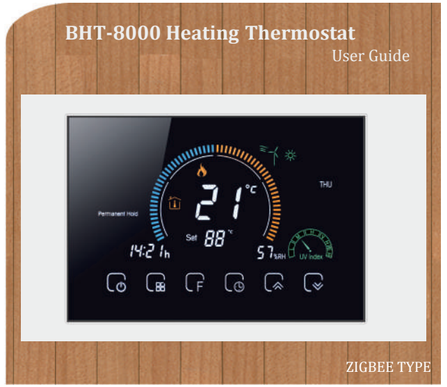


Welcome

Thank you for your purchase.
Your new thermostat will provide uniform and comfortable temperature control throughout every room in your property. We bring together technology, craftsmanship and the highest quality materials to provide you with a safe, reliable product combined with sleek, contemporary design.

please read this installation/programming manual for comprehensive instructions on installing and operating your thermostat. Please also ensure a suitably qualified person installs your thermostat and complies with all local regulations.

In the box you will find

Thermostat	1pc	Screws	2pc
User Guide	1pc	Floor Sensor (2.5m)	1pc
QC Passed	1pc	(Floor Sensor is Optional)	

ABOUT YOUR THERMOSTATS

The BHT-8000 range has been developed to control electric underfloor ,water heating or water/gas boiler systms.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
ZB: Zigbee
S2: Both internal sensor and floor external sensor
For example: BHT-8000 GCZB

FEATURES

On Appearance

1. Negative black sceen will bring you to a secret world.
2. 4.8 inch Large colorful screen display area, creates your colorful life.
3. Touch buttons to make simple operation.
4. Amazing Silver Frame opens your modern life.
5. The visiable thickenss above the wall is only 15mm.
6. The snap connection allows you to easily install.
7. 86mm hidden box and European 60mm round box is suitable.
8. White, black or brushed stainless steel for your selection.
9. Wrap-around cooling holes help heat to escape quickly and avoid affecting temperature detection.

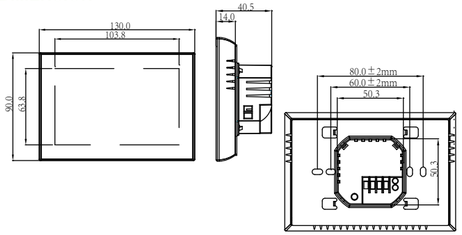
On Functionality

1. Powerful functions are available such as Zigbee etc,.
2. 1℃ accuracy keeps temperature within the level you set.
3. ℃ or ℉ can be customized.
4. Data memory when power is off.
5. 5+1+1 six periods programmable maximize comfort and economy.
6. Temporary programmable.
7. All setting languages sunchronize your time zone, address and language.
8. No limit to add thermostats in App and support Smart Scene..
9. Create thermostat group to Centralized control.
10. Integrate with Amazon Echo, Google Home, Tmall Genie.
11. Support device sharing.
12. Weather, UV index, humidity display help you decide what to wear today.

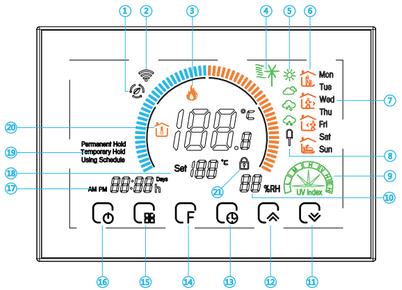
TECHNICAL DATA

Power Supply: 95 ~ 240 VAC, 50 ~ 60HZ
Current Load: Water heating 5A , Electric floor Heating 16A , Water/Gas Boiler 5A
Sensor: NTC3950, 10K
Accuracy: ±1°C
Set Temp. Range: 5 -35°C
Dispaly Temp. Range: 5 ~ 99
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



HOME SCREEN QUICK REFERENCE



1. Wifi (AP mode)
2. Wifi (EZ mode)
3. Heating on
4. Wind speed
5. Weather
6. Periods
7. Monday to Sunday
8. External sensor
9. Ultraviolet intensity
10. The humidity outdoor
11. Down Button
12. Up Button
13. Clock
14. Advanced options
15. Mode
16. Power
17. Time
18. Set temp.
19. Menu
20. Room Temp.
21. Lock

1. The displayed humidity, weather, and ultraviolet are 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;

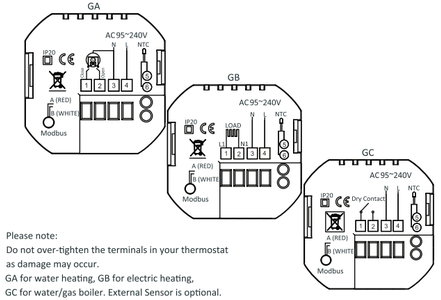
BEFORE WIRING AND INSTALLING

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.

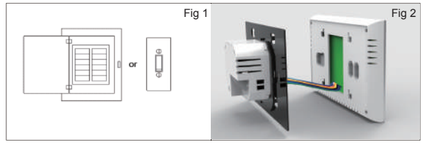
WIRING



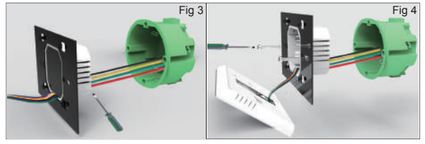
Please note:
Do not over-tighten the terminals in your thermostat as damage may occur.
GA for water heating, GB for electric heating, GC for water/gas boiler. External Sensor is optional.

