

Product Introduction:

The SS311 series digital thermostat adopts the most advanced chip in the world. with the high precision internal NTC sensor of the thermostat to detect and compared the temperature. The heating equipment is automatically turned on/off to maintain the indoor desired room temperature. The optional Occupied/Unoccupied feature saves energy.

SS311 features with wireless control, large LCD screen display, and displays the status of work mode (cooling/ heating) indoor temperature and set temperature etc...

Keypad includes: Power on/off , set , programmable (PRG) and two adjustment buttons(-&+).

1, Key Features

Heating and cooling thermostat

2xAAA batteries power supply

Attractive modern styling

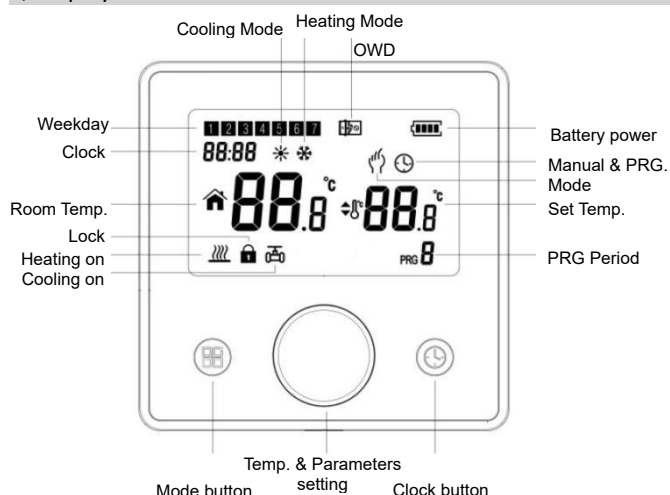
Surface mounting

CE, ROHS approved

433Mhz or 868Mhz RF frequency

2, Technical Data

Power Supply - 2*AAA batteries	Backlight - White
Receiver relay contact - Max 10A	Sensor - NTC 10K
Set Point Range - 5~35°C	Accuracy - $\pm 0.5^{\circ}\text{C}$
Ambient - 0~50°C	Protection Class - IP30
Relative Humidity - 85%	ABS+PC fire retardant plastic

3, Displays & Buttons**Buttons Function:**

On/Off : Press the knob button for power on/off.

Set button: Clock & Temperature Setting

Rotate the knob clockwise: for Temp. & Parameters setting increase

Rotate the knob counterclockwise: for Temp. & Parameters setting decrease

Operating Instructions:**4,Clock & Temperature Setting**

Turn on the thermostat, press and hold (⏻) button for 5s, set the clock (Min-Hour- Weekday) by rotate the knob button, each press of (⏻) button will go to next item setting.

Menu	Description
01	Clock setting- Minute
02	Clock setting- Hour
03	Weekday setting

5,Advanced setting

Turn off the sender, press and hold (⏻) button for 5 seconds for coming into the advance setting mode, the screen will display all the related No. & dates, then rotate the knob button to set the dates, then press (⏻) to come to the next setting, All of the parameters will be kept in record after press power button after finish setting.

Code	Option	Default Parameters	Details
01	Heating/ Cooling mode selection	HE 01	By rotate knob button
02	Temperature calibration	0°C	-8 °C~8°C
03	Switch differential setting	1°C	0.5~5 °C
04	Floor limiting temperature (For electric heating version only)	35°C	25~60 °C
05	Anti-frozen function	--	Setting Range: 3~10 °C ---: Anti-frozen function is turned off
06	Open window detect function (OWD function)	00	'00': close this function '01': open this function
07	OWD Detect Time	15	2-30 min
08	OWD Drop temp. Select (within detect time)	02	2-4 °C
09	OWD Delay time select (Return to previous working status)	30	10-60 min
10	Pairing Code	random code	Please refer to the part 12
11	Reset to factory setting	00	rotated "+" or "-" button to '01', and then press (⏻) button and turn off, then turn on the thermostat, it will come to reset.

6, Anti-frozen function

Rotate the knob to " -- " for turn off Anti-frozen function,

rotate the knob button to turn on the Anti-frozen function and change the set temperature, When the room temperature reaches this temperature, the thermostat forcibly turns on the heating. When the room temperature is higher than this temperature by 2 °C, the thermostat automatically turns off the heating.

7, Open window detect function (OWD function)

When the Open Window mode is enabled in the parameter setting, the system will automatically stop heating when it detects a sudden drop of room temperature (2°C in 5 minutes as default). This is normally caused when a window or door is opened without turning off the heating device.

The device will return to the previous mode of operation after 30mins, then OP disappear. Press any button will exit OWD function during the heating off period.

8, Child lock

Press the knob button for 5 seconds to engage/disengage key-lock function key-lock shows “”.

