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WELCOME

Before installation, please read this manual:

- Before installation or maintenance, make sure the power supply is switched off.
- Strictly follow the wiring diagram when carrying out the installation.
- For wall mounting, make sure the fixing elements are suitable for this product.
- Do not pull the cable too hard, so as not to damage the product.
- If a rigid plastic conduit is used during installation, bend it to the appropriate angle beforehand.
- Have the installation carried out by professionals.
- In the event of a device failure, contact the after-sales service — do not attempt to repair it yourself.
- After installation, check everything again in accordance with the manual to ensure correct and safe use, and keep the manual in a suitable place.

In the box you will find:

Thermostat 1 pc Screws 2 pcs Manual 1 pc
QR code 1 pc Temperature sensor 1 pc

About Your Thermostat

The CLEAR series has been developed to control electric underfloor heating. These devices are intended for use in commercial, industrial and public buildings as well as in residential buildings.

MODEL

GB: Electric heating, 16A
W: Wi-Fi
S2: Two temperature sensors

FEATURES

Appearance

1. LED display — a friendlier interface; matrix LED backlight, simple data presentation, energy saving and eye protection.
2. Touch buttons for easy and convenient operation.
3. Ultra-thin flush-mounted panel that fits perfectly on different types of walls; the visible thickness above the wall surface is only 13 mm.
4. Frameless acrylic panel — simple and elegant design.
5. Classic black/white colours ensuring a consistent fit with the surroundings.
6. Compatible with standard 86 mm boxes and European 60 mm boxes, allowing installation in any environment.
7. "Interlock" connector for quick and convenient installation.

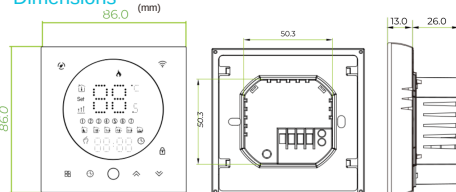
Functionality

1. Wide range of functions — Modbus, Wi-Fi, hotel card, etc., to meet all user requirements.
2. Precise temperature control ($\pm 1^\circ\text{C}$) providing exactly the level of warmth you need.
3. Power failure protection — all settings are safely saved.
4. Weekly programming in 5+1+1 mode, with up to 6 time periods per day — ecological energy saving, lower costs, more intelligence and environmental protection.
5. Support for creating local groups/sharing products, enabling unlimited centralised control of any number of devices and control from multiple terminals.
6. Excellent compatibility with Tmall Genie, Amazon Echo, Google Home — full support for next-generation voice control.

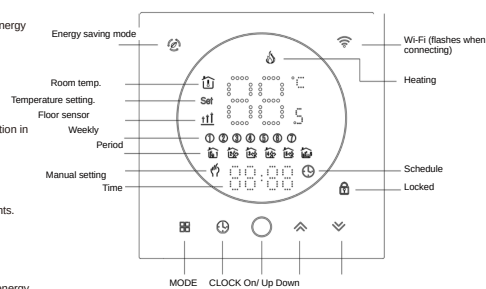
TECHNICAL DATA

Power supply: 95–240 VAC, 50–60 Hz or 24V DC/AC, 50–60 Hz
(Please check the laser-printed information on the back of the thermostat to confirm the actual voltage.)
Current load:
• 5A (water heating, water/gas boiler)
• 16A (electric heating)
Sensor: NTC3950, 10K
Accuracy: $\pm 1^\circ\text{C}$
Set temperature range: 5–35 $^\circ\text{C}$
Room temperature range: 5–99 $^\circ\text{C}$
Displayed temperature range: 5–99 $^\circ\text{C}$
Ambient temperature: 0–45 $^\circ\text{C}$
Ambient humidity: 5–95% RH (non-condensing)
Storage temperature: -5–45 $^\circ\text{C}$
Power consumption: <1.5 W
Time error: <1%
Housing material: PC + ABS (fire-resistant)
Installation box: 86 × 86 mm (square) or European 60 mm (round)
Wire terminals: 2 × 1.5 mm² or 1 × 2.5 mm² wire
Protection class: IP20
Buttons: capacitive touch

Dimensions



QUICK OVERVIEW OF THE MAIN SCREEN



BEFORE CONNECTION AND INSTALLATION

1. Read this manual carefully. Failure to follow the guidelines may damage the product or create a hazardous situation.
2. Check the parameters given in the manual and on the product to make sure it is suitable for your application.
3. The installer must be a qualified and experienced service technician.
4. After installation, check that the product works in accordance with the instructions.

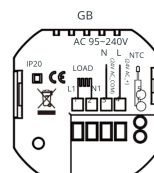


WARNING!

Risk of electric shock or damage to the device. May cause electric shock to persons or short-circuit the device. Disconnect the power supply before starting installation.

WIRING

Please check the laser-printed information on the back of the thermostat to confirm the actual voltage.



