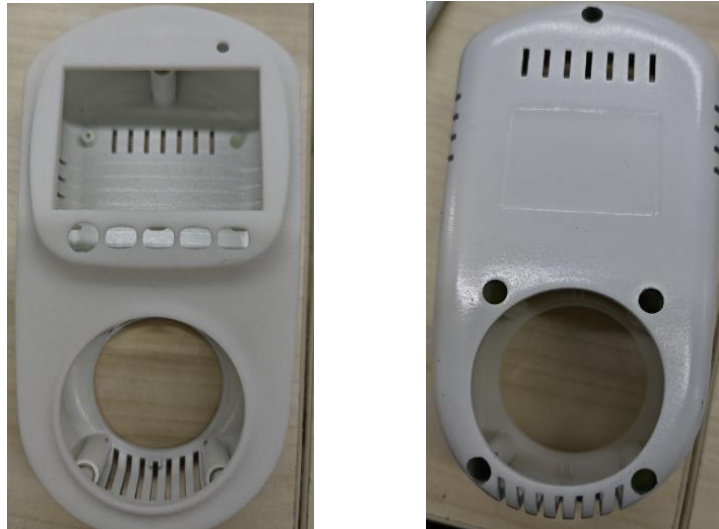# TC200 WI-FI Thermostat

TC200

1、 Introduction

TC200 WI-FI Thermostat is a device used to control temperature with electricity monitor functions, which can automatically sense the ambient temperature and adjust it according to the set temperature and calculate electricity consumption. This manual will introduce the Specifications, Key functions, and App control of the Thermostat.
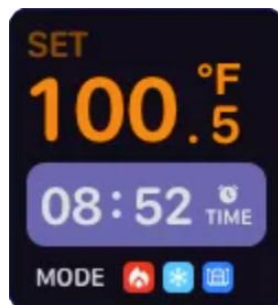
2、Specifications

- Power: 250VAC/16A/4000W/50Hz (EU)
- Display resolution: 0.5 ℃
- Display range: 0℃~70℃
- Control accuracy: ±1℃
- Control range: 1℃~45℃ (default)
- Electricity monitor functions: Current, Voltage, Electricity Total
- WI-FI Requirement: 2.4G Wi-Fi
- APP: Smart Life, available on the App Store and Google Play
- Compatibility： IOS & Android
- Screen display resolution ratio: 320*240

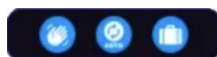**3、 Screen Definition**
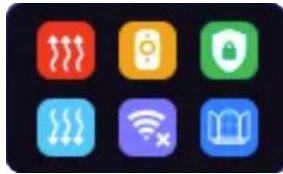
3.1 Set Area

- Display target temperature
- Display current time

- Heating Mode

- Cooling Mode

- Window Detection

3.2 Control Area

- Manual Mode

- Programmable Mode

- Holiday Mode

3.3 Working Status Area

- Heating is in progress. If the icon disappears, the heating stops

- Cooling is in progress. If the icon disappears, the cooling is stopped

- RF communication is normal. If the icon disappears, the communication is abnormal

- Indicates that the WIFI connection is disconnected. Please check the network

- Indicates that the WIFI connection is connected.
- Child Lock

- Window opening state

3.4 Room Area

- Display the ambient temperature
- Display the Current power
- Display the Accumulated power consumption

4、Key functions

- Power off state, short press to power on
- Power on state, short press to power off

- Power on state, short press to enter the manual mode
- Power on state, long press 3-5 seconds to enter the programmable mode
- Power off state, long press 3-5 seconds to enter the advanced setting A

 + ▲

- Power on state, press both and hold 3-5 seconds to enter Time Settings & Temperature unit convert

 + ▼

- Power on state, press both and hold 3~5 seconds to enter Holiday mode, icon will display, press ▲ or ▼ change to ON icon will display. After set Holiday mode on, need set holiday days and target temperature.
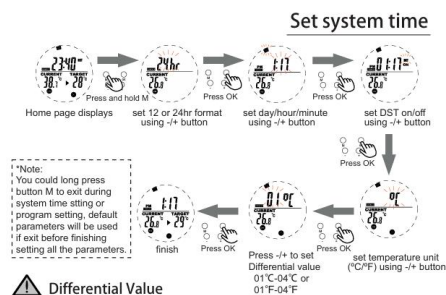
OK

- Setting state, short press to confirm

⚙ + ok

- Power on state, press both and hold 3-5 seconds to enter Wi-Fi pairing mode

▼

- Setting state, Decrease key
- Program state, short press to enter temporary manual mode
- Power on state, long press Child Lock/Unlock Thermostat

▲

- Setting state, Increase key
- Program state, short press to enter temporary manual mode

Ok + ▲

- Power on state, long press 3-5 seconds to switch working mode cooling, heating

Ok + ▼

- Power on state, long press 3-5 seconds to switch on/off window detection function

5、Advanced Setting A

Power off state, press and hold the key ⚙ for 3 seconds to enter the advanced A settings, and short press the key ⚙ to switch the setting item. Press the ▲or ▼ key to adjust the value. After finish setting stand for about 5 seconds, it will save setting then exit.

display symbol	set items	Parameter setting function	factory default
A1	Measure Temperature Calibration	-9 ℃ ~9℃	-1
A2	Weekly programming selection	0: 5+2 1: 6+1 2: 7	0
A3	Setting temperature minimum limit	1~10℃	1
A4	Setting temperature maximum limit	20~70℃	45
A5	Windowing function triggers temperature	5-20℃. Set to 5℃, and press "▼" will display 【--】, it means cancel the window ventilation function	5
A6	Running time of windowing function	5~60 minutes	15
A7	Screen brightness setting	Value range: 1-5	3
A8	Screen rest time	Enumeration values: 1 min,2 min, 5 min, 10min, always on	2
A9	Reset factory setting	press and hold the "ok" until LCD is fully displayed, and restore the A parameter of advanced option as the default	

6、Time Setting

Set system time

Home page displays | Press and hold M | set 12 or 24hr format using -/+ button | Press OK | set day/hour/minute using -/+ button | Press OK | set DST on/off using -/+ button

Press OK

*Note:
You could long press button M to exit during system time stting or program setting, default parameters will be used if exit before finishing setting all the parameters.

finish | Press OK | Press -/+ to set Differential value 01℃-04℃ or 01℉-04℉ | Press OK | set temperature unit (℃/℉) using -/+ button

⚠ Differential Value

7、 Manual Mode

In manual temp setting mode, long press **Ok +** ▲ 3-5 seconds to switch between HEAT and COOL mode, press ▼/▲ to set target temperature.

8、Program Mode

5+2 (factory default),6+1 and 7 day 6 times period setting for user choose. In the advanced options choose model of you need, under power on state, long press ⚙ for 3-5 seconds enter into programming mode setting, then short press ⚙ choose: hour, minute, time period, and press ▼ and ▲ to adjust data, finished setting, about 10 seconds will automatically save and exist.

Wake up		Leave home		Back home		Leave home		Back home		Sleep	
6: 00	20℃	8: 00	15℃	11: 30	18℃	13: 30	15℃	17: 00	18℃	22: 00	15℃

The optimum comfort temperature is 18℃-22℃.

9、App Setup

Step1、Download App

Download Method 1:

You can search for "Smart Life" in the App Store or Google Play download and install

Download Method 2:

Scan the QR code to download "Smart Life"

Step2、Register your account

- After installing the app. Click "Register" (Fig 2-1)
- Please read the Privacy Policy and press Agree to proceed to the next step. (Fig 2-2, Fig 2-3)
- Registration account name uses your Mobile Number or Email. Press Get Verification Code. (Fig 2-4)

- You will receive a 6-digit verification code via SMS or email to enter your phone. (Fig 2-5)
- Please set password. Password must contain 6-20 letters and numbers. Click "Done".
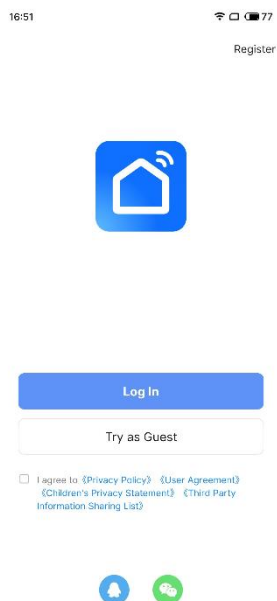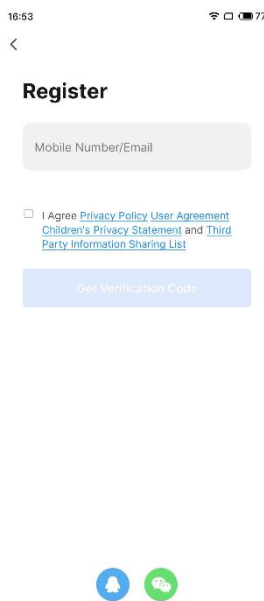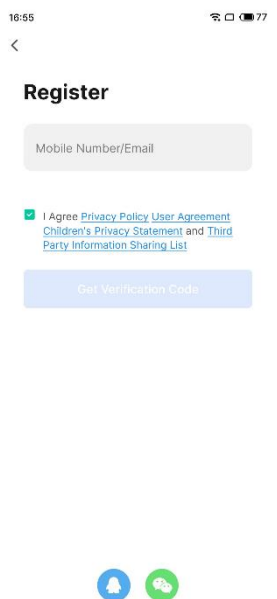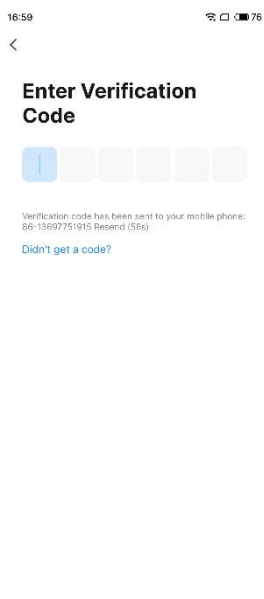

