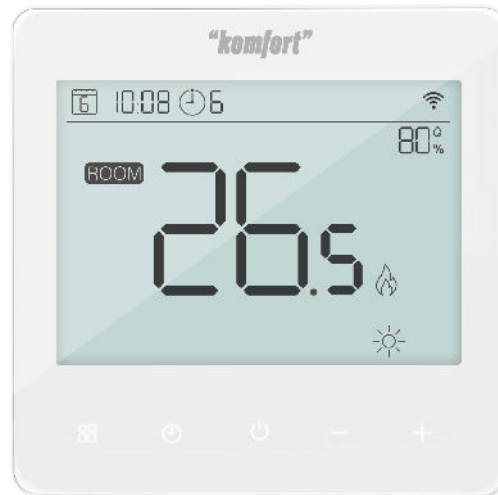


This is a smart programmable room thermostat designed to underfloor heating system as Conventional and condensing boilers or Air and Ground source heat pumps. It allows you to control and automate your home's heating system remotely using a mobile app. It works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.



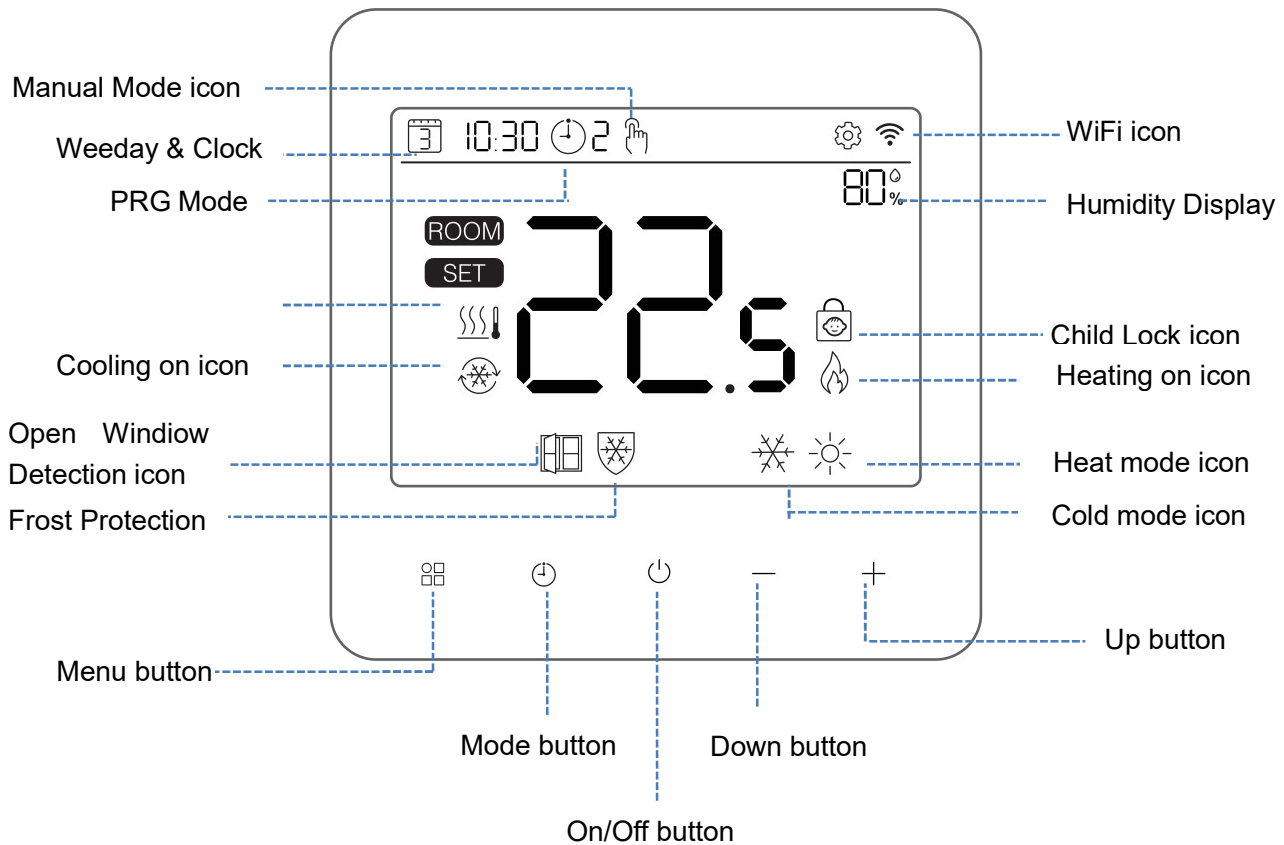
Functions

- WiFi Remote control
- Attractive Touchscreen LCD Display
- Heat Mode & Cold Mode control from CO input or from thermostat
- Adjustable Manual Mode and PRG. mode control
- 7 days Programmable (4 periods/day)
- Humidity Display
- Open Window Detection
- Child Lock Function
- Frost protection
- CE, RoHs, RED

