

(WIFI TYPE)

EcoNet-TU Room Thermostat User Guide

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

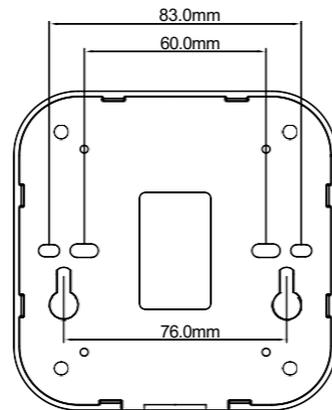
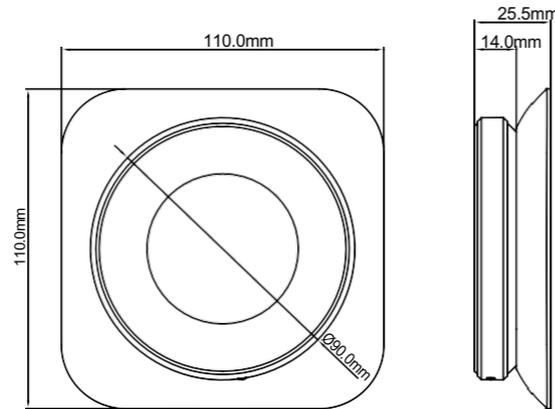
Thermostat *1;	Marking tape *1;	Screws *4;
QC Passed *1;	User Guide *1;	
Power Module *1 (Optional) ;		

CAUTION

1. Electrical Shock or Equipment Damage Hazard. Can shock individuals or short equipment circuitry. Disconnect power supply before installation.
2. Check whether the power supply is 24V, if it is 95-220V, Thermostat can't be used.

Dimension

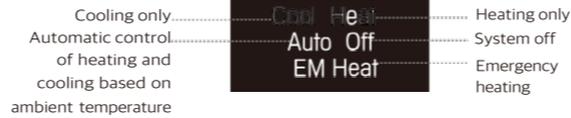
Unit: mm(inch)



Main Page



1. System



2. Fan



3. Menu

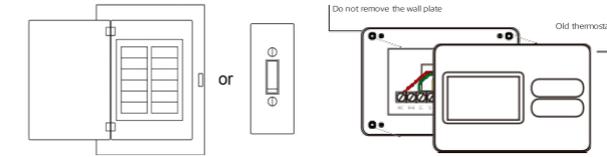


4. Screen

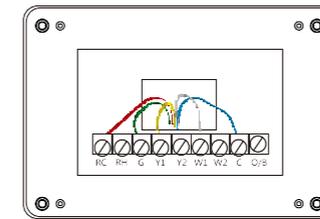


Installation

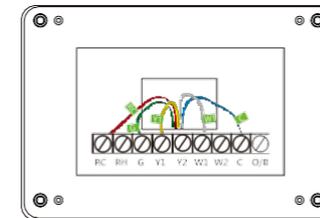
1. Power off, remove the old thermostat. Note: Do not remove the wall plate.



2. Take a picture of your old thermostat wires how to connect to the terminal.



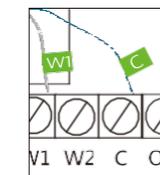
3. Label the wires with Tags.



4. Please confirm old thermostat if have C wiring (Blue line).

Yes → Plan A

No → Plan B



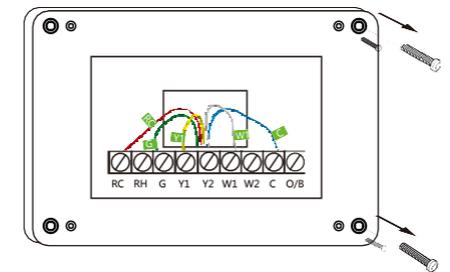
Terminal designation

Terminals	What it means
Rh	24VAC primary for heating
Rc	24VAC primary for cooling
C	24VAC Common Wire
W1	Heat Relay (Stage 1)
W2	Heat Relay (Stage 2)
Y1	Compress Relay (Stage 1)
Y2	Compress Relay (Stage 2)
G	Fan Relay
O/B	Heat Pump Changeover Valve
S	Optional wiring module terminal to combine Y and G, while reserve an extra in-wall wire to power on the thermostat

