

HEATMANN Smart WiFi FCU Thermostat User Guide



For Fan Coil Unit

Welcome

Thank you for your purchase. Your new thermostat will provide uniform and comfortable temperature control throughout every room in your property

We combine the technology, craftsmanship and the highest quality materials together to provide you a safe, reliable product with sleek and contemporary design.

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

In the box you will find

Thermostat	1pc	Screws	2pc
User Guide	1pc	Wall plate	1pc
QC Passed	1pc		

ABOUT YOUR THERMOSTATS

TT-Control-BT01WF series smart touch Screen Room Thermostats are designed to on/off control the fans and valves in air conditioner applications via comparison of the room temperature and setting temp. as reaching the aim of comfort and saving energy.

MODEL DEFINITION

TT-Control-WBT01WF: White Color

TT-Control-BBT01WF: Black Color

Two pipe; Control Two Wired Motorized Valve And 0-10V Fan

FEATURES

On Appearance

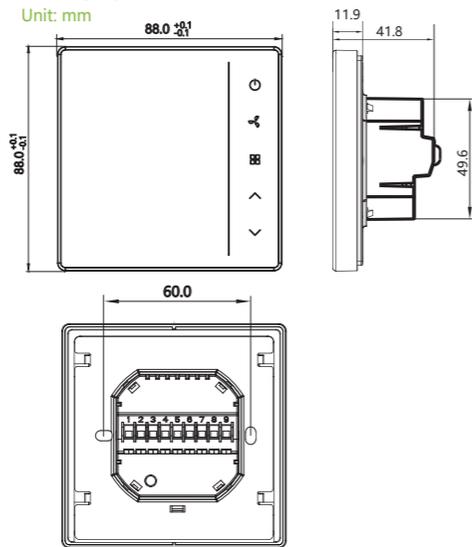
- 86mm hidden box and European 60mm round box is suitable.
- Full white appearance, perfectly integrated into your family.
- LED matrix light, simple display, energy saving, protect your eyes.
- Touch buttons to make simple operation.
- The visible thickness above the wall is only 12mm.
- Interlock to connect gives you easy installation.

On Functionality

- 0.5°C Accuracy keeps temperature within the level you set.
- Data memory when power is off.

DIMENSION

Unit: mm



TECHNICAL DATA

Power Supply: 24 VAC, 50 ~ 60HZ
 Fan Relay Amps Resistance: 5A; Inductive: 3A
 Valve Relay Amps Resistance: 3A; Inductive: 1A
 Sensor: NTC3950, 10K
 Set Temp. Range: 5 ~35 °C
 Accuracy: ±0.5 °C
 Display Temp. Range: 5 ~ 99°C
 Ambient Temp.: 0~45 °C
 Ambient Humidity: 5 ~ 95 % RH (Non Condensing)
 Storage Temp.: -5~ 45 °C Timing Error: < 1%
 Power Consumption: <1.5W
 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 x2.5 mm²
 Protection Class: IP20
 Buttons: Capacitive Touch Buttons

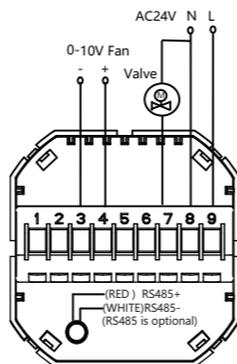
BEFORE WIRING AND INSTALLING...

- Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
- Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
- Installer must be a trained, experienced service technician.
- After installation is complete, check out product operation as provided in these instructions.