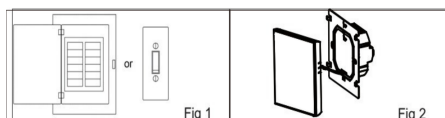
NOTE
FOR ELECTRIC HEATING ONLY

EN

INSTALLATION

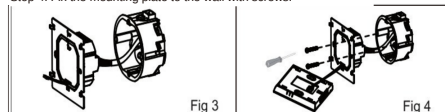
Your thermostat is suitable for installation in a standard 60 mm mounting box.

- Step 1. Switch off the power. See Fig. 1.
- Step 2. Remove the mounting plate by pressing the LED module. See Fig. 2.



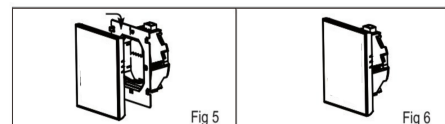
Step 3. Connect the power supply and the load to the appropriate terminals.
(For details, see the "Thermostat wiring" section and Fig. 3).

Step 4. Fix the mounting plate to the wall with screws.



Step 5. Attach the thermostat body to the mounting plate by rotating it. See Fig. 5.

Step 6. Installation complete. See Fig. 6.



SETTINGS

1. Switching on/off:

- Press () to switch the thermostat on or off.

2. Manual and programmable mode:

- Touch () to switch between manual mode and programmable mode.
- In manual mode, () appears on the display.
- and in programmable mode () appears.

3. Setting the temperature:

- In programming mode the temperature and time settings are locked.
- If the user wants to change them, the thermostat must first be switched to manual mode by pressing the () key.
- In manual mode, press () () to set the desired temperature.

4. Adjusting/Setting the clock:

- Press () to set the minutes, hours and day of the week using () ().
- Press () again to confirm and exit.

5. Locking the thermostat:

- Press and hold () and () for 5 seconds to lock/unlock the thermostat.

- In item 3 of the advanced menu you can select full or partial lock.

6. Adjusting/Setting the programmable schedules:

- Press the () icon four times in a row.
- "MON TUE WED THU FRI" and () appear, and the minutes start flashing.

Use () to set the minutes.
Press the () icon again — the hour starts flashing; set it using " () ()".

Press the () icon again — the temperature setting starts flashing; set the temperature using () ().
This completes the setting of period 1.

Set periods 2, 3, 4, 5 and 6 in the same way.

Press the () icon once more to go to the Saturday schedule settings ("SAT" appears on the screen).
Repeat the above steps to set the periods and temperature for Saturday and for Sunday.

Press the () icon once more to confirm and exit.

Default programming schedule settings

Time display	MON.–FRI. (①②③④⑤ shows on screen)		SAT. (⑥ shows on screen)		SUN. (⑦ shows on screen)	
	TIME	TEMP.	ON TIME	TEMP.	ON TIME	TEMP.
Period 1	6:00–8:00	20	6:00–8:00	20	6:00–8:00	20
Period 2	8:00–11:30	15	8:00–11:30	20	8:00–11:30	20
Period 3	11:30–13:00	15	11:30–13:00	20	11:30–13:00	20
Period 4	13:30–17:00	15	13:30–17:00	20	13:30–17:00	20
Period 5	17:00–22:00	22	17:00–22:00	20	17:00–22:00	20
Period 6	22:00–6:00	15	22:00–6:00	15	22:00–6:00	15

A separate schedule can be set for weekdays (Monday–Friday) and for the weekend (Saturday or Sunday).

7. Checking the floor sensor temperature

Press and hold the () arrow for 5 seconds to display the temperature from the floor sensor.

If the external sensor is not connected, the thermostat displays "err". Note: Do not use external sensors from other manufacturers — the temperature will be displayed incorrectly.

8. Setting functions and options

When the thermostat is switched off, press and hold () and () for 8 seconds to enter the system function menu. Then press () to move between the available functions, and use the () () arrows to change the available options.

All settings are saved automatically.

CODE	FUNCTION	SETTINGS	DEFAULT
1	Temperature compensation: from -9 to +9 $^\circ\text{C}$	-3	-3
2	Temperature dead zone	1–5 $^\circ\text{C}$	1
3		01: All buttons are locked except the power button. 02: All buttons are locked.	1
4	Temperature mode	In: Internal sensor (for temperature control). Out: External sensor (for temperature control). AL: Internal and external sensor (the internal sensor is used for temperature control and the external one for temperature setting).	AL
5	Min. set temp.	5–15 $^\circ\text{C}$	5
6	Max. set temp.	15–45 $^\circ\text{C}$	35
7	Temperature display	00: Display of set temperature and room temperature. 01: Display of set temperature only.	00
8	Low temperature protection setting	0–10 $^\circ\text{C}$	0
9	High temperature protection setting	25–70 $^\circ\text{C}$	45
10	Energy saving mode	00: OFF 01: ON	00
11	Energy saving mode temperature	0–30 $^\circ\text{C}$	20
12	Display brightness during the day (6:00–22:00)	0–8 When set to 0, the device enters sleep mode after 10 seconds of inactivity. The screen is switched off completely and nothing is displayed.	1
13	Display brightness at night (22:00–06:00)	0–8	1
14	Special effect of the backlight in standby mode	0: no light ring 1: light ring lights up fully after rotation 2: light ring is always on 3: light ring stays in continuous rotation mode	1
15	Reset	00: No factory reset 01: factory reset	00
16	Version number		U7

Wi-Fi Connection

Before using the thermostat for the first time, the Wi-Fi signal and settings must be configured using a smartphone or tablet. This enables communication between the connected devices.

