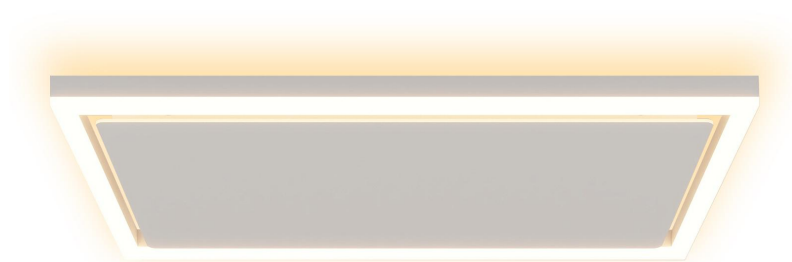


LED LIGHT PANEL HEATER

INSTRUCTION MANUAL



SYMBOLS



Warning

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Warning of electrical voltage

This symbol indicates dangers to the life and health of persons due to electrical voltage.

Symbols	Meaning
	This symbol located on the device indicates that it is prohibited to place objects (such as towels, clothes etc.) above or directly in front of the device. In order to avoid overheating and fire hazards, the device must not be covered.
	This symbol located on the device indicates dangers to the life and health of persons due to hot surface.
	This symbol located on the device indicates that it is prohibited to spray the device.
	This symbol located on the device and information marked indicates that operating manual must be observed.

CONTENT

- 1 | WARNING & PRECAUTION
- 2 | FEATURES
- 3 | TECHNICAL INFORMATION
- 4 | SCOPE OF SUPPLY
- 5 | INSTALLATION
- 6 | THERMOSTAT
- 7 | SECONDARY REMOTE CONTROL(OPTIONAL)
- 8 | TROUBLESHOOTING
- 9 | MAINTENANCE & SERVICING
- 10 | STORAGE
- 11 | TECHNICAL ANNEX
- 12 | DISPOSAL

1 | WARNING & PRECAUTION

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury. Save all warnings and instructions for future reference.



Warning

This series must be mounted above 2.3meters high !

Make sure the series you bought and install it in accordance to the tips in installation part!



Warning

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



Warning

Children of less than 3 years should be kept away unless continuously supervised.

Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.



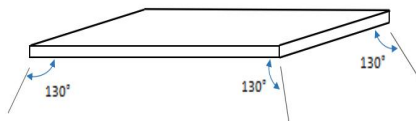
Warning

Do not use the device in small rooms if persons are present who cannot leave the room independently and who are not under constant supervision.



Warning

Sensors with temperature detection, or temperature controller, should not be placed within the radiation range of 130 degrees of the ceiling heating plate, otherwise it will affect the actual temperature detection .



Warning

Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present. Its dangerous of installation close to curtains and other combustible materials. To avoid the possibility of burns, the following people should be much more careful when using the heaters: infants and kids, people with sensitive skin, the old, the sick, people who is drunk, people who takes sleeping pills.

- Remove the protective film(on the front) before using.
- Be sure the usage voltage is between 220-240V, 50Hz, and power supply has been strictly in accordance with IEC, left is null wire and right is live wire, and also well grounded.
- The devices will draw more current than small appliances, so a separate 15A socket is required.
- Do not use the device in potentially explosive rooms.
- Do not use the device in aggressive atmosphere.
- Set the device up in an upright and stable position.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover or transport the device during operation.

- Do not sit on the device.
- This appliance is not a toy! Keep away from children and animals. Do not leave the device unattended during operation.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in chapter Technical data.
- Do not use the device when the socket or wire overloaded.
- Observe the device's power input, cable length and intended use when selecting extensions to the power cable. Completely unroll extension cables. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket or disconnect the circuit.
- Switch the device off and disconnect the power cable from the main socket when the device is not in use.
- Do not use the device under any circumstances if any damages on the mains plug or power cable. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Defective power cables pose a serious health risk.
- During the installation of the device observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical data chapter.
- Never drill into the heating device.
- Do not use the device in immediate proximity to curtains.
- Do not place the device on combustible ground.
- Do not transport the device during operation.
- Do not touch the surface during the device working to avoid burns.
- Allow the device to cool down before transport and / or maintenance work.
- Do not use this device near bathtubs, shower trays, swimming pools or other water containers. Risk of electric shock!
- The device must be placed where the switches and controllers cannot be touched by a person in a bathtub or shower.
- Do not use this device in a child-care centre and bathroom.(Only for Sweden).