Technical Data

Power Supply	230V, 50/60Hz	Backlight	White
Max Load	16A Volt-free	Sensor	NTC 3950 , 10K Ω at 25°C
Set Point Range	5~35°C	Accuracy	± 0.5 °C (step control by +0.5°C)
Ambient	0~50°C	Protection Class	IP20
Relative Humidity	85%	Housing	- ABS to UL94-5 fire retardant plastic



Display & Buttons



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.



- 1) Enable Bluetooth function on your phone
- 2) Add device by press “+” button at top right corner
- 3) Long press  button on thermostat until screen show , then press + button, the icon start flashing.
- 4) App is searching for nearby Bluetooth device. Press “ Add “.
- 5) Choose Wi-Fi and enter password
- 6) Wait till device add successfully




Notes: When device is never connected (first time or been removed), app may show device to be added as step. 4 directly.

Child Lock

Refer to the Menu 11 of Parameter setting to lock it. You can long press +/- button at the same time to unlock it for temporary adjustment.



Model Select

Press  button to choose Manual mode  /PRG mode .

Press  button to choose Heat mode  and cold mode  (only when parameter setting 34 set to manual control)



Clock & Weekday Setting


The date and time setting is automatically updated when the thermostat is connected to Wi-Fi via the application. If this does not happen, follow the procedure below:

Press and hold  button for 3s, set the clock (Minutes-Hour-Weekday) by pressing + and - button, each press of  button will go to next item setting.

Weekly Programmable Setting

(Recommended choice) After connecting the system to the WiFi system, program everything via the Application.

(Alternative choice without using the application) Press and hold  button for 3s to enter clock setting, press  button three times for program setting.

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

Default Setting:

Period	1		2		3		4	
	Time	Temp	Time	Temp	Time	Temp	Time	Temp
12345(Mon.~Fri.)	7:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C
6(Sat.)	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C
7(Sun.)	8:00	22°C	8:30	22°C	17:00	22°C	22:00	19°C

Temperature Calibration

This feature used to calibrate thermostat's room temperature display when actual room temperature different from thermostat showed (refer to the menu 01 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 radiator thermostat will show 21.5°C.

Frost Protection

This is the temperature maintained when the thermostat is in Frost Protection Mode (refer to the menu 05 of parameter settings). If room temperature below 5°C (Default), radiator thermostat will turn on heating till room temperature arrive 5°C (Default).

Switching Differential


This function allows you to increase the switching differential of the thermostat (refer to the menu 09 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.

Child Lock



Under child lock ON (refer to menu11 of parameter setting), the buttons will lock once backlight off. Press + and - button at the same time for 5s to unlock it for temporary adjust.

Open Window Detection(OWD) Function

When the Open Window detect function is enabled in the parameter setting, the system will automatically stop heating when it detects a sudden drop of room temperature (2°C in 15 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  disappear. Press any button will exit OWD function during the heating off period.

Parameter Settings

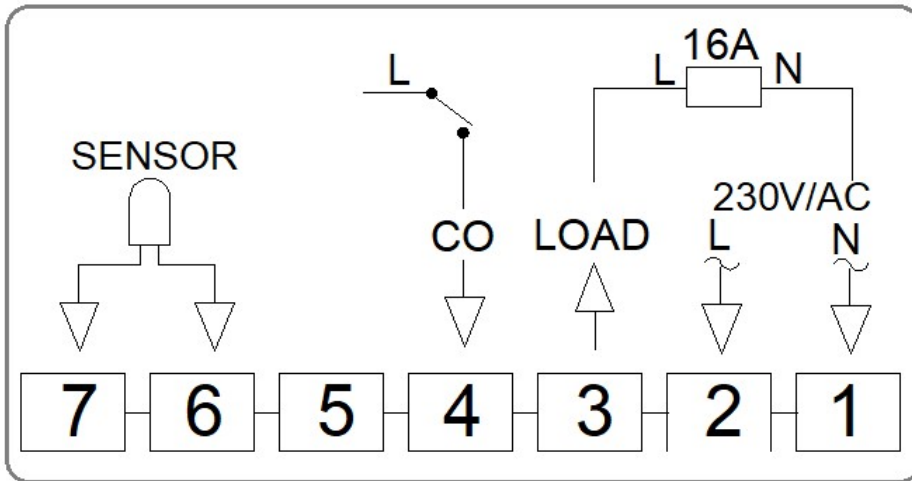
Turn thermostat off, press and hold  button for 6s to enter parameter setting. Each press of  button will go to next item setting. Adjust the value by pressing + or - button.

