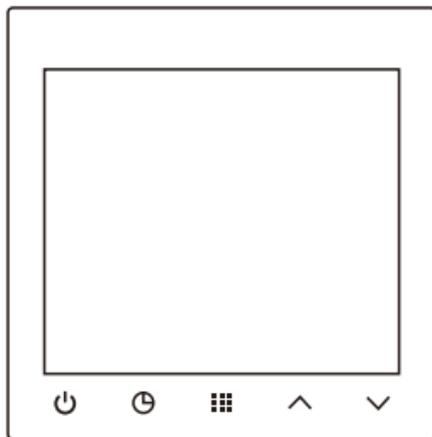




WiFi Thermostat for Electric Floor Heating

User Manual



Content

Specifications	1
Features	2
Installation and diagram	3
Controls and Displays	4
Configuration	5
Link app	11
Warning.....	20

Specifications

Power source: 100-240VAC 50/60Hz

Maximum load electric current: 16A/250VAC

Room temperature setting range: 5°C~35°C

External sensor control range: 5°C~ 70°C(not standard)

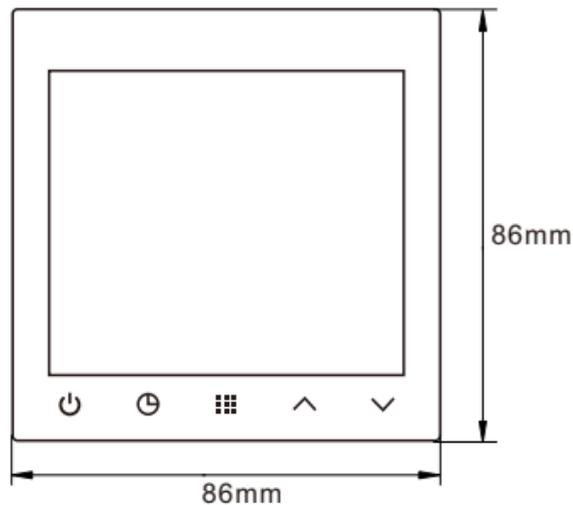
Display accuracy: 0.1°C

Working environment temperature: 0°C~ 50°C

The storage temperature: -10°C~ 60°C

Dimensions: 86mm x 86mm x 13mm

External sensor: Support NTC100K/10K, NTC100K is included in the package



Features:

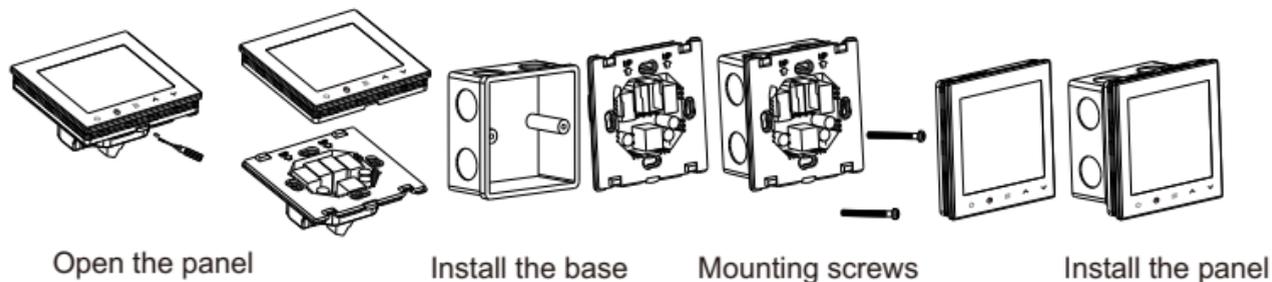
- 4 inch large screen display.
- Control water valve, electric heat actuator, water pump, boiler.
- Permanent retention of user settings during power loss.
- Temperature display recalibration.
- Optional types of control for different heating application including room thermostat; floor thermostat or room thermostat with floor temperature limitation.
- Optional programming Period:7 individual day programming.
- Touch Button. APP control.