- The ambient temperature when using this device shall not exceed 30 degree.

2 | FEATURES

- The device is designed to provide an efficient, comfortable and healthy heating system for any domestic users.
- These devices can reduce air circulation and help to maintain a clean, silent, dust free environment.
- A wide range of devices available in a huge choice of colors, sizes and styles.

3 | TECHNICAL INFORMATION

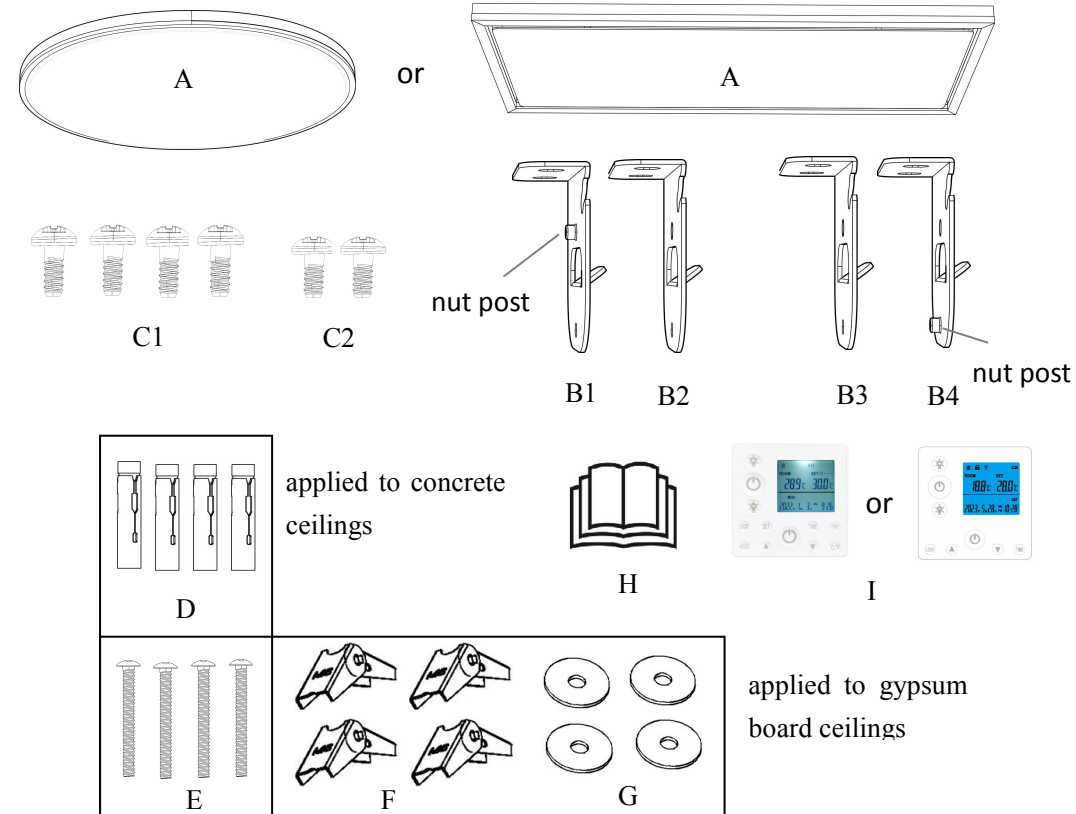
2CG-L series

Heating element	Aluminum heating tube
Input Voltage	220-240V/50Hz
Surface temperature	Main 280℃
Surface material	Aluminum
Power cord length	≤1.9m

