

Color Screen Room Thermostat

HT-CS08

This is a colorful touch screen room thermostat. It works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached. It allows users to select different temperatures in your home at different times of the day to meet particular user's needs and preferences.



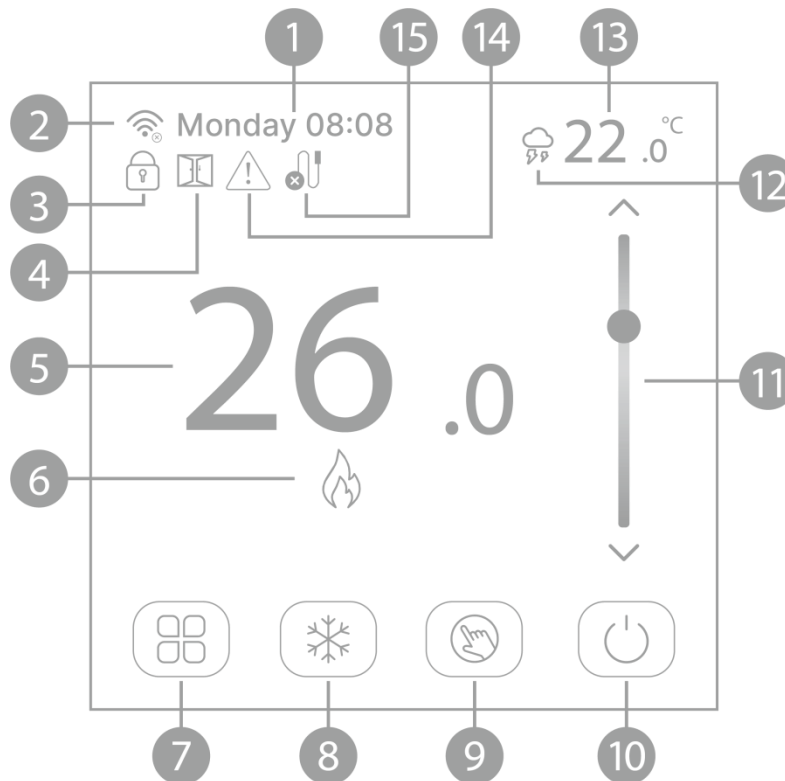
Functions

- ✓ 4inch TFT capacitive color touch screen
- ✓ Water floor heating system
- ✓ Heat mode & cold mode
- ✓ Manual & Program mode
- ✓ 7days 6 periods programmable
- ✓ Open window detection
- ✓ Child lock
- ✓ Frost protection
- ✓ Easy operation

Technical Data

Thermostat operating voltage:	220Vac; 50/60HZ .
Max. Current:	3A
Temperature settings:	5°C ~ 35°C, 0.5°C increments.
Accuracy:	+/- 0.5°C
Frequency:	2.4Ghz WiFi
Thermostat dimensions:	Wall mounted, 88*88*15.8MM
Color:	Black
IP protection rating:	20.
Certification:	CE, RoHs

User interface



- | | |
|---------------------------------|--------------------------------|
| 1. Time & date | 9. MAN/PRG mode select button |
| 2. WiFi Indicator | 10. Power button |
| 3. Key lock icon | 11. Temp. Setting |
| 4. Open window detection icon | 12. Weather indicator |
| 5. Measured temperature | 13. Target Temperature |
| 6. Appliance on icon | 14. Over-heat alarm |
| 7. Menu button | 15. Sensor error invalid alarm |
| 8. Heat/Cold mode select button | |