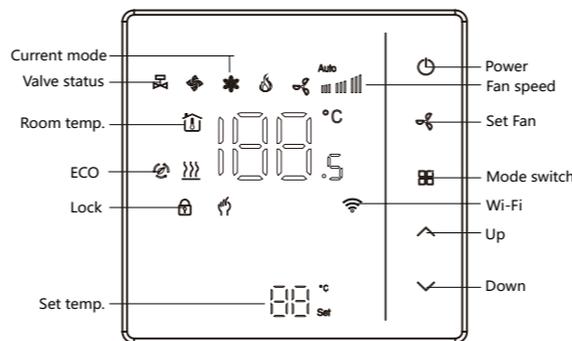
CAUTION

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

WIRING



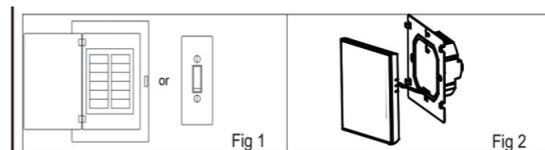
HOME SCREEN QUICK REFERENCE



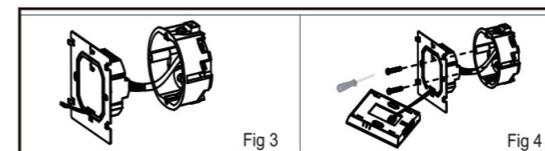
INSTALLATION

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

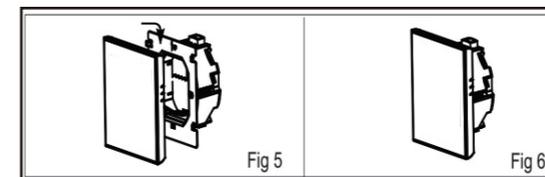
- Step 1. Keep power off. See Fig 1.
- Step 2. Remove the mounting plate by pushing the LED assembly. See Fig 2.



- Step 3. Connect 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 the box. See Fig 4.



- Step 5. Fix the thermostat body and the mounting plate by the lower button. See Fig 5.
- Step 6. Installation complete. See Fig 6.



OPERATION

During Power On

- Power On/off: Press to turn the thermostat on/off.
- Setting Temperature: press to set temperature.
- 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.

4. Selecting System Mode: Press to change the system mode HEATING, COOLING and VENTILATION. In the mode of VENTILATION, the valve is off but the fan runs.
5. Setting the Fan Speed: Press to select the fan speed AUTO, HIGH, MED, LOW.

During power off

Setting the Functions and Options

When power is off, press and hold at the same time for 5 sec. in order to reach system function. Then press to change the different items.

All the settings will confirm automatically when power is on.

Code	Function	Setting and options	Default
1	Temperature compensation	-9 to 9 °C	-3
2	Fan control	00: When room temp. reaches the set point, the fan will turn off 01: When room temp. reaches the set point, the fan will keep low speed running	00
3	Button locking	00: All buttons are locked except power button. 01: All buttons are locked.	1
4	Mode select custom	00: Cooling / Ventilation. 01: Cooling / Heating / Ventilation.	01
5	Min. set temp.	5-15°C	5
6	Max. set temp.	15-45°C	35
7	Energy-saving mode	00: Energy saving mode 01: Non-energy saving Mode	00
8	Cooling energy-saving temperature	10-30°C	20
9	Heating energy-saving temperature	10-30°C	26
10	Fan Low speed	1-10V	3
11	Fan Mid. speed	1-10V	6
12	Fan Hig. speed	1-10V	10
13	Standby backlight brightness	0-8	1
14	Version number		U2

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

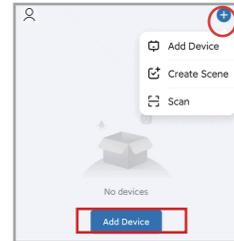


Fig2.2

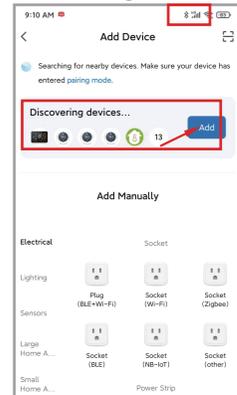


Fig2.3

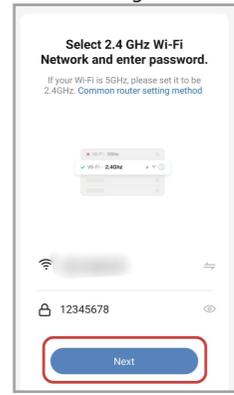


Fig2.4

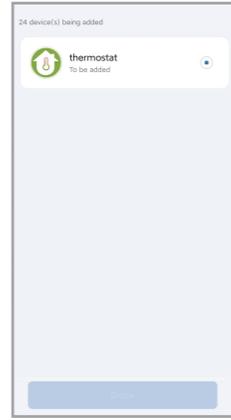


Fig2.5

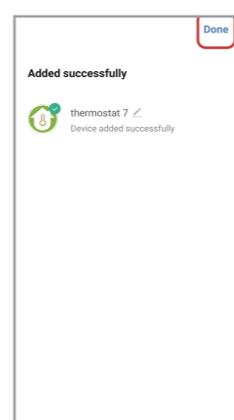


Fig2.6



Fig2.7

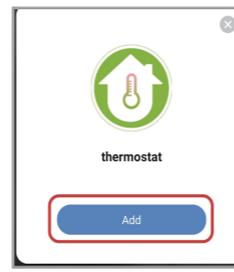


Fig2.8



Fig2.7.1

Method 3: Ordinary distribution network guidance (Fig. 2. 2 & Fig. 2.7.1)

Network distribution mode:

When the thermostat is off, press and hold the "⋮" until the thermostat screen flashes slowly and the "📶" icon is displayed (if the "📶" icon appears, continue to press the "⋮" until the thermostat screen Flashes slowly and displays the "📶" icon), and then operate according to the following figure (Fig 2.9-Fig 2.12).