Feature	Description	Range	Default Value
01	Internal Sensor Temp. Offset	-8 °C ~8 °C	0
02	Set Point Max.	5 °C ~35°C	35 °C
03	Set Point Min.	5 °C ~35°C	5 °C
04	Sensor Select	0: Internal Air	2
		1: External Air or Floor	
		2: Internal Air + External Floor	

05	Frost Protection Temp.	5 °C ~15°C	5 °C
06	External Sensor Temp. Offset	-8 °C ~8 °C	0
07	Floor Temp. Display	Read Only	
08	Floor Temp.(Overheat) Limit	20 °C ~80°C	32 °C
09	Deadband/Switching Differential	0 °C ~3°C	0 °C
11	Child Lock	1: Lock 0: Unlock	0
12	OWD function	ON OFF	OFF
13	OWD Detect Time	2~30mins	15mins
14	OWD Drop temp. select (within detect time)	2-4°C	2 °C
15	OWD Mode Exit time select. (Return to previous working status)	10~60min	30mins
17	Reset	Set to 1, then long press on/off button till restart.	
18	Software version		
34	Heat & Cold control select	0: Manual control 1: CO input	0

Notes: Feature 06, 07,08 will display only when feature 04 select both air and floor sensor.

Wiring Diagram



Installation Procedure



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.

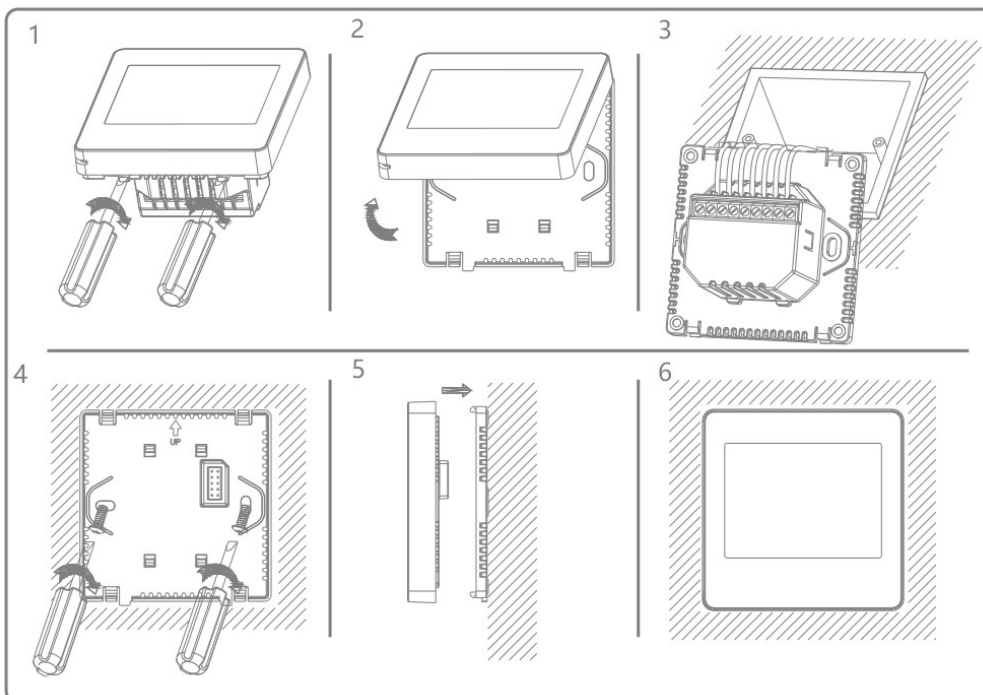
Step1: Using a small screwdriver, slightly loosen the screw from the bottom face of the thermostat. Then carefully separate the front half from the back plate.

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