Model NO.	Size(mm)	Heating Power(W)	LED Power(W)
IGTa-CGR60-L	Φ 600	750	40
IGTa-CGR80-L	Φ 800	1400	40
IGTa-CGR100-L	Φ 1000	2400	40
IGTa-CG0603-L	670*390	750	40
IGTa-CG0803-L	930*390	1150	40
IGTa-CG1003-L	1070*390	1300	40
IGTa-CG1203-L	1350*390	1700	40
IGTa-CG1503-L	1620*390	2000	40

I=built-in temperature control;
a=1/2(1=Remote thermostat; 2=WIFI and Remote thermostat);
L=LED light

4 | SCOPE OF SUPPLY



A: Heater(circular or rectangular) ×1	B(B1&B2&B3&B4): Brackets ×4
C: (C1&C2): Phillips round-head screw ×6	D: Metal expansion tubes ×4
E: Phillips flat head screw ×4	F: Spring Toggles × 4
G: Washers × 4	H: Manual ×1
I: Thermostat × 1(optional)	

- Tips:** 1. B2 and B3 have the same structure, B1 and B2 are used for the ceiling, while B3 and B4 are used on the device to avoid confusion.
2. D and E are applied to concrete ceilings, whereas F, G and E are used on gypsum board ceilings.

5 | INSTALLATION



Warning

- Mounting work must be carried out by professional electrician !
- Do not suspend panels by heating power cord !
- No any sticking ways are allowed to be used for hanging or suspending support !
- Make sure the ceiling is stable enough !
- Do remove the front protective film before using !
- Power cord must be well grounded!



WARNING:

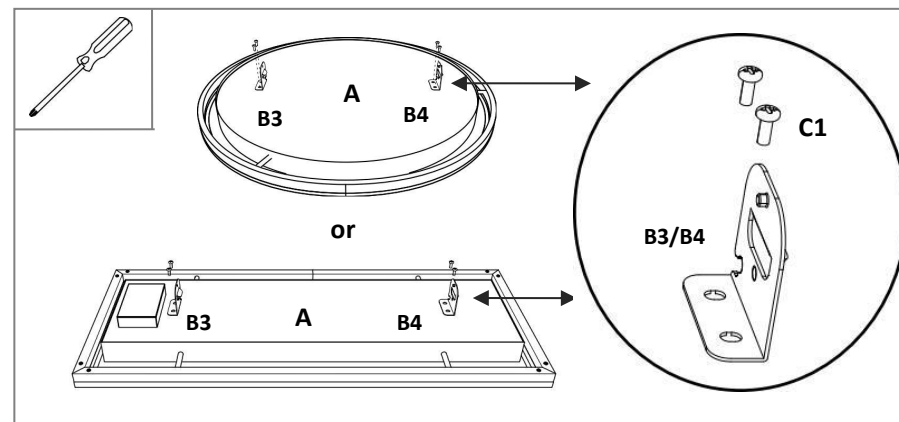
- To mitigate errors, please measure all dimensions before proceeding with the installation.
- Install this product at a minimum height of 2.3 meters above the ground level.
- The articulating brackets must be securely fastened with bolts before connecting the heater to the fixed electrical circuit.
- The heater must be installed within a distance of less than 190cm from a properly grounded outlet. Do NOT use an extension cord.

Before starting the installation, please make sure to determine the material of the ceiling. The following are the installation methods for **concrete ceilings** and **gypsum board ceilings**. Please choose and use appropriate accessories based on the specific situation.

a. Concrete ceiling Installation

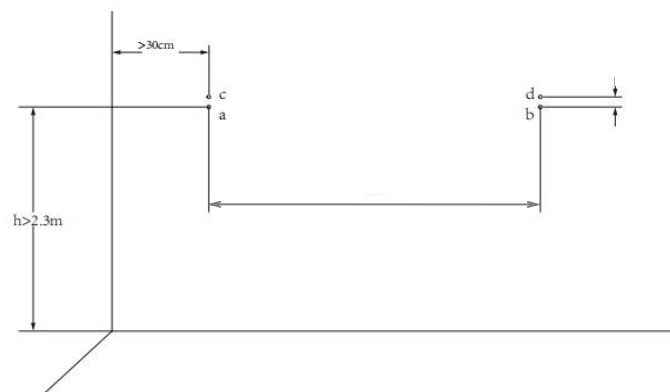
1. Align the two brackets (B3&B4) separately with the pre-drilled installation holes on the back of the device (A), ensuring that the direction of both brackets remains consistent, secure each bracket (B3/B4) in place using screws (C1).