Fig2.9

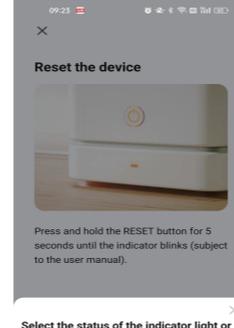


Fig2.10

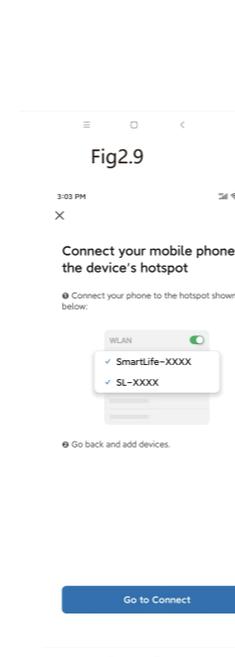


Fig2.11

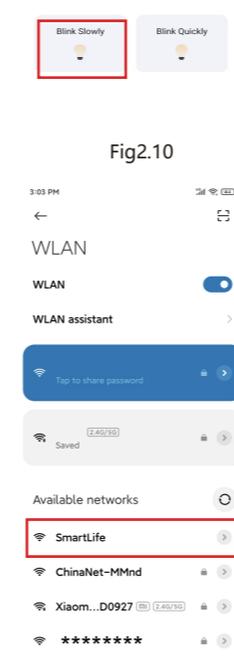


Fig2.12

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

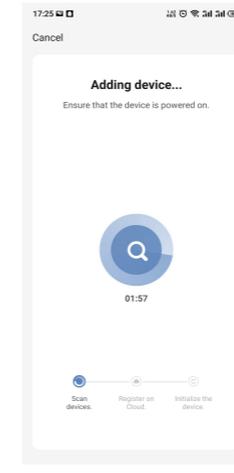


Fig2.18

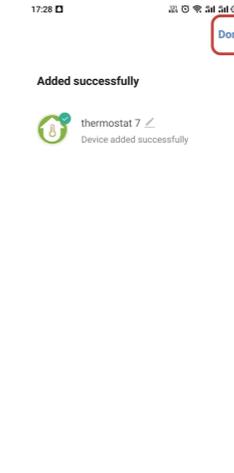
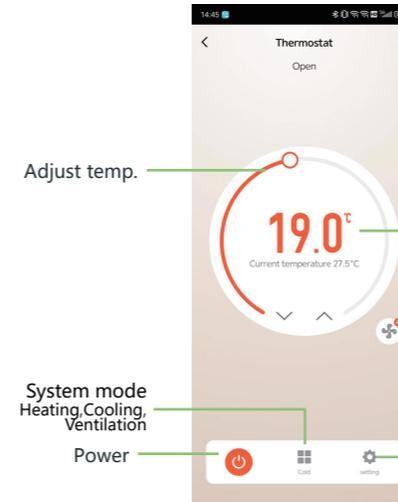


Fig2.19

APP operation interface description (FCU thermostat)



Adjust temp.

Target temp.

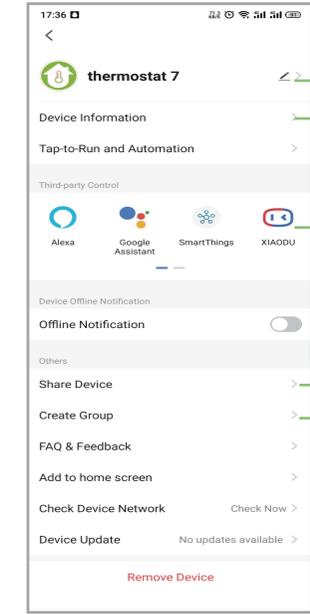
Fan
Auto,Low,Med,High

System mode
Heating,Cooling,
Ventilation

Power

Setting

More settings



Modify the name of the thermostat

View the virtual ID of the thermostat

Connect smart voice audio guide

Share the thermostat with your family

Group multiple thermostats for management

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.	* 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.