Connect to WIFI

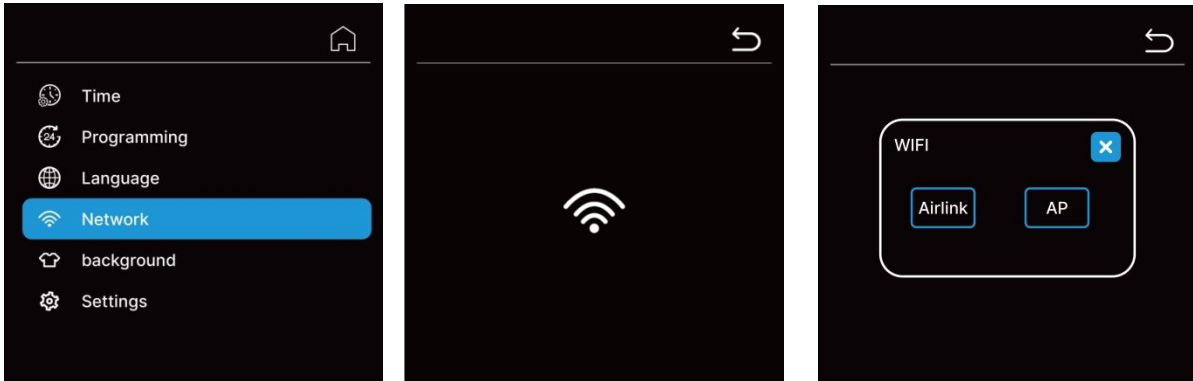
Please download "Smart life" APP from Google play or app store. Once download, the app will ask you to register your device. Enter your email, select the country you live in and create a password for your Smart life account.



You can connect to app by Bluetooth scan or wifi connection, Bluetooth is more recommended.



- 1) Enable Bluetooth function on your phone

- 2) Add device by press "+" button at top right corner
- 3) Press  button to enter setting page, choose **Network**, press  icon, choose **airlink** for connection.





- 4) App is searching for nearby Bluetooth device. Press "Add".
- 5) Choose Wi-Fi and enter password
- 6) Wait till device add successfully

2.4Ghz Wi-Fi Connection Method:




- 1) Add device by press "+" button at top right corner
- 2) Press "Small Home Applicant" and select "Thermostat (BLE+Wi-Fi)" on the list.
- 3) Select 2.4Ghz Wi-Fi Network and enter password, and press "Next".
- 4) Press  button to enter setting page, choose **Network**, press  icon, choose **airlink** for connection.
- 5) Press "Next" on app, tick "Blink Quickly" on phone to add device.
- 6) Wait a moment till app indicate "Added successfully", at this page you can rename the device. And then tap "Done" at the up right corner, the app will auto change to main page.

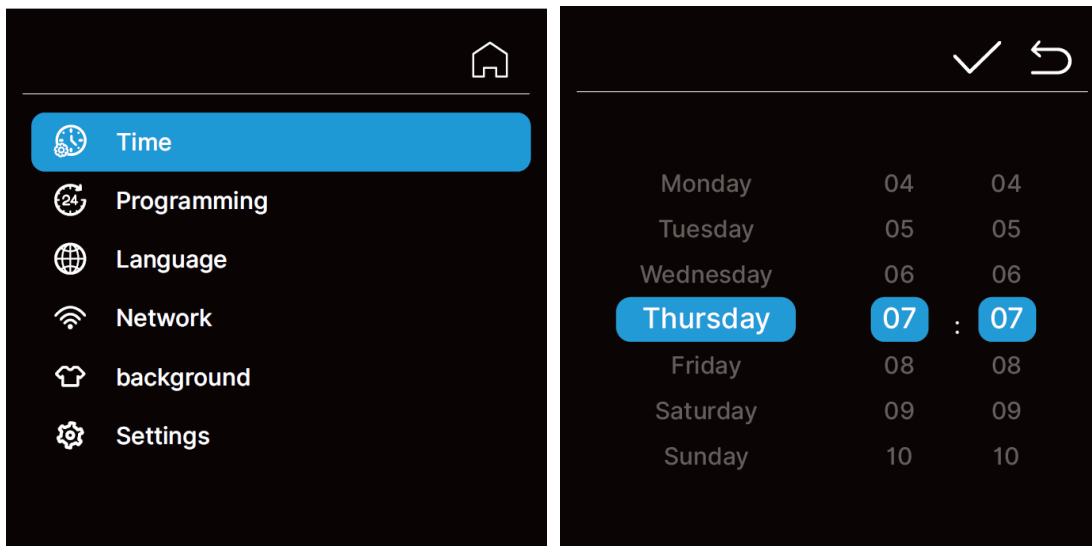
Model Select

Press mode button to choose Heat mode  and cold mode  (cold mode for water floor heating only).