Note: Please install the brackets (B3&B4) in the direction shown in the diagram to avoid interfering with the junction box.



2. Secure the mounting template onto the ceiling, accurately identifying the corresponding hole positions, and mark the hole locations on the ceiling for drilling purposes. (Alternatively, you can determine the drilling positions by measuring the distances ab and ac on the back of the product.)

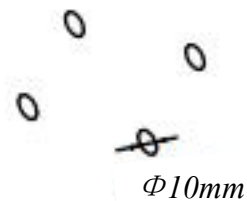
Note: Install the device at least 2.3m above the floor.



3. Drill 4×10mm holes at the marked positions.

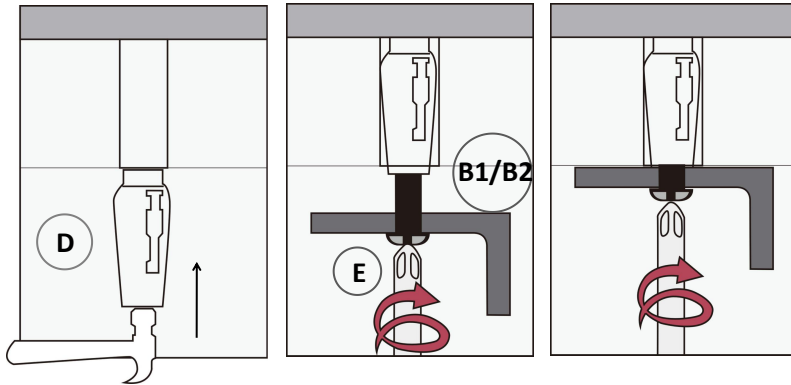


Excessive drilling diameter is strictly prohibited !



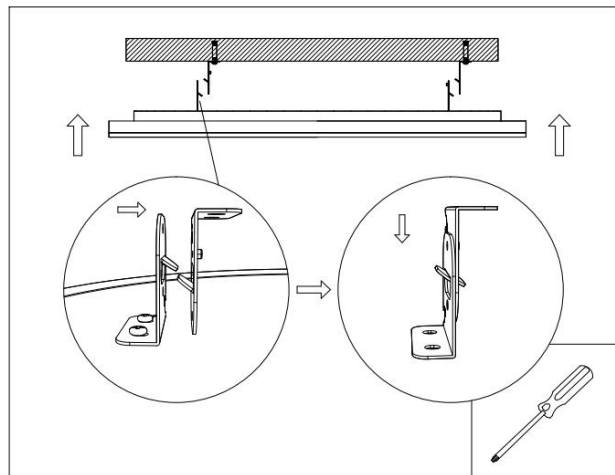
4. Insert the metal expansion tubes(D) into the drilled holes.
5. Thread the screw(E) through the holes in the two brackets (B1&B2) , then secure them into the metal expansion tubes(D).

Note: Ensure that the two brackets (B1&B2) are oriented in the opposite direction to the two brackets (B3&B4) that are already installed on the device.