INSTALLATION

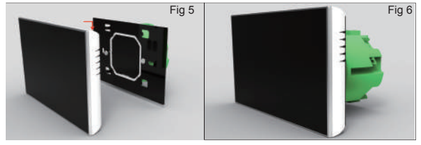
Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm pattress box.
Step 1. Keep power off. See Fig 1.
Step 2. Remove the mounting Plate by rotating the LCD part. See Fig 2.



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



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

Press to set the Permanent Hold, Temporary Hold, Using Schedule, These functions will appear on the screen.
Permanent Hold - Manual. In this mode, Press / to set temperature.
Temporary Hold. During Using Schedule or in this mode, Touch / to set the temporary temp.. It will be valid till the start time of the next scheduled period.
Using Schedule. 7 days a week, 6 periods programmable daily.

3.Adjusting/Setting the Clock

Press till the min of time will flashes;
Touch the icon / to set your minute.
Then press , the hour of time will flash; Touch the icon / to set your hour.
Then press , the week of time will flash; Touch the icon / to set your week.

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.Adjusting/Setting the Programmable Schedules

Press four times in a row. (You can see Mon and)
Press until the weekday schedule settings appear （1 2 3 4 5 will show along the right the screen）
Use the / arrows to adjdust the on time.
Press the icon and use the / arrows to set the off time (2nd period).
Press the icon and use the / arrows to set the temp..
Repeat this process for periods 3 4 and 5 6.
Press the icon once more to enter the Saturday schedule settings (6 will show along the top of the screen).
Repeat the above process to set the period and temp. and Sunday schedule.
Press once more to confirm and exit.

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 (SATURDAY) (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	15℃	22:00	15℃	22:00	15℃

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

6.Checking the Temperature of Floor Sensor

Press and hold the arrow for 5 seconds to display the temp. of floor sensor.

About Zigbee

ZigBee CONNECTION

Step 1 Downlosd your APP (Fig 1-1)

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.

Fig1 Fig2 IOS/Android

Step 2. The second step is to confirm that you have connected to the Tuya zigbee wired or wireless gateway.

For the gateway connection process, please refer to the manual of the gateway you purchased; the following process is based on the "wireless smart zigbee gateway".

Step 3. Connect the thermostat

Check the tutorial below to complete the connection and setup.

Method 1: Scan the QR code to configure the network guide (Fig 3.1-Fig 3.4)

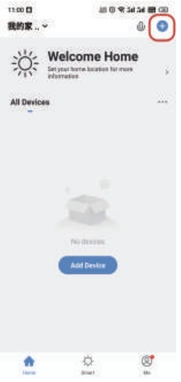


Fig3.1

Fig3.2

Scan this QR code

Fig3.3

Fig3.4

Method 2: Ordinary distribution network guidance (Fig. 3. 5 & Fig. 3.6)

Fig3.5

Fig3.6

Network distribution mode:

1. Zigbee quick connect

When the thermostat is off, press and hold the "down button" until the thermostat screen flashes quickly and displays the "zigbee" icon, and then operate according to the following figure (Fig3.7-Fig3.8).

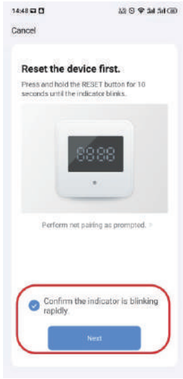


Fig3.7

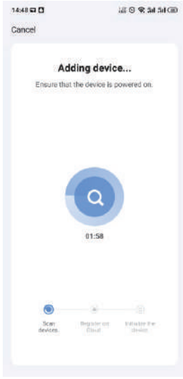


Fig3.8

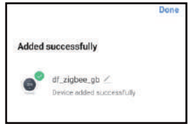


Fig3.9

2. Zigbee gateway connection

With the thermostat turned off, press and hold the "down button" until the thermostat screen flashes quickly and displays the "zigbee" icon, and then operate according to the following figure (Fig3.10-Fig3.13).

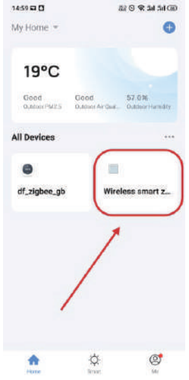


Fig3.10

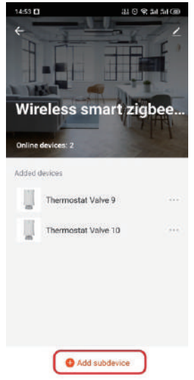


Fig3.11

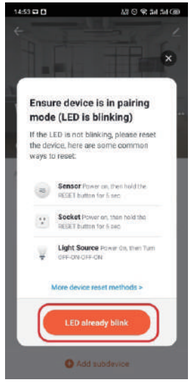


Fig3.12

Fig3.13

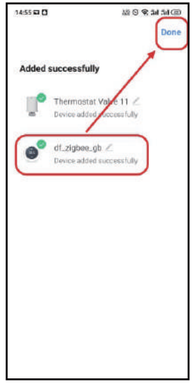
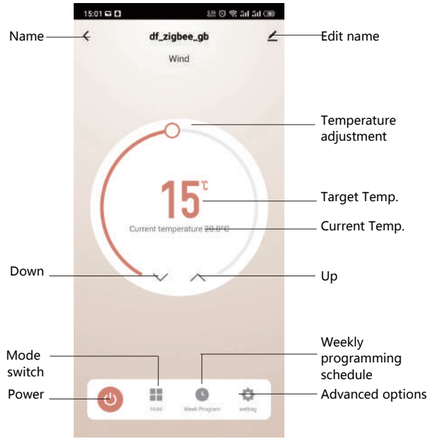


Fig3.14

APP operation interface description (heating thermostat)



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

24-months warranty since date of purchase
Service beyond the warranty period may need charge.
More details, please contact us.