9, Mode select

Press  button to select Manual mode (MAN) and Programmable mode (PRG).

Manual mode: With under the manual mode, to control the unit to ON/OFF manually.

Programmable mode: The unit can be operated by the set time & temperature automatically, the programmable mode with 4 period times & 4 related temperatures, its function show as below:

10, Weekly programming setting

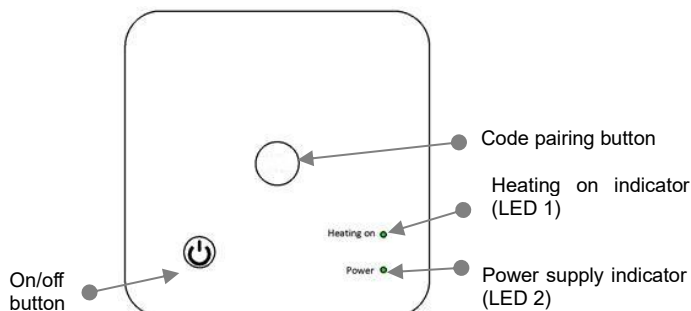
1) Turn on the thermostat, press and hold  button for a while to enter program setting.

2) Set the schedule (Weekday-Period-Start time-Temp.) by rotate the knob button, each press of  button will go to next item setting.

EXAMPLE:

PERIOD	Period 1	Period 2	Period 3	Period 4
WEEKDAY	WEEKDAY (MONDAY – FRIDAY) (1 2 3 4 5 shows on screen)			
TIME	06: 30	08: 00	18: 00	22: 30
TEMPERATURE	21°C	18°C	21°C	16°C
WEEKDAY 2	WEEKEND (SATURDAY) (6 shows on screen)			
TIME	08: 00	10: 00	18: 00	23: 00
TEMPERATURE	21°C	21°C	21°C	16°C
WEEKDAY 3	WEEKEND (SUNDAY) (7 shows on screen)			
TIME	09: 00	12: 00	19: 00	23: 45
TEMPERATURE	23°C	21°C	16°C	21°C

11, Code Pairing

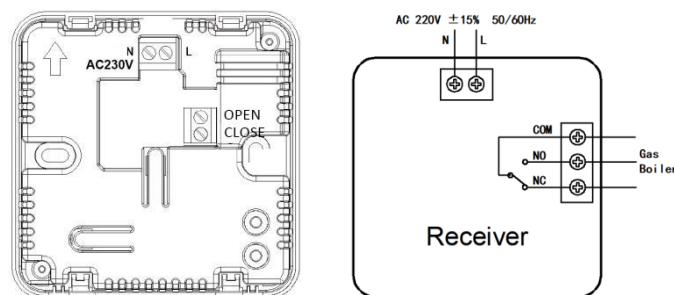


1) Turn off the receiver, long press the code pairing button on the receiver until LED 1 will be green and flickering quickly.

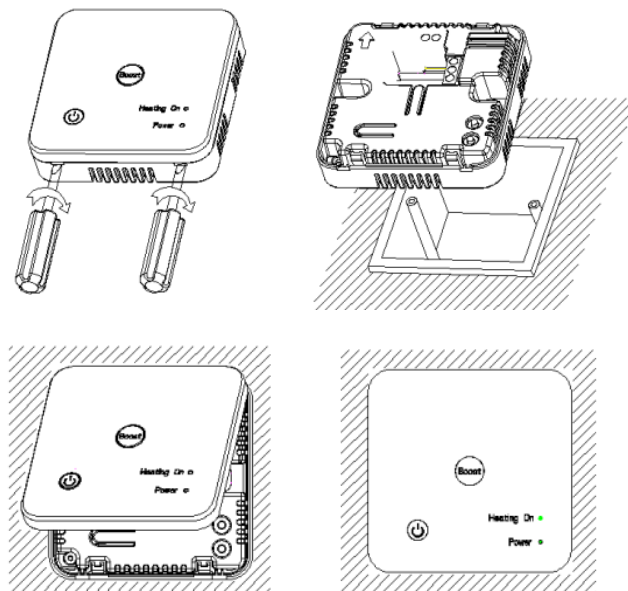
2) Turn off sender, and press and hold  button for 5 seconds until the screen is lit, then press  button again **NINE(9) times**, Then press  button and waiting.

3) Wait for a while, LED 1 stop flickering. Code pairing done.

12, Wiring diagram



13, Installation



14, WiFi Connection (FOR WIFI MODEL ONLY)

Before using your WIFI thermostat for the first time, you must configure the WIFI signal and setting through your smart phone or tablet. This will allow communication between your connected devices.

Step 1. Download your App

For IOS devices, search for Smart Life/Tuya Smart in Apple Store and download.



Fig 1-1 Smart Life App



Fig 1-1 Tuya Smart App

For Android devices, also can search for Smart Life/Tuya Smart in Google Play and download.