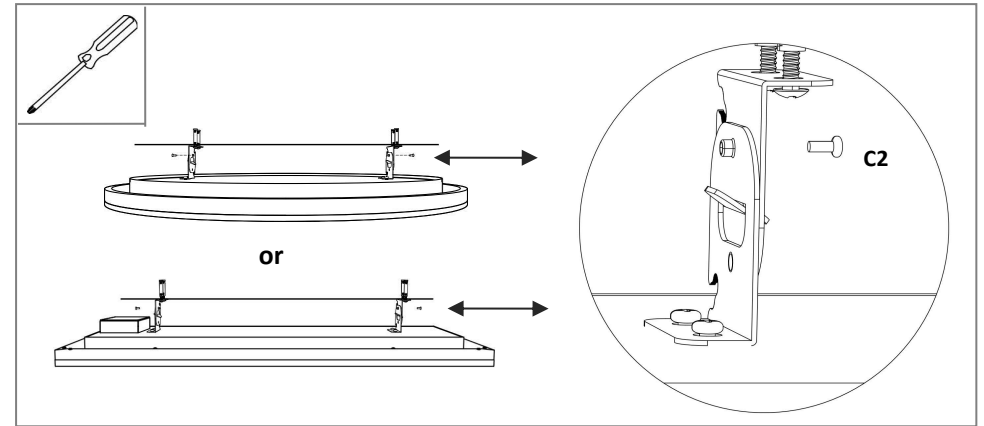


! The expanding nut goes into the inside of the hole , it is strictly prohibited to install it in reverse!

6. First, interlock the hanging tabs on the brackets(B3&B4) attached to the product(A) with the hanging tabs on the corresponding brackets(B1&B2) on the ceiling, passing them through the slotted holes and securely engaging them together. Then, gently shake the product to confirm that it is properly locked in place and does not come loose.



7. Secure the two brackets with screws(C2) and tighten the screws.



b. Gypsum Board Ceiling Installation

1. Refer to Step 1 of the concrete ceiling installation to secure the brackets (B3&B4) to the device.
2. Refer to Step 1 of the concrete ceiling installation to mark the drilling positions.



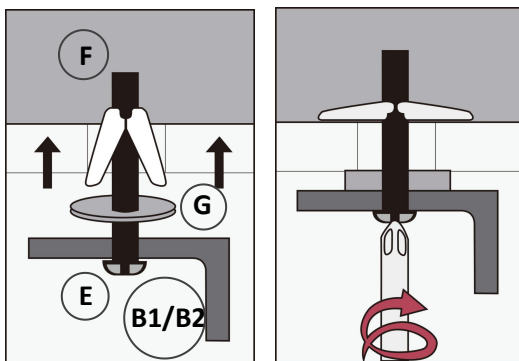
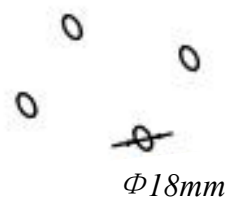
1. Please note that the spring toggles (F) are designed for gypsum boards or wooden ceilings with a thickness ranging from 9-18mm. It is forbidden to be used on gypsum board ceilings with a thicknesses less than 9mm.
2. For wooden ceilings exceeding 18mm in thickness, consider employing metal expansion tubes (D) or using your own carpentry nails,ensuring the carpentry nails meet or exceed M5*40mm in size.

3. Drill four 18mm holes at the marked positions.



Excessive drilling diameter is strictly prohibited !

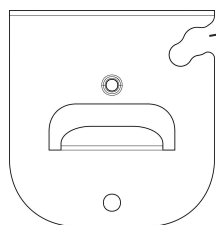
4. Thread the screws(E) through the hole in the articulating brackets(B1&B2), the washer(G), and the spring toggle(F). Then insert the spring toggle into the pre-drilled hole.



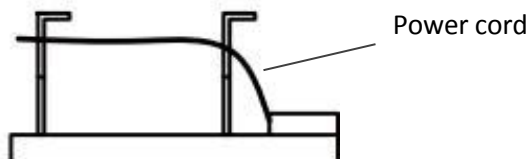
5. Tighten the screws.

6. Refer to Steps 6 and 7 of the concrete ceiling installation to secure the device and complete the installation.

Power Cord Placement Tip:



Insert the power cord into the Cable routing groove to lift it off the surface and ensure proper routing.



Do not place the power cord on the back of the product!

6 | THERMOSTAT

Depending on your order, you will receive the operating instructions that match the product you purchased.