Plan A:

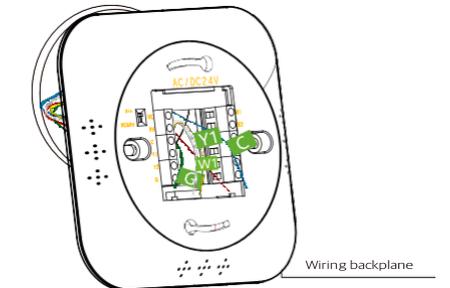
1. Remove the wall plate

Unscrew the wall plate from the wall and gently pull it to ensure the wires do not fall back into the hole.



2. Connect the mounting plate

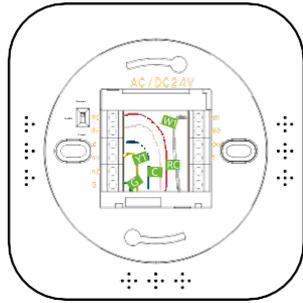
Wire the cables through the holes in the temperature controller mounting plate;



Wiring backplane

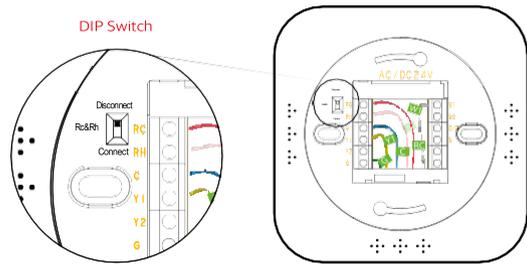
3. Connect the wires to the base

Note: Connect the R or RC wire into the RC terminal, Connect other wires to the corresponding terminals.

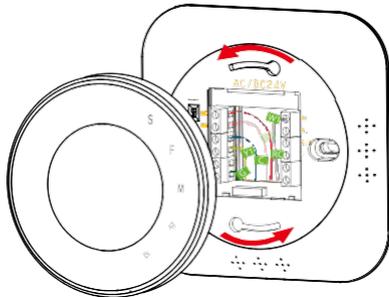


4. DIP Switch

If you have connected both the RC-wire and the RH-wire to the wall plate, adjust the DIP on the back of the thermostat to Disconnect, otherwise switch it to Connect;

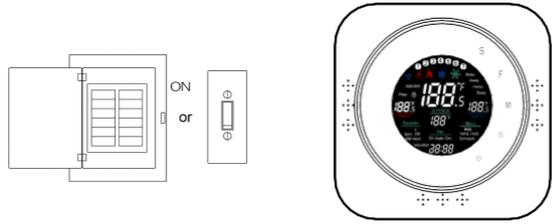


5. Attach the thermostat on base



6. Power on your system

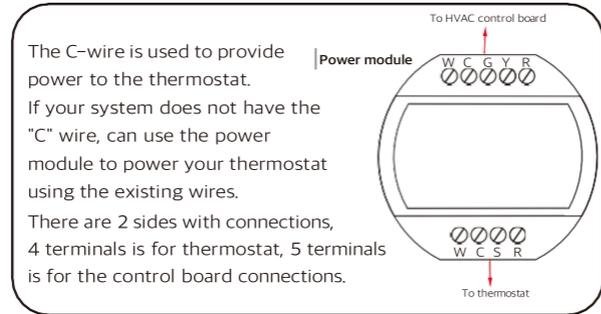
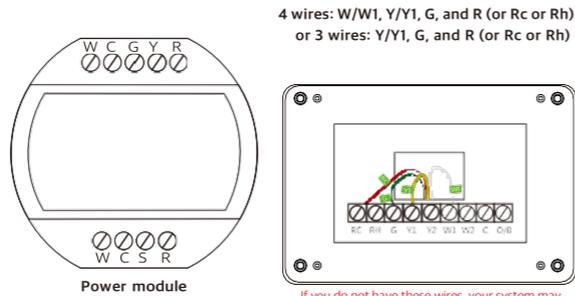
Once powered up, the thermostat screen will light up and display the setup wizard to complete configuration.