Step 2 Register and log in your account

Open your Smart Life/Tuya Smart, you will get a page of Log In and Sign Up. Press Sign Up and enter your phone no. or email (Fig 2-3) then you can get a verification code. Input your password and confirm to complete your registration. If you have account, please log in (Fig 2-4).

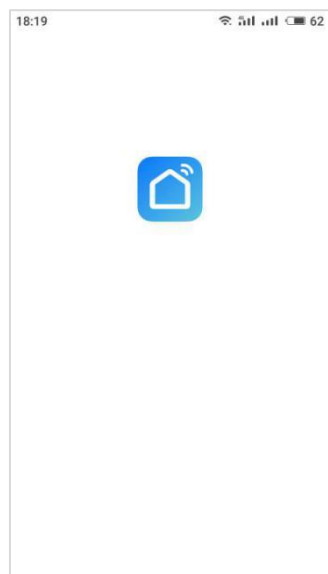


Fig 2-1

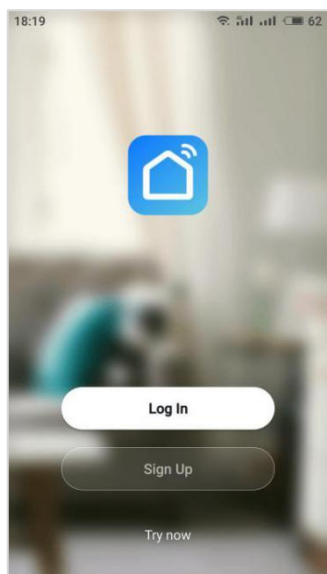


Fig 2-2

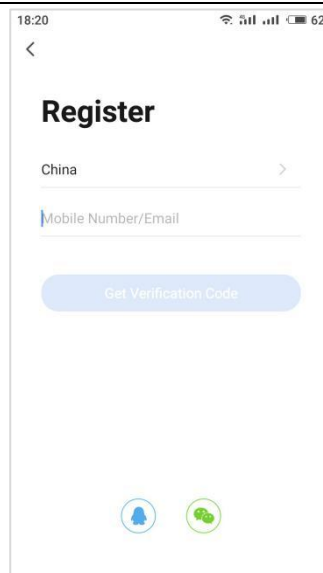


Fig 2-3

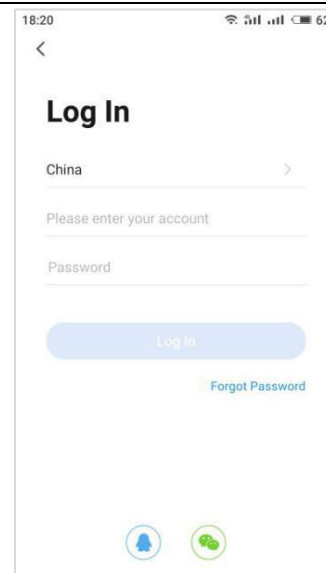


Fig 2-4

Step 3 Connect your Wi-Fi signal

On your thermostat receiver

Press “On/off button” and “Code pairing button” together and hold the for five (5) seconds, The **power supply indicator (LED 2)** will be green and flickering.

Then, go back to the home page of your app

Press the + on the upper right corner of the page (Fig 3-1) to add your device. Select “Small Home Application”, then click and “Thermostat” (Fig 3-2), then select your network and back to your app to enter the password of your wireless router and confirm, the app will connect automatically (Fig 3-3). This may typically take up to 5~90 seconds to complete (Fig 3-4).

Your room name could be edited when the device is connected.

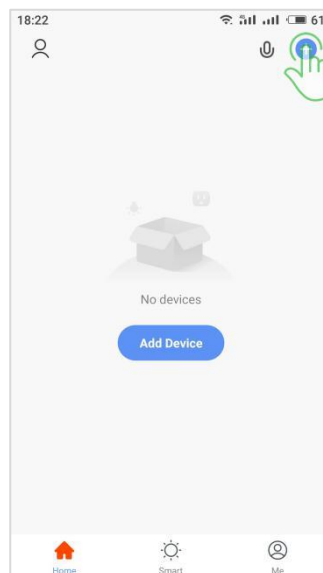


Fig 3-1



Fig 3-2

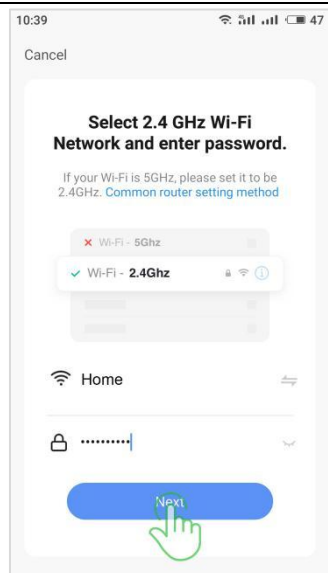


Fig 3-3

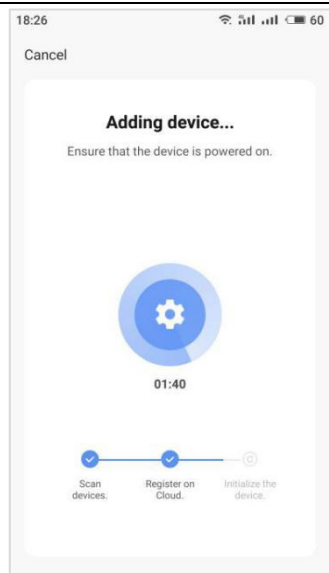


Fig 3-4

When your room is established successfully, it will display on the home screen, the function of the buttons are as the following:

 Power on/off button, press it to turn on/off the thermostat.

 Mode button, press it to switch the thermostat between "Manual mode" and "Programming mode".

 Week program setting button, press it to setting the week programming.

 Advanced setting button, press it to set the advanced settings.

PROGRAMMING YOUR THERMOSTAT IN THE APP

After WiFi connected successfully, press  on the app main control interface(Fig 4-3), click "Week Program" to enter weekly programming setting(Fig 4-4).

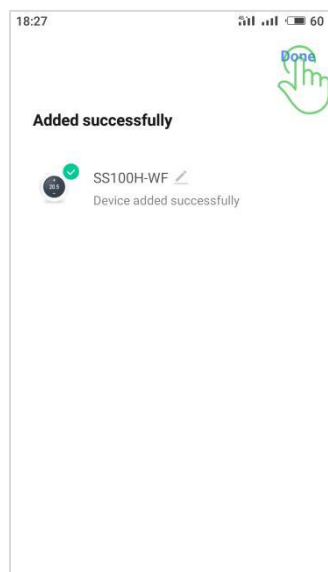


Fig 4-1

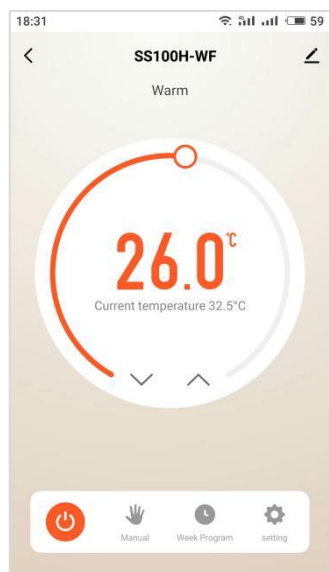


Fig 4-2

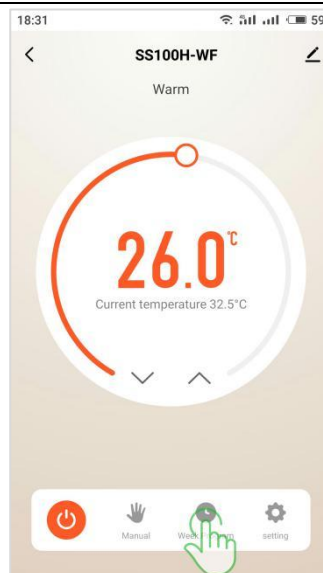


Fig 4-3



Fig 4-4

How to share the device?

Press the upper right corner button in the main control interface into the page(Fig 5-1). Click "Share Device" (Fig 5-2) to add the account you want and confirm.

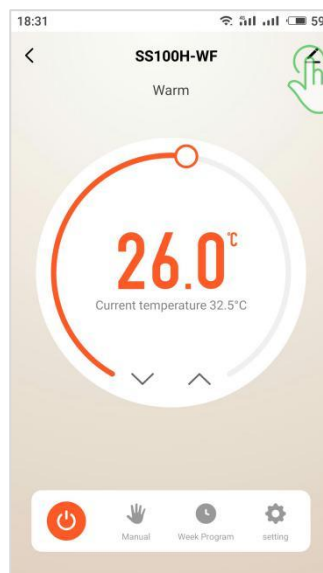


Fig 5-1

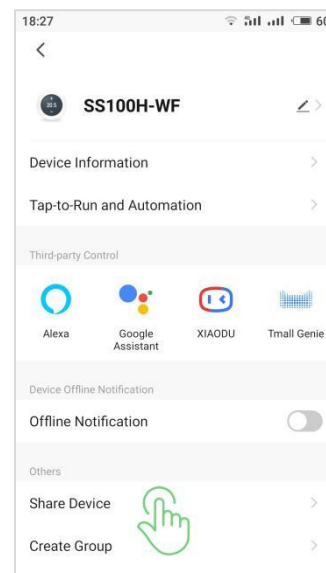


Fig 5-2