Important safety information:

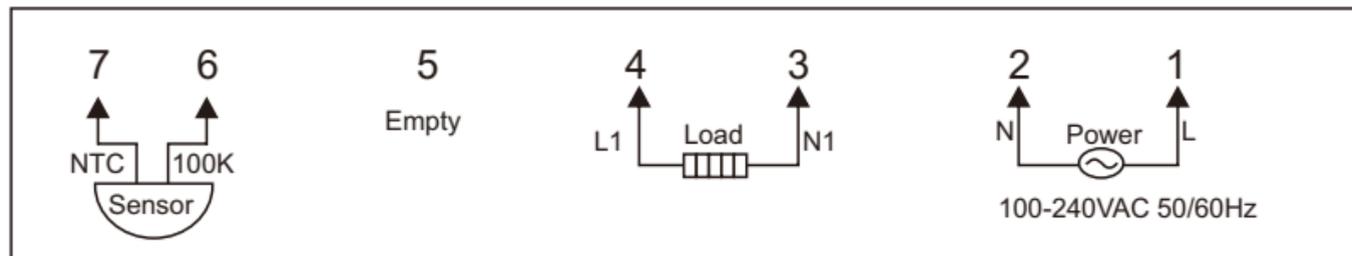
- Read all of the information in this manual before installing this thermostat.
- Before installing, removing, cleaning, or servicing this thermostat, always turn off the main power by unscrewing the fuse or switching the circuit breaker to the off position.
- Ensure installation and maintenance of the thermostats are performed by qualified professionals.
- All wiring must conform to local and national building and electrical codes and ordinances.
- Use this thermostat only as described in this manual.

Install the thermostat

Attach thermostat base to the wall

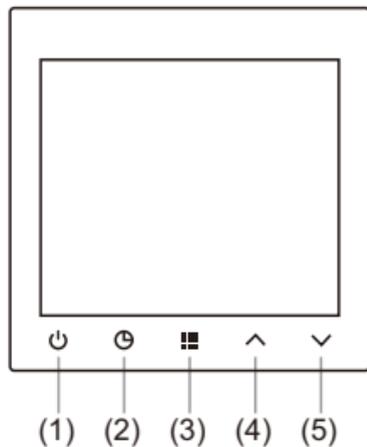


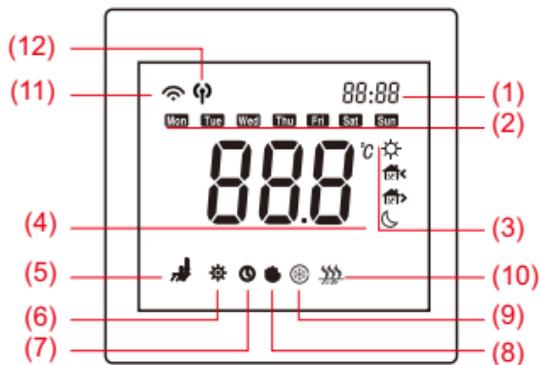
Elementary diagram



Controls and Displays

- 1)  **ON/OFF/Confirm button:** Press briefly to toggle the thermostat on/off. Press to confirm and exit settings.
- 2)  **Time button:** When the device is powered on, long press 5 seconds to enter time setting.
- 3)  **Menu button:** When the device is powered off, long press to enter the configuration menu. When the device is powered on, long press to set the programming if programming mode is enabled.
- 4)  Increase the value
- 5)  Decrease the value





- (1) Set temperature or time display
- (2) Day in week / Current day
- (3) current programming period
- (4) Room temperature display
- (5) Sensor mode display
- (6) Configuration
- (7) Program running
- (8) Manual operation
- (9) Anti-frost function is enabled
- (10) Heating phase
- (11) WIFI mode
- (12) AP mode

1. Configuration menu

Use the pre-initialization Settings menu

The thermostat also has advanced thermostat settings for further customization of the device to your wishes and demands. You can enter the advanced settings by turning off the thermostat. The screen should show "OFF". Then hold the middle menu button "⋮" for 5 seconds. The screen will be turned on and the display will show "CL" and a small gear icon "⚙" will appear on the bottom. That means that you're now in the advanced settings and you're editing the first setting.

Restore factory default setting:

In the configuration menu, push button for 3 seconds. Display will show "DEF" and return to the first setting which indicates all the configuration has reverted to factory default setting.

An explanation of each setting is given below:

Item	Press button	Displayed (factory default)	Press \wedge or \vee to select	Descriptions
1	■ ■ ■	CL (0.0)	-6 --- +6	Select temperature display adjustment higher or lower
2	■ ■ ■	RH (35°C)	20°C—70°C	Select maximum room setting temperature
3	■ ■ ■	RL (5°C)	5°C—20°C	Select minimum room setting temperature
4	■ ■ ■	FH (40°C)	20°C—70°C	Select maximum floor setting temperature
5	■ ■ ■	FL (5°C)	5°C—20°C	Select minimum floor setting temperature
6	■ ■ ■	SEN (RL)	RL / In / OU	Sensor mode option RL : Built-in sensor controls room temperature, external sensor monitors floor temperature In : Only the internal sensor is used. OU : Only the external sensor is used
7	■ ■ ■	BL (2)	1/2/3	Backlight mode 1 : Screen backlight lasts 30 seconds, then turns off 2 : Screen backlight lasts 30 seconds, then is on at 20% 3 : Screen backlight is always turned on

8	■ ■ ■	PSI (0)	7 / 0	Program option: 7 : 7 days separately 0 : Not programmable
9	■ ■ ■	ES (0F)	0n/0F	Intelligent Function Option: If this function is enabled 0n , the thermostat will start heating before the next heating program is scheduled to start, allowing for a more comfortable heating style. The thermostat learns the heating conditions over the past 5 days and how long it takes to reach the desired set temperature. For example - if it takes 30 minutes to rise from 20°C to 22°C, it will start heating 30 minutes before the next heating program at 22°C starts.
10	■ ■ ■	Rn (0F)	0n/0F	0n : Active anti-freezing function 0F : Disable anti-freezing function.
11	■ ■ ■	dB (1.0°C)	0.2°C — 2.0°C	Temperature range: temperature difference between switching on and off. For example, the temperature on the system is set at 22 ° C and the range at 0.5 ° C, the heating system starts to operate if the room temperature drops to 21.5 ° C and switches off when the temperature reaches 22.5 ° C. A smaller set hysteresis can affect the life of the thermostat and the connected devices!

12	■ ■ ■	Rd (30)	15 — 19sec	Set the room temperature refresh rate in seconds. Here you can adjust how quickly the sensor refreshes the room temperature display. Faster is more accurate, but also has greater fluctuations. More seconds means more stable operation and a more comfortable room.
13	■ ■ ■	Ntc (100)	100 / 10	Sensor selection 100 : NTC100K 10 : NTC10K
14	■ ■ ■	Cur (L)	L / H / HH	Selection of what kind of a device will be connected to the thermostat and limitation of Amps. L : 0~8A H : 8~12A HH : 12~16A
15	■ ■ ■	tS (On)	On / Of	On : Time run based on network time Of : Time run based on user setting

2. Operation mode

1) Manual mode

Set item 8 of the configuration menu to " 8 " and save. The screen will display " 🖐️ ", which means entering the manual mode. The system will run according to the temperature set by the user.

2)Temporary mode

Under the programming mode, when the user changes the set temperature, " 🖐️ ⌚ " will be displayed to enter temporary mode. When the time reaches the next schedule, it will return to programming mode.

3)Programming mode

(The factory default is non programmable. Need to set item 8 to " 7 " of configuration menu)

When the screen displays " ⌚ ", thermostat adjusts the temperature according to the schedule.

Program setting

After the thermostat enters programming mode, in the power-on state, long press " 📱 " to enter program settings, press " ^ " or " v " to select the day.

Then press " 📱 " to set the time. Then press " 📱 " to change the temperature setting.

Repeat the above settings until the 7-day program setting is completed. If the program settings are confirmed, press " ⏻ " to save. If there is no operation within 10 seconds, the thermostat will automatically exit the program settings.

7 days six period factory setting

Heating mode		Morning 	Outside 	Afternoon 	Outside 	Back 	Night 
Monday-Sunday	Time	6:00	8:00	12:00	14:00	18:00	22:00
	Temperature	21°C	16.5°C	21°C	16.5°C	21°C	16.5°C

Alarm instructions

Err. display	Err. condition	Result
<i>Eri</i>	Room (Internal) sensor broken	The thermostat stops heating.
<i>Er2</i>	Floor (External) sensor not installed or damaged	The thermostat stops heating.

Link APP

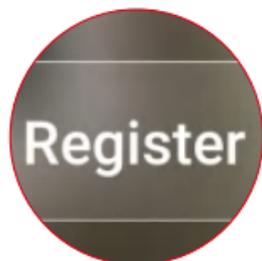
Download:

Click App store or Android application market to download "Tuya Smart" APP.

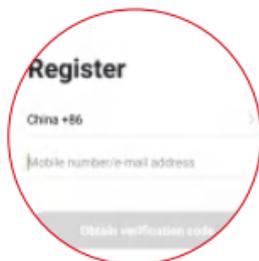


Registration and Login:

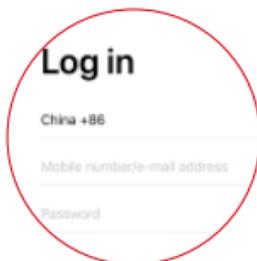
Click the "Register" to create account. Enter your account password to log in.



Register



Create account

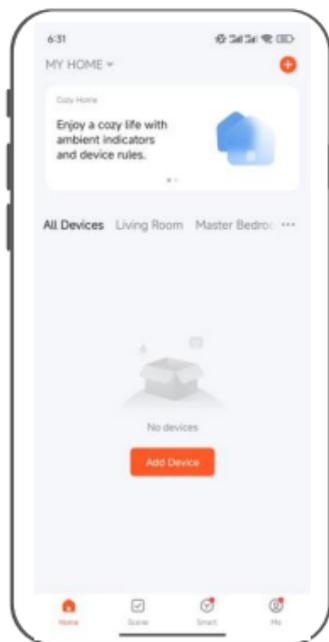


Login

Add thermostat

* Tips

Wifi and Bluetooth functions must be turned on when connecting to the device



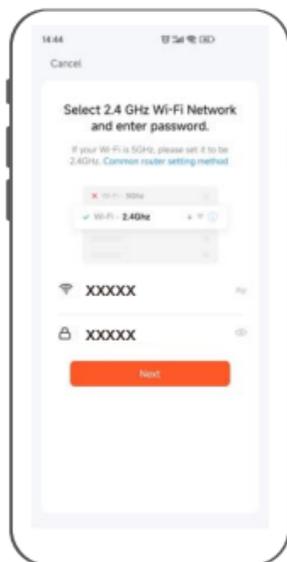
- 1 Enter the "HOME" interface of the app, and click the "Add device".



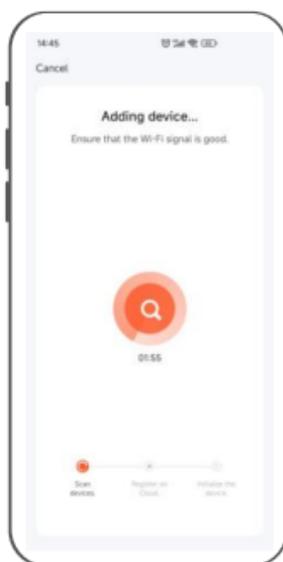
- 2 In the "Add Device" interface, wait for scanning until the thermostat icon appears, and click the icon to proceed to the next step.

Distribution network in WIFI mode

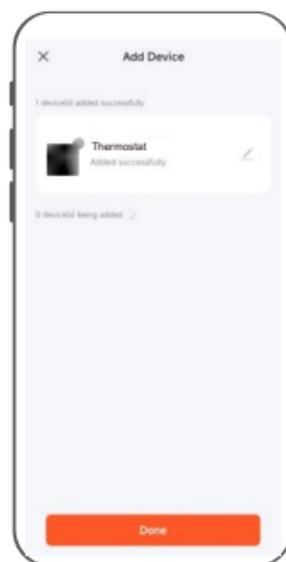
Tips: Make sure thermostat displays icon “” and it flashes. If not, long press “” until “” flashes.



- 3 Select a network in the same area, enter the password, and click Next.



- 4 Wait for the thermostat to connect.

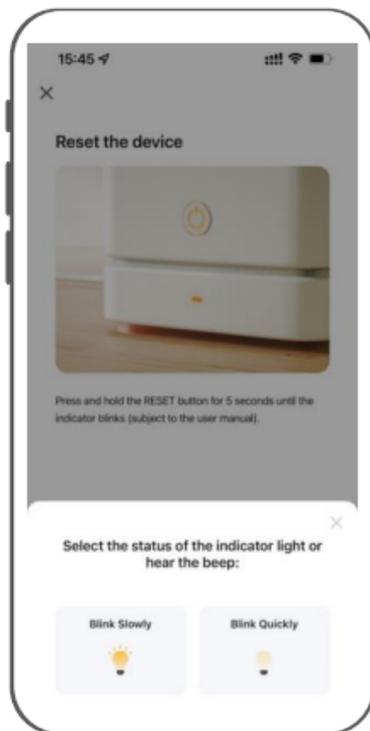


- 5 After the connection is complete, click Done to complete the pairing.

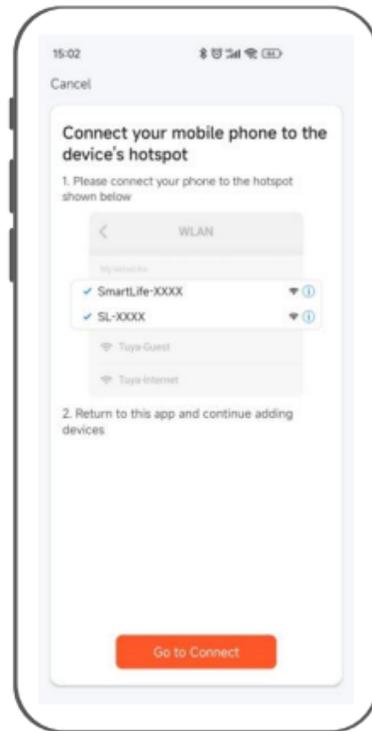
Distribution network in AP mode:

Tips:

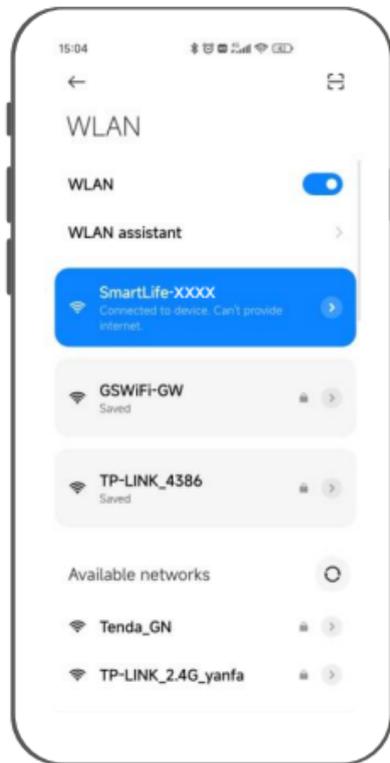
If you want the network to be AP mode, you need to select "Blink Slowly" in step and make sure the thermostat displays "📶". If not, long press "🔌" until "📶" is displayed and flashing.



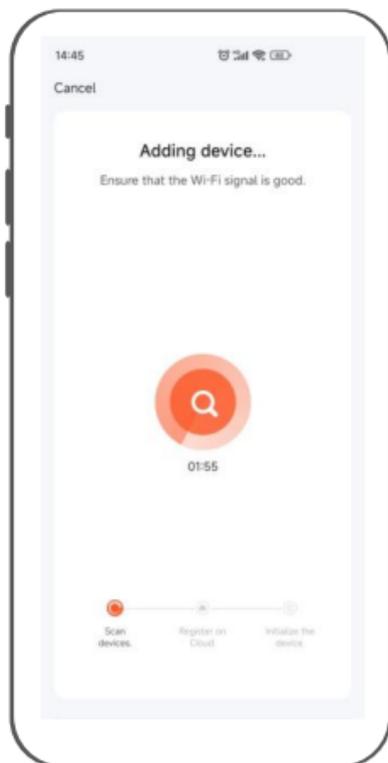
5 Select "Blink Slowly"



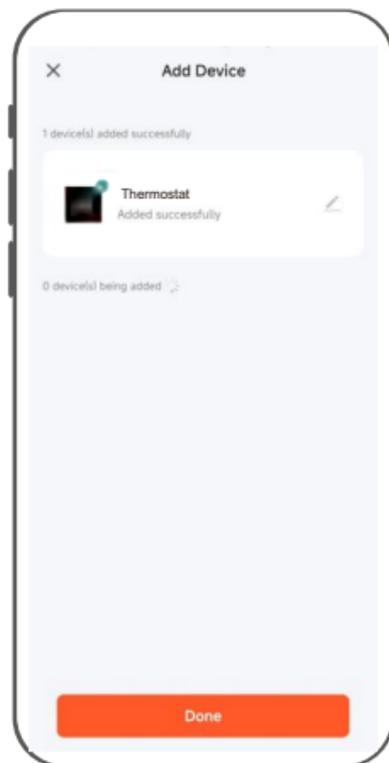
6 Click "Go to Connect"



7 Select "SmartLife-xxxx" and go back "Tuya smart"APP

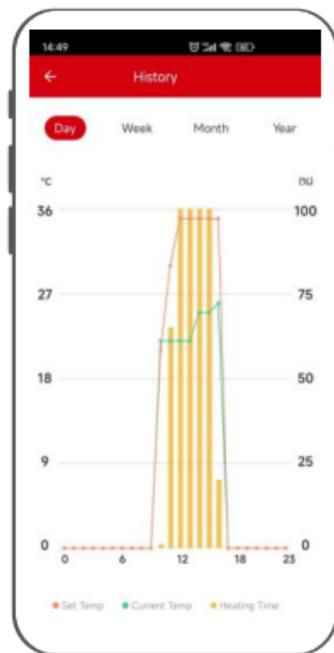
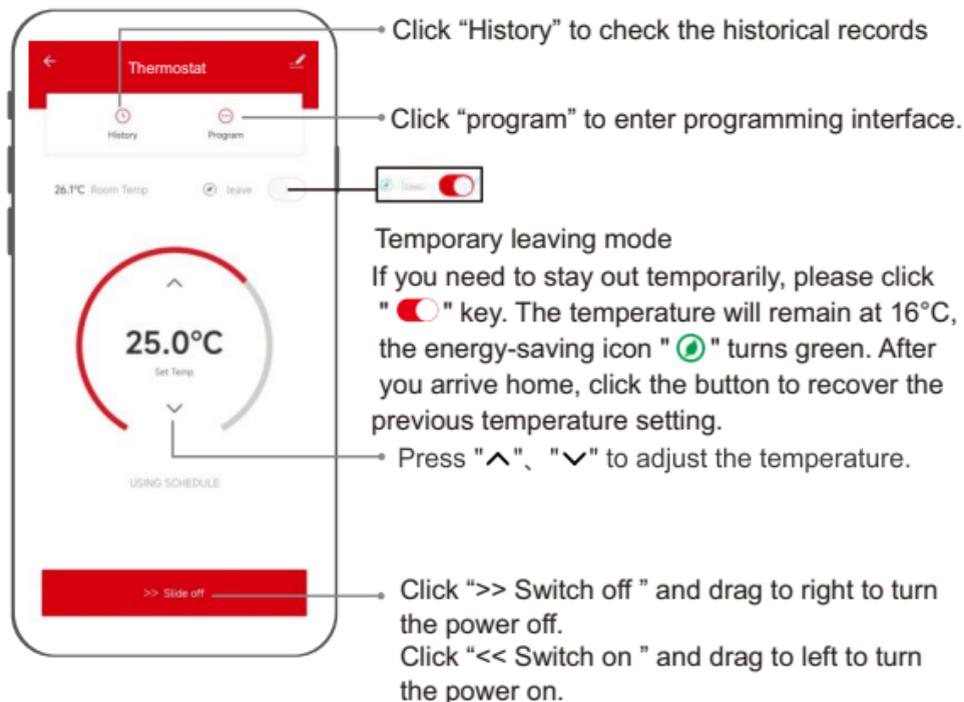


8 Wait for few seconds.

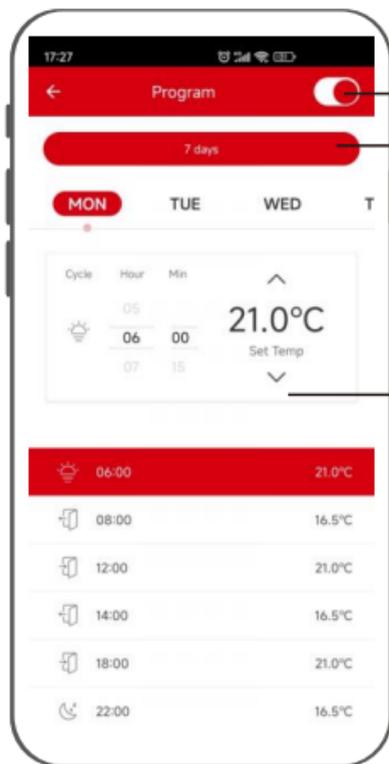


9 Click "Done"

APP interface introduction



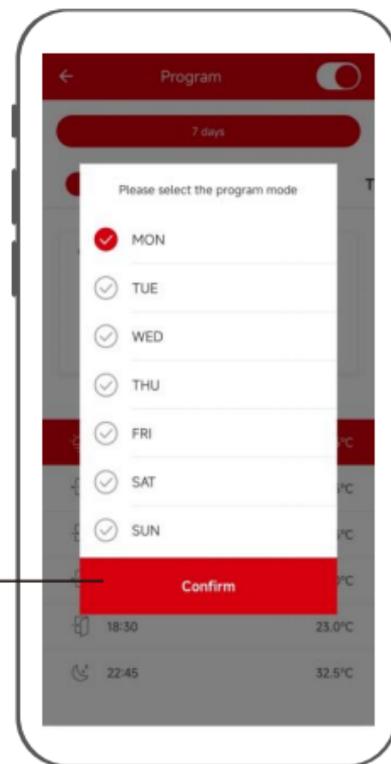
Programming Setting



Slide to activate programming mode.