Plan B:

What is Power Module?

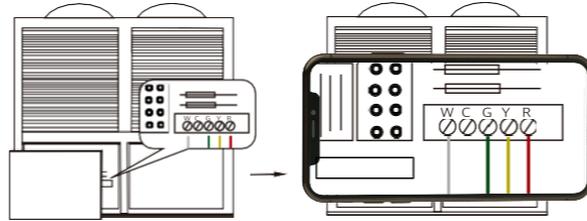
Power module requires your system to have the following wires:



Install the Power Module

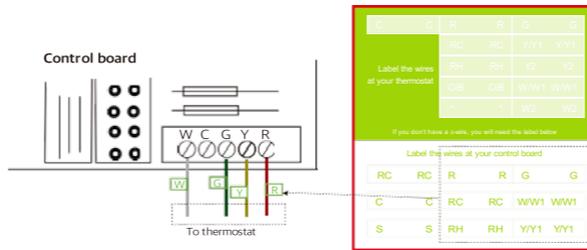
1. Find the HVAC terminals

Find and open the HVAC system's cover. take a picture of the wires connected to the terminals of your old thermostat, you may need to reference this photo later ;



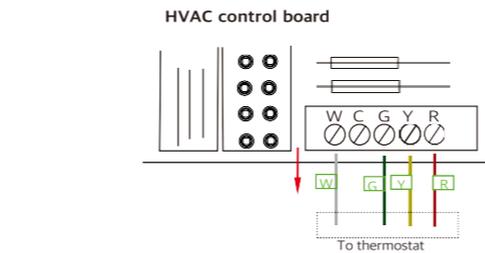
2. Label the wires

Only label the wires from the control board to the old thermostat ;



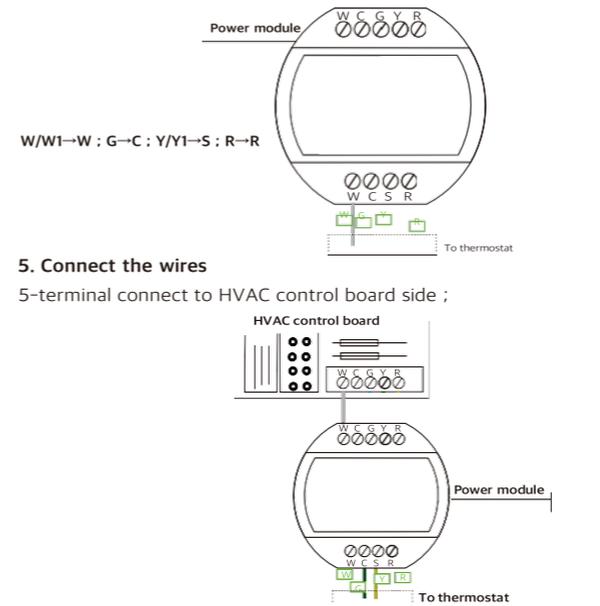
3. Disconnect the wires

Disconnect wires of W/W1, Y/Y1, R to thermostat from control board ;



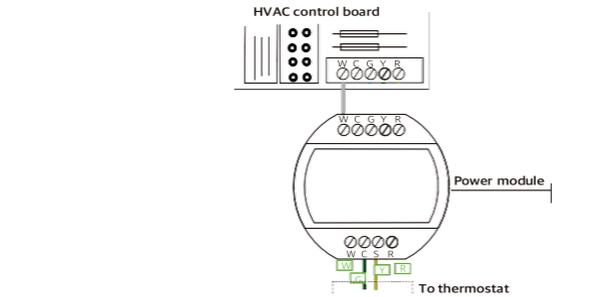
4. Connect the wiring module

Reconnect these wires to the 4-terminal side of the power module. The wires and corresponding terminals are show below ;