Press program button to choose Manual mode  or PRG mode .




Time Setting:

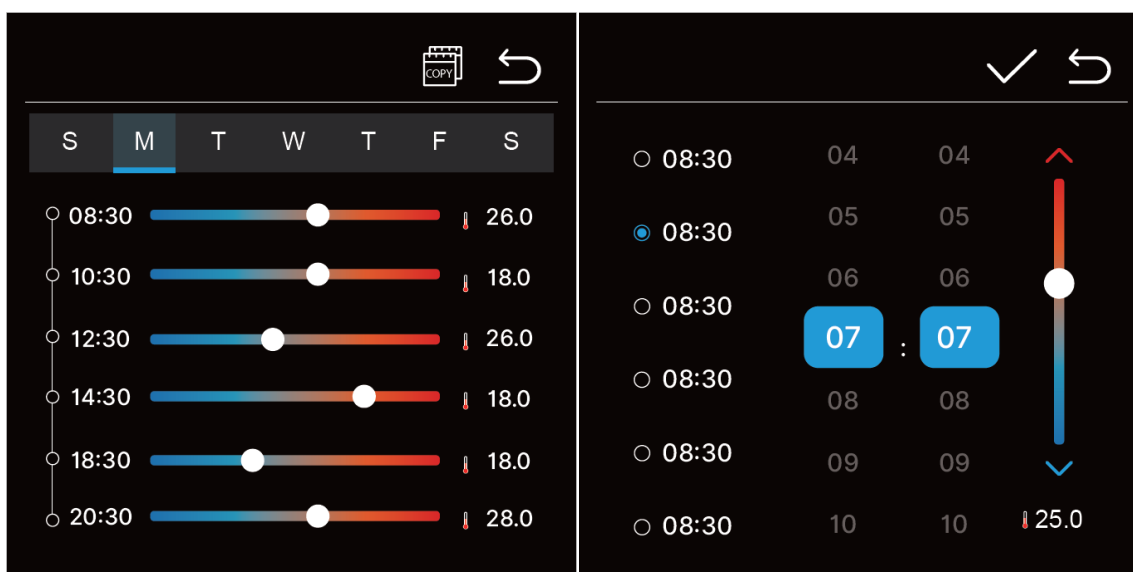
The date and time setting is automatically updated when the thermostat is connected to Wi-Fi via the application. Or you can press , choose **Time** to enter setting page as below. After setting, press  to save your settings and press  to go back to the menu and home screen.






Schedule Setting:

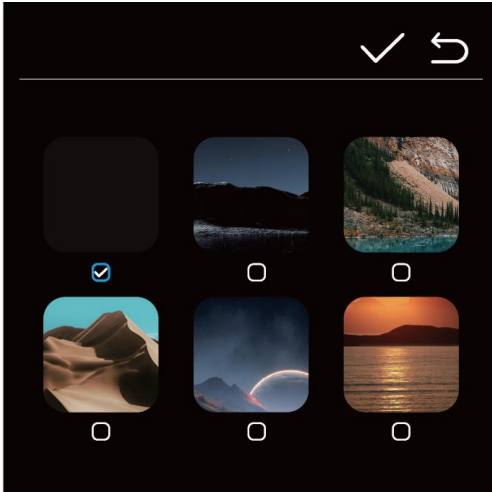
Setting up a schedule ensures energy efficiency and convenience by automatically changing the temperature of your underfloor heating system. Each day of the week can be programmed independently. There are 6 heating events for every day

After connecting the system to the WiFi system, program everything via the Application. Or you can press  button, choose **programming** to enter setting page as below. After setting, press  to save your settings and press  to go back to the menu and home screen.






Backlight setting

Press  button to enter setting page, choose **Background**. Select the home screen wallpaper from 6 different choices. After setting, press  to save your settings and press  to go back to the menu and home screen.



Advanced Setting

Press  button to enter setting page, choose **Settings**. In this menu you can set up and control all of the more advanced settings for your thermostat. After setting, press  to save your settings and press  to go back to the menu and home screen.