Step 1. Download the app

(Fig1-1)



Fig 1-1



Fig 1-2 iOS



Fig 1-3 Android

Search for "SmartLife" in the Apple Store or Google Play, or use a browser to scan the QR code above (Fig. 1-2), then register an account and install the app, following the instructions in the app.

Step 2. Connect the thermostat. Method 1: Network configuration via Bluetooth (Fig. 2.1-2.6). Turn on Bluetooth on your phone and set the thermostat to Wi-Fi network mode. Then follow the tutorial below to complete the connection and configuration.

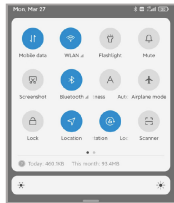


Fig2.1

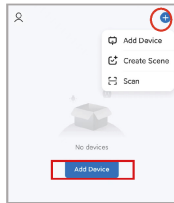


Fig2.2



Fig2.3



Fig2.4

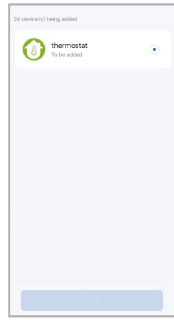


Fig2.5

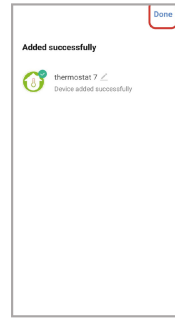


Fig2.6

Method 2: Scanning the QR code for network configuration (Fig. 2.2 and Fig. 2.7-2.8) — complete the connection and configuration by following the instructions.

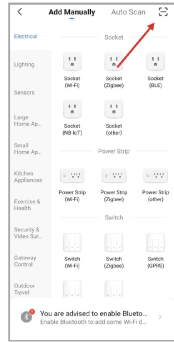


Fig2.7

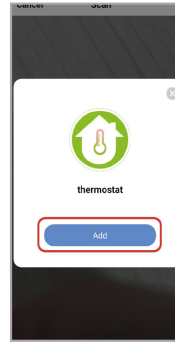


Fig2.8



Scan the QR code

Method 3: Standard network configuration (Fig. 2.9-2.10)

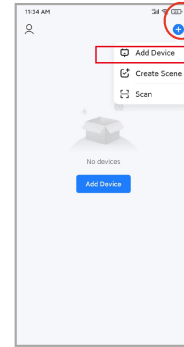


Fig2.9



Fig2.10

Network configuration mode:

1. EZ mode

Hold the button until the thermostat screen starts flashing rapidly and shows the icon, then follow the instructions shown in the figures (Fig. 2.11-2.14).

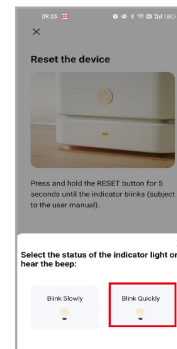


Fig2.11

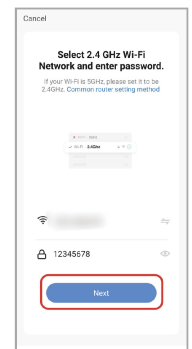


Fig2.12

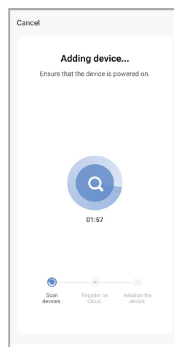


Fig2.13

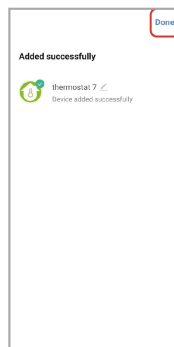


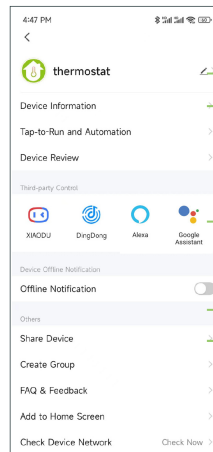
Fig2.14

After connecting to this hotspot, return to the "SmartLife" app.

Description of the app operating interface (heating thermostat)



More settings



Change the thermostat name

Show the thermostat's virtual ID

Connect a smart voice assistant – audio guide

Share the thermostat with your family

Group multiple thermostats for joint management

SIMPLE TROUBLESHOOTING

No.	Symptoms	Solution
1	Power is on but there is no display.	Check that the terminals between the LCD panel and the power module are not loose.
2	No output (no heating), but the display works.	Use a new LCD panel or a new power module to replace the old one.
3	The room temperature differs slightly from the actual one.	Perform temperature calibration in item 1 of the advanced options.

SERVICE

Your thermostat has a 24-month warranty from the date of purchase. Service performed after the warranty period may be subject to a charge. For more detailed information, please contact us directly.



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