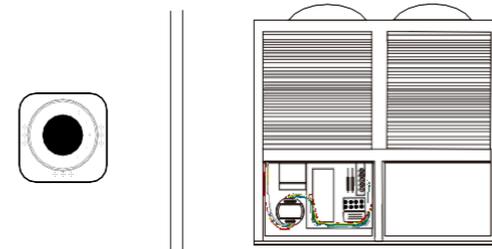
5. Connect the wires

5-terminal connect to HVAC control board side ;



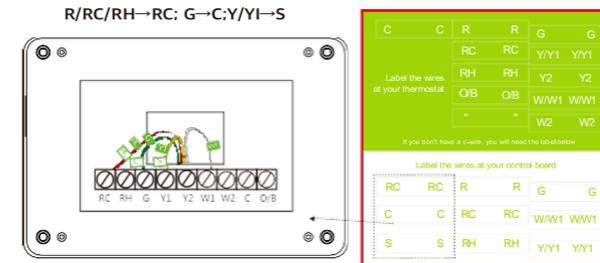
6. Position the wiring module

The power module should be installed between your thermostat wiring and your control board. Install it at the right position then close the HVAC cover panel securely and return to your thermostat ;



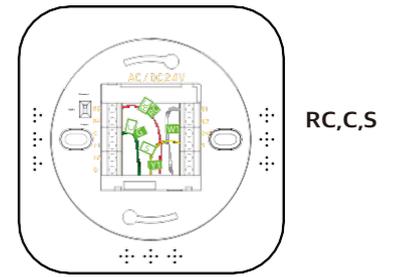
7. Add new tags

Add new taps to the following tags to simplify your wiring;



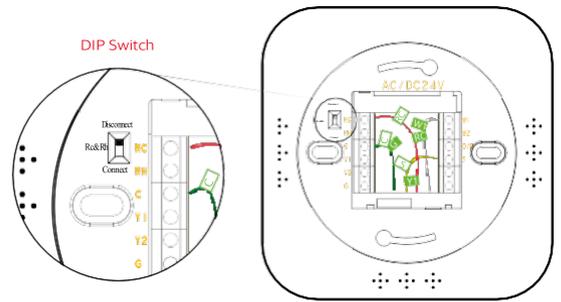
8. Connect the wires to the wall plate

First connect 3 wires as shown below;



9. DIP Switch

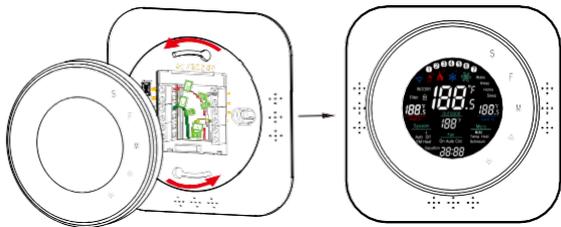
Adjust the DIP switch on the back of the thermostat to the Connect;



10. Attach the thermostat on base

11. Power on your system

Once powered up, the thermostat screen will light up and display the setup wizard to complete configuration.



Operation

1. Selection System Mode

Press **S** to select the mode of: Cool(Cooling only); Heat(Heat only); Auto(Automatic control of heating and cooling based on ambient temperature); EM heat(Emergency heating); Off(Off system).

2. Selection Fan Mode

Press **F** to select the fan mode of: On(Runs continuously); Auto(Automatically adjust the running time of the fan according to the system); Circ(Runs at intervals to circulate indoor air)

3. Selection Menu

Press **M** to select the operating mode of: Permanent Hold (Manual mode); Temporary Hold(Emergency heating; Using Schedule(programming mode).

4. Set time

Press **M** for 3 seconds, the hour of time will flash, touch icon \wedge / \vee to set your time; Press **M**, the minute of time will flash, touch the icon \wedge / \vee set your hour; Press **M**, the week of time will flash, Wait for 4-5 seconds, the settings will be saved automatically.

5. Child lock

Press \wedge & \vee 3sec to set locked or unlocked.

6. Programming mode

Press **M** for 3 seconds, Hour will flash, you will see the wake on the screen, means you start setting schedule for programming mode. Press \wedge / \vee to set time and temperature. You can set Wake, Away, Home, Sleep 4 time period temperature.