<u>Menu</u>	<u>Description</u>	<u>Range</u>	<u>Default Value</u>
1	Temp. Calibration	-8 °C ~8 °C	0°C
2	Set Point Max. Limit	5 °C ~35°C	35 °C
3	Set Point Min. Limit	5 °C ~35°C	5 °C
4	Sensor mode	Internal External I and E I or E	Internal
5	Anti-frost setpoint	5 °C ~15°C	5 °C
6	External Sensor Temp. Calibration	-8 °C ~8 °C	0°C
7	External Sensor Temp.	Ready only	
8	Floor Protection Temp. Setpoint	20~80°C	32°C
9	Switching Differential	0~3°C	0°C
10	Key Lock	1: Lock 0: Unlock	0

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11	Open Window Detection Function	ON/ OFF	OFF
12	OWD Detect Time	2~30mins	15mins
13	OWD Detect Temp. Set (within detect time)	2°C.3°C.4°C	2°C
14	OWD Timeout Select (Return to previous working status)	10~60min	30mins
15	Backlight Brightness (free time)	0~100%	1%
16	Software version and Reset	Read only	

Temp Adjust/Temperature Calibration:

This feature used to calibrate thermostat's room temperature display when actual room temperature different from thermostat showed (refer to the menu 2 of parameter settings). For example, if actual room temperature 21.5°C, but thermostat shows 23°C, then you can set this value to -1.5, then thermostat will show 21.5°C.

Sensor Selection:

On this thermostat, you can select which sensor should be used.

For internal/external and I or E sensor, the probe temperature will show on display as measured temperature. For internal & External sensor mode, internal sensor as measured temperature, external sensor temperature work as high protection temperature to prevent the floor from overheating.

Frost Protection/Anti-frost setpoint:

This is the temperature maintained when the thermostat is in Frost Protection Mode (refer to the menu 5 of parameter settings). If room temperature below 5°C (Default), thermostat will turn on heating till room temperature arrive 5°C (Default).


External Sensor Temp. Calibration:

This feature used to calibrate the floor sensor temperature when need. Same as temperature calibration at menu 1.

External Sensor Temp.:

When menu 4 select both internal sensor & external sensor, you can read the external sensor temperature here.


Floor Protection Temp. Setpoint:

This function is available when menu 4 is set to internal & external sensor. You can set a floor limiting temperature between 10-35°C (32°C is the default setting). When external sensor detect the floor temperature over the limit, it will stop heating no matter room temperature arrive or not. When thermostat in floor protection mode, the screen will show .

Deadband/Switching Differential :


This function allows you to increase the switching differential of the thermostat (refer to the menu 9 of parameter settings). The default is 0°C which means that with a set temperature of 20°C, the thermostat will switch the heating on at 19.5°C and off at 20.5°C. With a 0.5°C differential, the heating will switch on at 19°C and off at 21°C.

Key Lock:

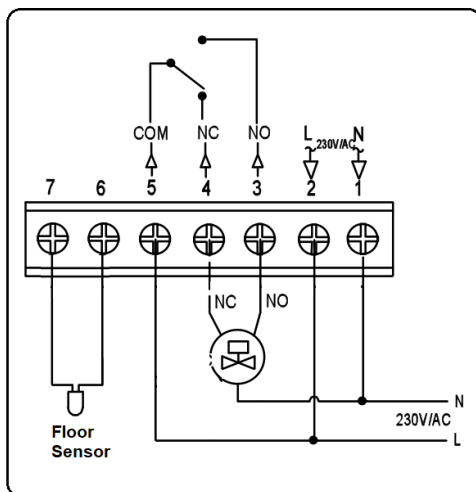
Under key lock ON (refer to menu 10 of parameter setting), the buttons will lock once backlight off. Press  button for 5s to unlock it for temporary adjust.

