

Products

– Comfort / Self-learning Thermostat

BHT-009

AI Knob Thermostat



Description

BHT-18 AI Thermostat Through ChatGPT, users can adjust the temperature and check energy efficiency reports by talking to AI. Designed to deliver unprecedented comfort and energy efficiency to your home or office environment.

AI control **10%** ↓↓↓↓
At least save energy

Features

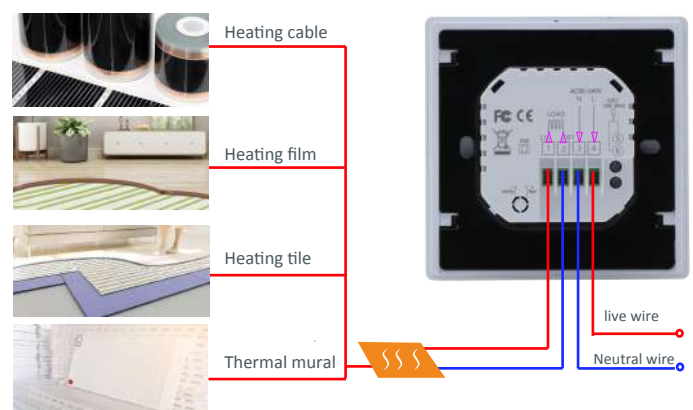
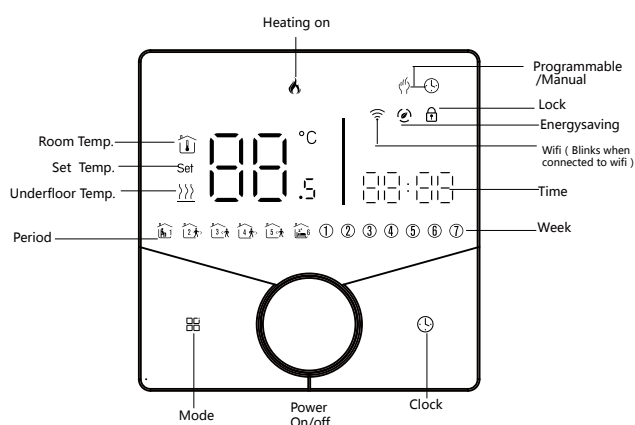
On Appearance

- LED display screen, simple UI, protect your eyes.
- The combination of knobs and touch buttons makes operation easy.
- 12.5mm ultra-thin embedded panel perfectly adapts to various walls;
- Rotating color-changing light ring;
- Black/white or black+white multiple color matching styles, seamless integration.
- Compatible with standard 86mm square box and 60mm European box, adaptable to various installation environments;
- New patented disassembly method for easy installation.

Core hot spots

- Using ChatGPT to converse with the AI and send direct commands for temperature control;
- Show energy savings from thermostat as money saved, for clear ROI;
- Advanced option parameters can be set directly on the APP;
- Equipped with smart learning algorithms to automatically learn user preferences and daily routines;
- Exclusive app platform docking, network configuration is simpler;
- Users can set timed tasks, temperature schedules, and choose smart programming for personalized temperature control

Home screen and wiring



Information & Technical Data

Power Supply: 95 ~240 VAC, 50~60Hz

Current Load: 16A 3000W(electric heating)

20A 4000W (electric heating)

Sensor: NTC3950, 10K

Accuracy: ±1°C

Set Temp. Range: 5-35°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.: -5~ 45°C

Power Consumption: <1. 5W

Timing Error: < 1%

Shell Material: PC +ABS (Fireproof),PMMA

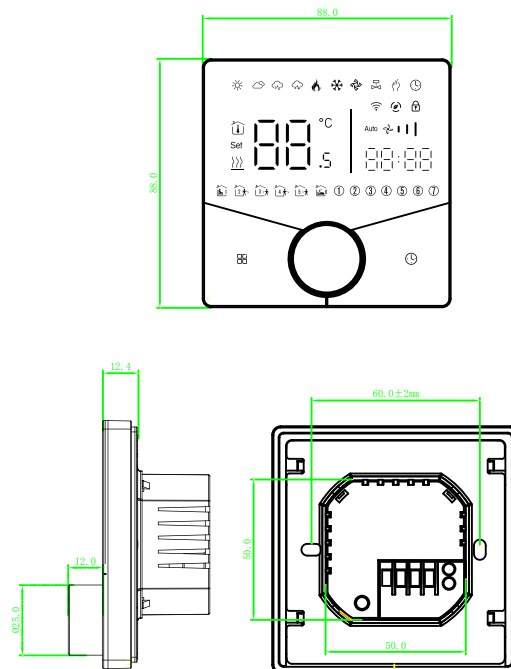
Installation Box:

86 * 86mm Square or European 60mm Round Box

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

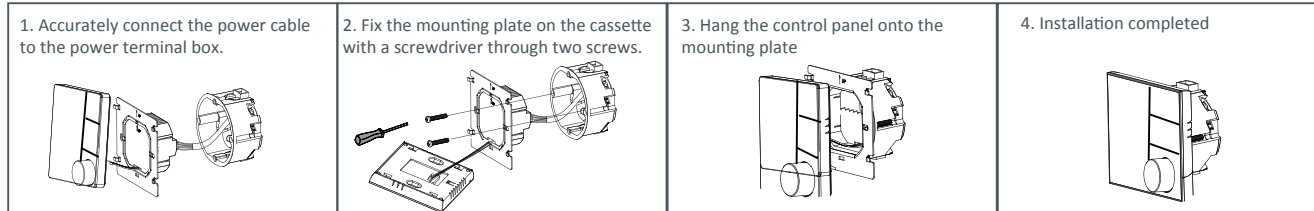
Protection Class: IP20

Buttons: Knob + touch button



Installation

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



Operation During Power On

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

2.Manual & Programmable

Touch to change between manual mode and programme mode .

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, the desired temperature can be set by turning the knob.

4.Adjusting/Setting the Clock

Press to set minute, hour and weekday. and adjust the values by turning the knob.

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 " ① ② ③ ④ ⑤ " and " ", and the minutes of time are flashing.

Turning the knob to set the minutes;

Press the icon again, the hour of the time will flash, set the hour by turning the knob;

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 turning the knob 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 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.	5-15°C	05
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	00

Press the icon again, the temperature setting will flash, set the temperature turning the knob; 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 ⑥ of the screen).

Repeat the above process to set the period and temp. and ⑦ schedule.

Press the icon once more to confirm and exit.

Default settings for program schedule

Time display	MON.-FRI. (① ② ③ ④ ⑤ shows on screen)		SAT. (⑥ shows on screen)		SUN. (⑦ shows on screen)	
	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	11:30~13:30	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 "Er".Note: Do not use third-party external sensors, the temperature will be incorrect.

Code	Function	Setting and options	Default
9	High temp. protection setting.	25-70°C	45
10	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.	03
11	Brightness display brightness (22:00-06:00)		01
12	Screen line standby brightness	1-5	1
13	Power collection_x0002_working voltage	0.24V , 1.100V, 2.110V, 3.120V , 4.220V, 5.230V	4
14	Month		Show only
15	Days		Show only
16	Reset	00: No factory reset; 01: Factory reset	00
17	Version number		U2

ABOUT WIFI WI-FI Connection

1. Install Zigma

- A. Users can download Zigma app through googleplay or app store;
B. Users can also open the browser, scan the QR code on the right, and download the Zigma app



Zigma APP

2. Configure the device

- a. Open zigma app and click "+" in the upper right corner(Fig1.1);
b. Click Add a device(Fig1.2);
c. Scan the QR code of the thermostat on the right (Fig1.4) and turn on the Bluetooth on your phone (Fig1.3);
d. Select WiFi and input password (Requires 2.4GHz WiFi),Fig1.5;
e. Put the device into pairing mode as shown (Fig1.6-Fig1.8).



Fig1.1

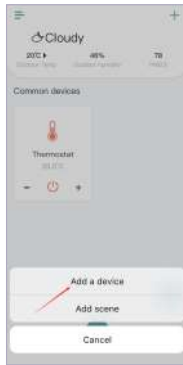


Fig1.2



Fig1.3



Fig1.4



Fig1.5

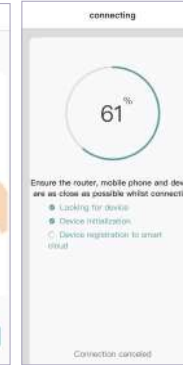


Fig1.6

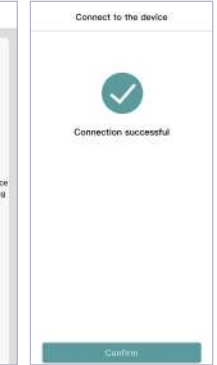
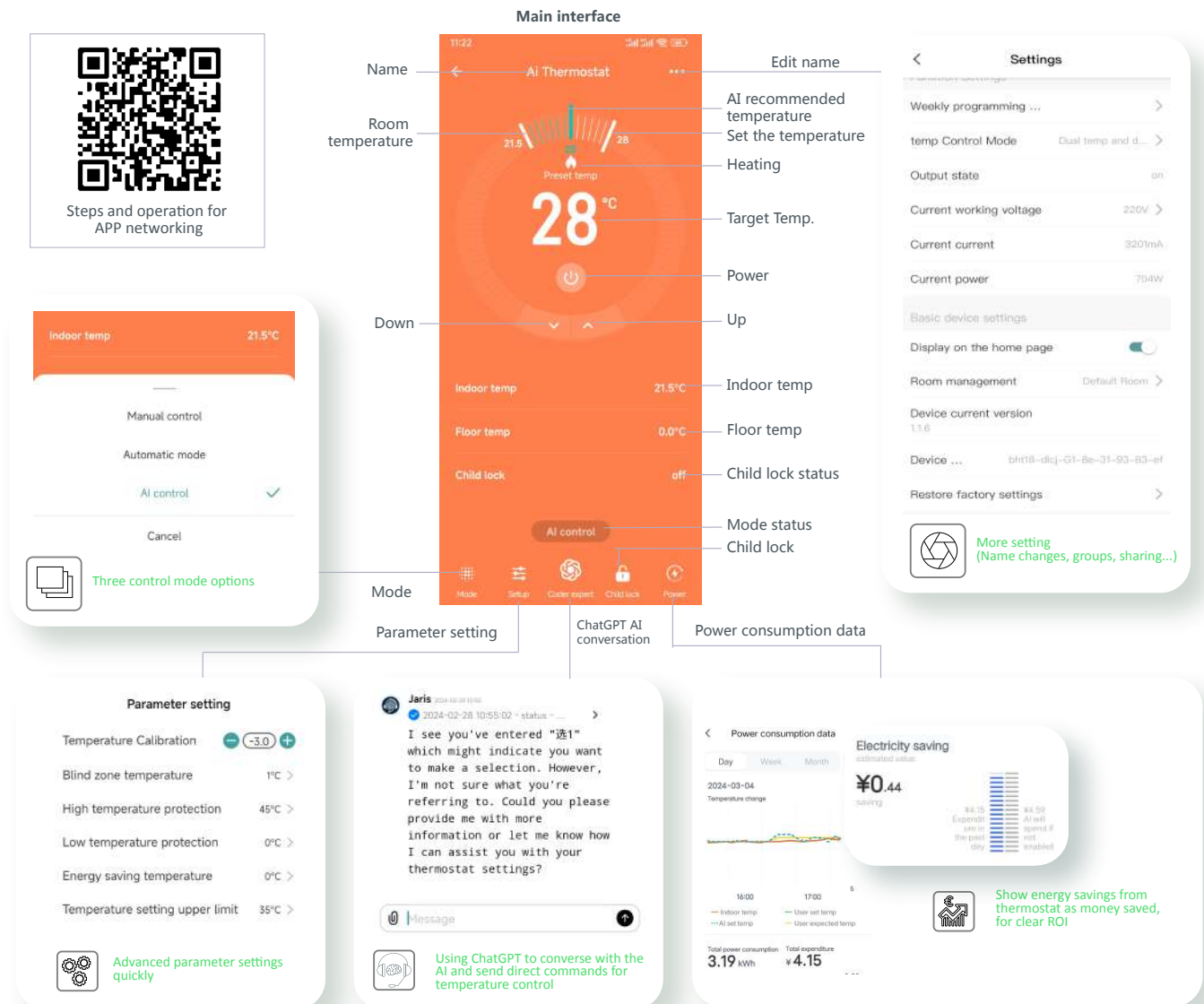


Fig1.7



Fig1.8

3. APP application interface



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.