Such as:

Schedule	Time	Heat	Cool
Wake	6:00AM	72°F (22°C)	72°F (22°C)
Away	8:00AM	72°F (22°C)	72°F (22°C)
Home	17:30PM	72°F (22°C)	72°F (22°C)
Sleep	21:30PM	72°F (22°C)	72°F (22°C)

7. Advance Options:

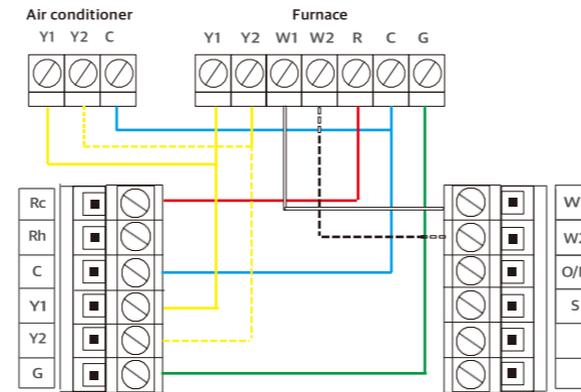
Press **F** & **M** for 3 seconds at the same time, Press **M** to change the different items, you can press \wedge / \vee arrows to change settings.

01 Temperature Calibration	• -9 to 9 , default -5
02 Standby brightness	• 3 to 99 , default 20
03 Min temp set	• °C : 5-15, °F : 41-59 default °C : 5, °F : 41 • °C : 15-35, °F : 59
04 Max temp set	default °C : 35, °F : 95
05 1 stage compressor delay time	• 1-5, default 3
06 2 stage compressor delay time	• 1-5, default 1
07 Fan off delay time	• 1-5, default 1
08 Cycle time for fan cycle mode	• 1-11(5-55), default 2 (10)min
09 Whether to turn on the outdoor compressor at the lowest temperature	• 0: no 1: Yes , default 0
10 Compressor outdoor minimum outdoor temperature	• °C : 0-20, °F : 32-68 default °C : 2, °F : 35
11 Turn on the maximum temperature of the auxiliary heat	• 0:no 1:Yes , default 0
12 Auxiliary heat on outdoor maximum temperature	• °C : 0-18, °F : 32-64 default °C :18, °F : 64
13 Whether the heat pump compressor and auxiliary heat are turned on at the same time	• 0:no 1:Yes , default 1
14 Interval temperature	• °C : 1.5-5, °F : 3-9 default °C : 1.5, °F : 3
15 Cool& Heat set	• 0 to 3 , default 3
16 °F&°C display	• 0: °C 1: °F , default 1
17 Reset to factory set	• 0:no 1:Yes , default 0
18 Filter replacement countdown reminder	• 0 to 180 , default 180 days
19 Enable dual energy	• 0:no 1:Yes , default 0 • 0 : Normal Code ,1: test Code
20 Production line test	default 0
21 Version number	• U1

Wiring diagrams

Below are the wiring diagrams for common HVAC equipment.

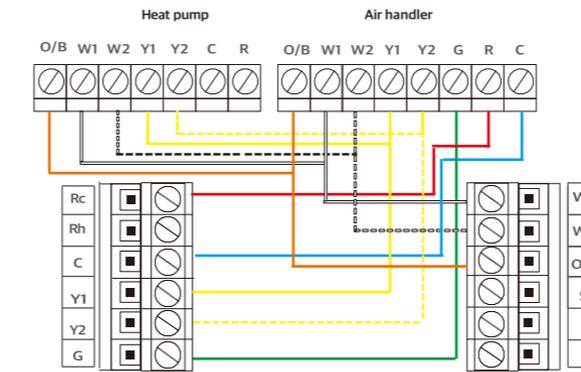
Conventional heating and cooling system



For dual heat and cooling system, if applicable

Remove the jumper between Rh, Rc, or R terminals, adjust the DIP switch on the back of the thermostat to 'Disconnect' if you have connected both RC-wire and RH-wire to the wall plate, otherwise switch it to the 'Connect' side