Open Window Detection (OWD) Function:

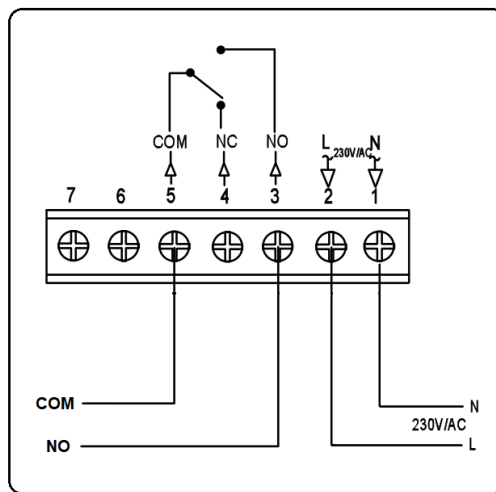
When the Open Window detect function is enabled(refer to menu 11 of parameter setting), the system will automatically stop heating when it detects a sudden drop of room temperature (2°C in 15 minutes as default, menu 11 &12). This is normally caused when a window or door is opened without turning off the heating device. The device will return to the previous mode of operation after 30mins (30 mins as

default menu 13), then  disappear. Press any button will exit OWD function during the heating off period.

Wiring Diagram



230Vac output (jumper COM&L)



Voltage-free output

Installation



DO

Mount the thermostat at eye level.

Read the instructions fully so you get the best from our product.



DON'T

Do not install near to a direct heat source as this will affect functionality.

Do not push hard on the LCD screen as this may cause irreparable damage.

The thermostat is designed to be flush mounted and requires a back box of 35mm (minimum depth) to be sunk into the wall prior to installation.

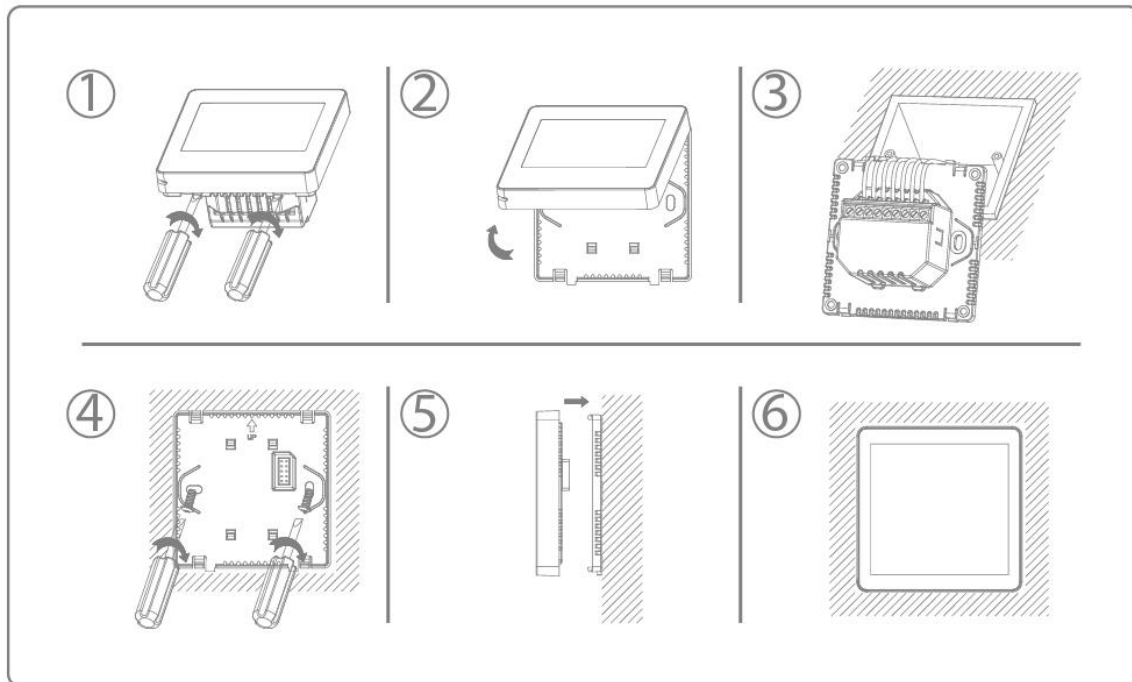
Step1: Using a small screwdriver, slightly loosen the screw from the bottom face of the thermostat. Then carefully separate the front half from the back plate.

Step 2: Place the thermostat front somewhere safe.

Step 3: Terminate the thermostat as shown in the diagram

Step 4: Screw the thermostat back plate securely into the back box.

Step 5: Clip the front of the thermostat onto the back plate



size:

