Click on the settings option to enter the sub-menu, which includes temperature unit switch, clock, sensor settings, and factory reset.



Set week program on your App 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 ℃	06:00	20 ℃	06:00	20 ℃
Period 2	08:00	15 ℃	08:00	20 ℃	08:00	20 ℃
Period 3	11:30	15 ℃	11:30	20 ℃	11:30	20 ℃
Period 4	13:30	15 ℃	13:30	20 ℃	13:30	20 ℃
Period 5	17:00	22 ℃	17:00	20 ℃	17:00	20 ℃
Period 6	22:00	20 ℃	22:00	15 ℃	22:00	15 ℃

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 Downlosd your APP (Fig1-1)

Fig 1-1

Fig 1-2 IOS / 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 2.4), Make sure your phone's Bluetooth, WiFi, and GPS are turned on, and set the thermostat to WiFi-enabled mode. Follow the tutorial below to complete the connection and setup.



Setting wifi to ON means the thermostat is in wifi pairing state.



The wifi icon blinks quickly



Fig2.1

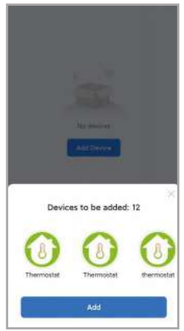


Fig2.2

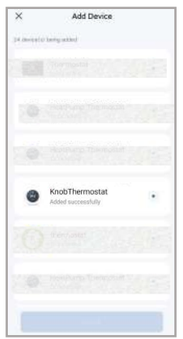


Fig2.3

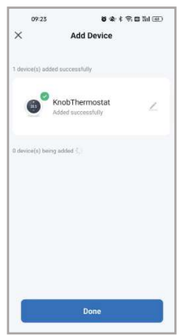


Fig2.4

Method 2: Scan the QR code to configure the network guide (Fig 2.5-Fig 2.9) complete the connection and setup

Scan this QR code

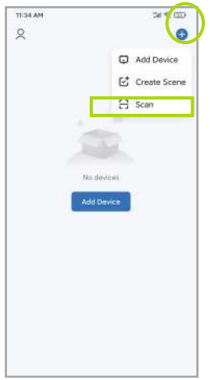


Fig2.5



Fig2.6

Method 3: Ordinary distribution network guidance (Fig. 2. 5.1-Fig. 2.9)



Fig2.5.1



Fig2.6.1



Fig2.7



Fig2.8

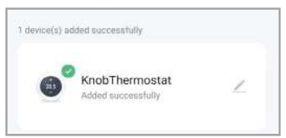
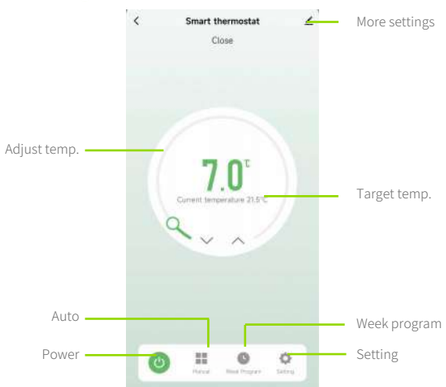


Fig2.9

APP operation interface description (heating thermostat))



Setting And Electricity Usage Monitoring

Click and enter the settings icon on the main interface of the app. In this interface, you can modify various advanced options of the thermostat (Fig3.1), enter the power statistics option, and select the voltage value and cycle time day/month/year (Fig3.2). On the app's homepage, you can view electricity consumption statistics charts for the past 7 days. The data is presented in a visual way, making daily electricity consumption changes clear at a glance (Fig3.3).



Fig3.1

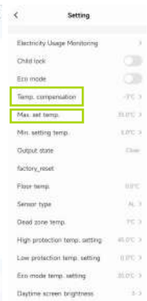


Fig3.2

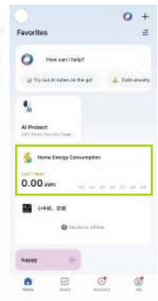


Fig3.3

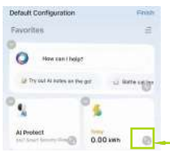


Fig3.4

Long-press on a blank area of the app's homepage to edit the homepage card options. Tap the button in the bottom right corner to switch the card display to the argest or smallest size.

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 out with the warranty period may incur a charge. More detail please contact with us directly.