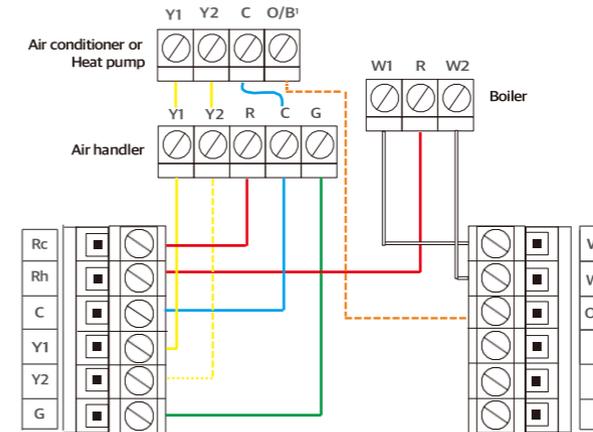
Heat pump (air or geothermal) with auxiliary heat



For dual heat and cooling system, if applicable

Remove the jumper between Rh, Rc, or R terminals, adjust the DIP switch on the back of the thermostat to 'Disconnect' if you have connected both RC-wire and RH-wire to the wall plate, otherwise switch it to the 'Connect' side.

Boiler or radiant system with air handler and conventional cooling or heat pump



For dual heat and cooling system, if applicable
1 (O/B) For heat pump only.

Remove the jumper between Rh, Rc, or R terminals, adjust the DIP switch on the back of the thermostat to 'Disconnect' if you have connected both RC-wire and RH-wire to the wall plate, otherwise switch it to the 'Connect' side.

ABOUT WIFI CONNECTION

Before using your Wi-Fi thermostat for the first time, you must configure the Wi-Fi signal and settings through your smartphone or tablet, This will allow communication between your connected devices.

Step 1 Download your APP (Fig 1-1)



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 (Fig 1-2), and complete account registration and installation according to the guidance of the APP.

Step 2. Connect the thermostat

Check the tutorial below to complete the connection and set up

Method 1: Connect the mobile phone to WiFi and turn on Bluetooth. Add according to figure (Fig 2.1-Fig2.4)



Fig2.1

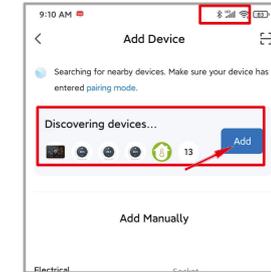


Fig2.2

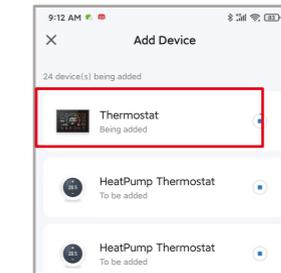


Fig2.3

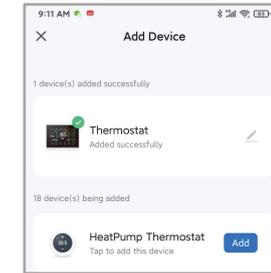


Fig2.4

Method 2: Scan the QR code to configure the network guide (Fig 2.1&Fig 2.5-Fig 2.6)

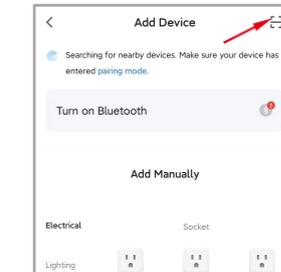


Fig2.5

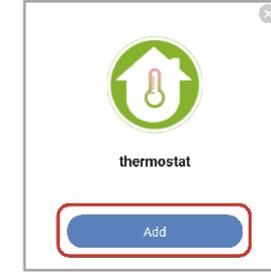
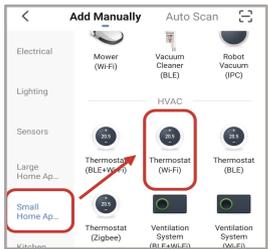


Fig2.6



This QR code must be scanned in the APP, Quick jump thermostat pairing.



Method 3: Ordinary distribution network guidance (Fig. 2.1&Fig. 2.5.1)

Fig2.5.1

Network distribution mode:

1. EZ Mode

Press and hold the " " until the thermostat screen flashes quickly and displays the " " icon, and then operate according to the following figure (Fig 2.7-Fig 2.11).

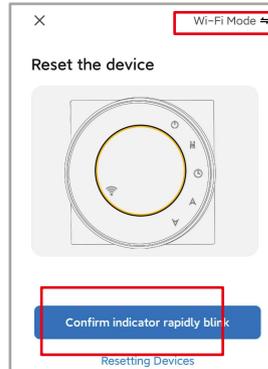


Fig2.7

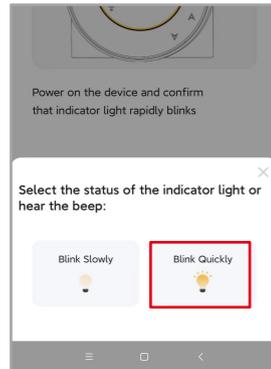


Fig2.8

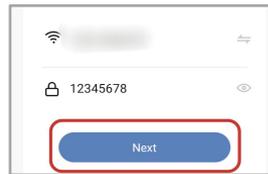


Fig2.9

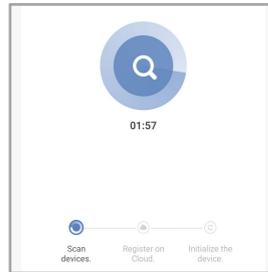


Fig2.10

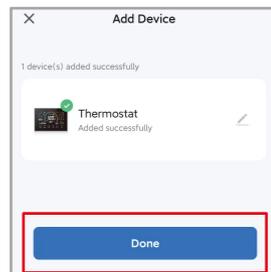


Fig2.11

2. AP Mode

Press and hold until the icon of the thermostat slowly blinks (if the icon is blinking quickly, press and hold until the WIFI icon slowly blinks), then follow the following figure (Fig. 2.12- Fig. 2.17).