Fig 2-1

Fig 2-2

Fig 2-3

Fig 2-4

Fig 2-5

Step3、WI-FI pairing

- Go to your WI-FI setting on your phone and make sure you are connected via 2.4g and not 5g. Most Routers have 2.4g & 5g connections. 5g connections do not work with the thermostat.
- On the phone press "Add Device" or "+" in the upper right corner of the app. (Fig 3-1) Left sidebar selection Small Home Appliances，Dropdown selection Thermostat（BLE + WI-FI）under HVAC.(Fig 3-2)

- switch on the Thermostat power supply, long press SET+OK for 3~5 seconds to enter Wi-Fi pairing mode, Wi-Fi icon will flash. After connected to Wi-Fi will show . This can take between 5-20 seconds.

Fig 3-1

Fig 3-2

10、App Functions

After Connected to WI-FI, The App can display ambient temperature, set temperature, work mode, etc. At the same time, you can also set the working mode through the APP: cooling, heating, holiday, manual, automatic (Fig 4-1, Fig 4-2). In the settings, you can set: Child Lock/Unlock, holiday mode, temperature unit convert, temperature calibration, temperature minimum limit, temperature maximum limit, window detection, screen rest time, factory reset, etc. It can also display the Current power and Accumulated power consumption. (Fig 4-3)
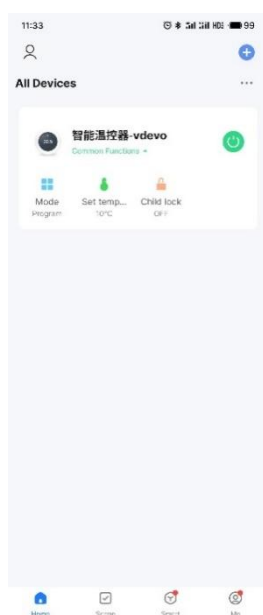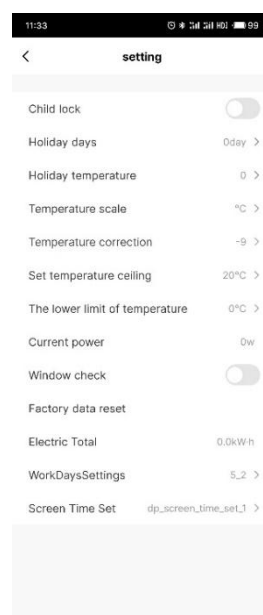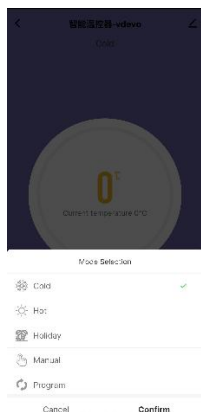

Fig 4-1

Fig 4-2

Fig 4-3

- **Manual Mode**

  Tap the button to turn on/off the Thermostat

- **Mode Selection**

  Select cooling, heating, holiday, manual, automatic mode

- **Count Down Mode**

  If you want the Thermostat to turn on after the time you set, please manually turn off the Thermostat first and then set the switch countdown mode, and vice versa.

- **Week Program Mode**

  Press the Week Program key in the settings menu.

  This allows you to choose the time and temperature of your daily schedule at varying points. You will have 6 points of time to set. See example below.

Wake up		Leave home		Back home		Leave home		Back home		Sleep	
6: 00	20℃	8: 00	15℃	11: 30	18℃	13: 30	15℃	17: 00	18℃	22: 00	15℃

- **Electricity Consumption**

  In settings menu can show electricity consumption and Current Voltage, Cur Current、Current Power and so on (Fig 5-1).

  1、 Electric Total

2、 Current Voltage

3、 Cur Current

4、 Current Power

5、 Electric Yesterday

6、 Electric Today

setting	
Temperature scale	°C >
Temperature correction	-9 >
Set temperature ceiling	20°C >
The lower limit of temperature	1°C >
Current power	0w
Window check	
Factory data reset	
Electric Total	0.0kW·h
Current Voltage	0.0V
Screen Time Set	1 minute >
Screen Bright Value	1 >
Cur Current	0.0000mA
Electric Yesterday	0.0KW.h
Electric Today	0.0KW.h

Fig 5-1

11、ConnectVoicePlatforms

12、FCC Statement

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference

by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.