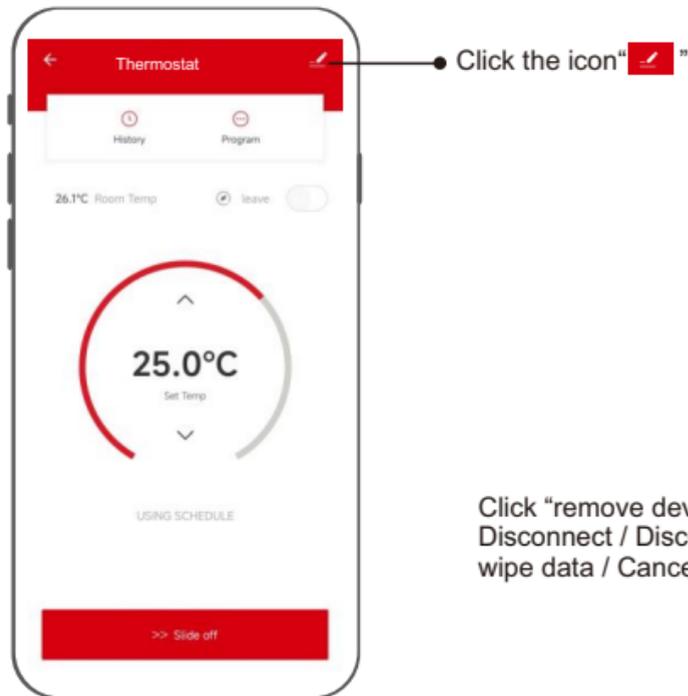
Click "7-days" to select the day.

Press " ^ " " v " to set temperature in the different periods of time



Click the day to be edited and confirm it .

Exit network/remove devices



Click "remove device" to select
Disconnect / Disconnect and
wipe data / Cancel



Voice command:

After waking up the speaker, you can say:

Amazon Alexa

- * Turn on bedroom.
- * Turn off bedroom.
- * Raise the bedroom by 1 degree.
- * Drop the bedroom by 1 degree.
- * Set the bedroom to 16 degrees.

Google Assistant

- * Turn on bedroom.
- * Turn off bedroom.
- * Set the bedroom to 16 degrees.

Tips: you need connect to the Google speaker

Tips:

- * bedroom is the device name. You can name it by yourself.
- * The temperature unit of thermostat and speaker must be the same.

WARNING

Care and Maintenance

Disconnect the device from the mains before cleaning and during prolonged periods of non-use. Only clean this product with a slightly damp, lint-free cloth and do not use aggressive cleaning agents.

Warranty Disclaimer

ECOBAY assumes no liability and provides no warranty for damage resulting from improper installation/mounting, improper use of the product or from failure to observe the operating instructions and/or safety notes.

Service and Support

Please contact ECOBAY Consulting if you have any questions about this product.

Note on environmental protection:



After the implementation of the European Directives 2012/19/EU and 2006/66/EU in the national legal system, the following applies:

electrical and electronic devices as well as batteries must not be disposed of with household waste. Consumers are obliged by law to return electrical and electronic devices as well as batteries to the designated public collection points or to the point of sale at the end of their service lives. Detailed information on this topic is defined in the national laws of the respective country. This presence of the above symbol on the product, operating instructions or package indicates that the product is subject to these regulations. By recycling, reusing the materials or other forms of utilising old devices/batteries, you are making an important contribution to protecting our environment.

Declaration of Conformity

ECOBAY hereby declares that the radio equipment type of SAS922FHL-7-WIFI(TY) is in compliance with Directive 2014/53/EU.

Frequency band(s) 2.4 GHz

Maximum radio-frequency power transmitted < 100mW



SAS922FHL-7-WIFI(TY)

Manufacturer Name: SHENZHEN SASWELL TECHNOLOGY INC.

Address: Room 1601-1602, Building4, Tianan Cloud Park, Bantian Street, Longgang District, Shenzhen, 518129, China

E-mail: amazon@saswell.com

Warning: This device operates at 220V high voltage.
Ensure power is disconnected before operation.
Keep away from children.



Warnung: Dieses Gerät arbeitet mit 220V Hochspannung.
Stellen Sie sicher, dass die Stromversorgung vor dem Betrieb unterbrochen ist.
Von Kindern fernhalten.

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UK001723714619462iiZq



OPERATING INSTRUCTION
SAS922FHL-7-WIFI(TY)