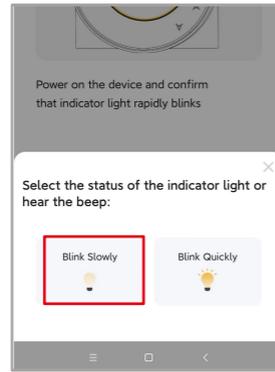


Fig2.12

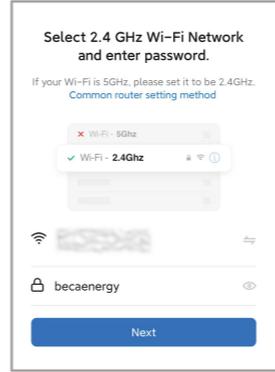


Fig2.13



Fig2.14

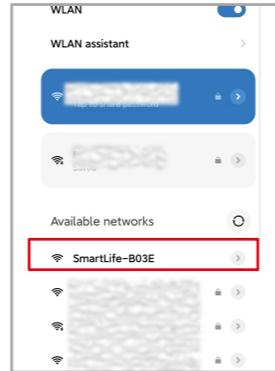


Fig2.15

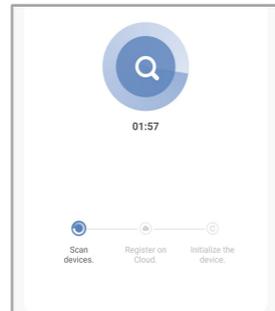


Fig2.16

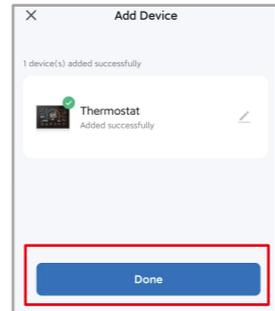
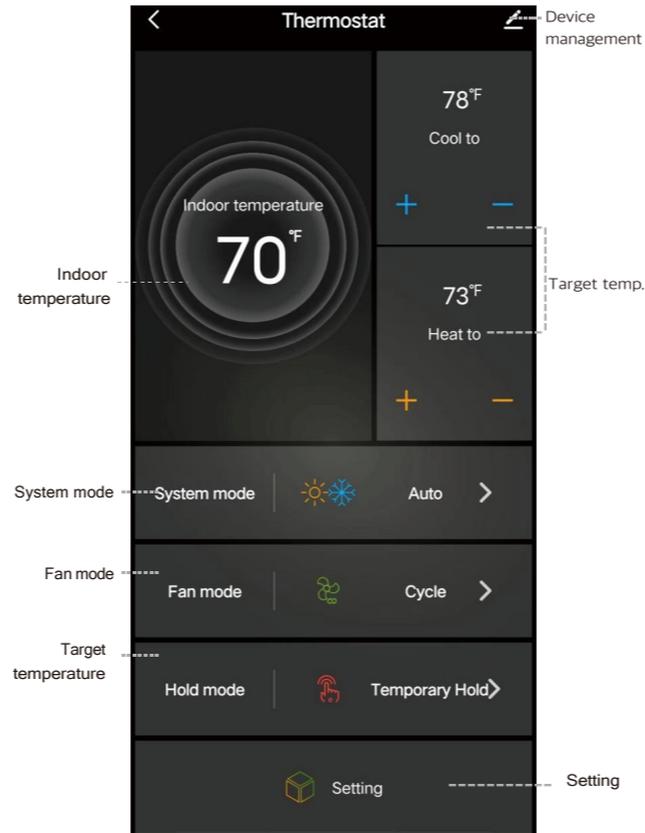


Fig2.17

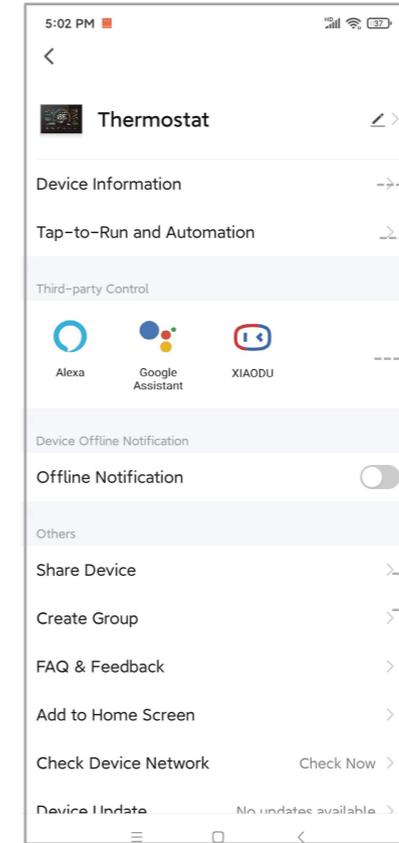
APP operation interface description

(Heat pump thermostat)



- System mode:** Display the current system mode. Tap it to switch the mode.
- Fan mode:** Display the current fan mode. Tap it to switch the mode.
- Hold mode:** Display's the current hold mode, Tap it to switch the mode.
- Target temperature:** Turn up/down the target temperature.
- Setting:** You can edit the setting of device, such as Schedule, Holiday mode, Fan run time etc.

More settings



Service

Your thermostat carries a 24 months warranty from date of purchase. Service out with the warranty period may incur a charge. More detail please contact with us directly.

Technical date

Power Supply	• 24VDC/AC +10%
Current Load	• 1A (Inductive) 3A (Resistance)
Sensor	• NTC3950, 10K
Set Temp. Range	• 41~95 °F (5~35°C)
Accuracy	• 1 °F (0.5°C)
Display Temp. Range	• 41~95 °F (5~35°C)
Ambient Temp.	• 32~113 °F (0~45°C)
Ambient Humidity	• 5~95%RH(Non Condensing)
Storage Temp.	• 23~113°F (-5~45°C)
Timing Error	• <1%
Power Consumption	• <1.5W
Shell Material	• PC+ABS(Fireproof)
Available Installation 1	• Wall mounted
Available Installation 2	• Distance of 62±5mm (Europe, China and Japan)
Available Installation 3	• Hole Distance of 86±3mm (USA and Italy etc.,)
Wire Terminals	• Wire 2x1.5mm ² or 1x2.5mm ²
Protection Class	• IP20
Buttons	• Capacitive Touch Buttons