Mode A	Control the device with a built-in remote thermostat
Mode B	Control the device with a built-in WIFI and remote thermostat

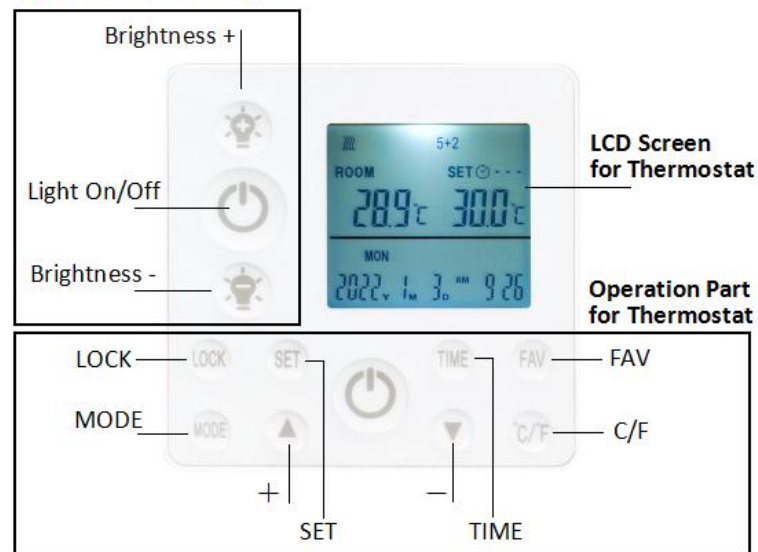
A: Instruction for Control and Operation Way A

Specification

- Battery-powered: DC 4x 1.5V AAA batteries (not included)
- Set temperature range: 5°C~ 35°C, resolution: 1°C
- Room temperature range: 0°C~ 50°C, display resolution: 0.1°C
- Accuracy of the measured temperature: ±0.5°C
- Working **environment** range 1°C~ 50°C
- Radio frequency 433.92MHz

Description

Operation Part for Light



1. This thermostat also includes individual operation part for LED light.

2. The thermostat acquires the room temperature with its integrated sensor and transmit signal to the panel to turn on/off heating as the ambient temperature changing, in order to maintain a constant room temperature. When the ROOM temperature is 0.5°C higher than the SET temperature, thermostat will send OFF commands to panel; When the ROOM temperature is 0.5°C lower than the SET temperature, thermostat will send ON commands to panel to turn on heating function.
3. The screen displays current temperature and target temperature, date & time, °C/°F mode etc.
4. The thermostat has the functions of Flexible Programming, Temperature Setting, Open window detection, Time setting etc.
5. It is powered by 4pcs of 1.5V AAA batteries. Please change with new batteries if the battery symbol gets flashing, or else it will not be able to control the panel.
6. Keypad locking function is designed to prevent the children from misusing.
7. LCD screen powered off means only the panel heating power off, the remote control itself is still under working state until batteries dead/out or broken.

Operation Instructions of Heating Function

Pair the thermostat with the heating device

Plug the panel into power socket, press ON/OFF for thermostat, then press button °C/°F and MODE buttons at same time to pair the thermostat with panel until a long beep sound heard.

NOTES:

- 1) Pairing should be finished within 1 minute, or else you need to re-power on the device.
- 2) Please re-power on the panel if you want to pair the device with another thermostat.
- 3) One thermostat can be paired to and work with several panels at same time.
- 4) Before pairing please do power off those panels which you don't want to pair.

Set the Time and Day

It is essential that the clock time and day are set accurately if you require your programmed events to start on time.

Step 1. Press and hold TIME button for 3 seconds until the Year of date flashing.


Step 2. Use ▲ or ▼ button to set the Year, then short press TIME to save and proceed with setting up Month/Day/Hours/Minutes in similar manner.

Step 3. Short press TIME button again to save and exit.

Manually turn the thermostat ON/OFF

Press ON/OFF button to turn the thermostat on/off.

When thermostat is turned Off, the LCD will only display current room temperature reading.


When thermostat is turned On, users can press ▲ or ▼ button to increase or decrease the set temperature. If the set temperature is below room temperature, heating device is now OFF. If the set temperature is above room temperature, the thermostat goes ON and heating symbol  appears on the screen of thermostat, it is now supplying power to heating device.

Tips:

1) The default setting temperature when the product starts up is 19°C .(in manual mode).

2) Setting temperature range: 5-35 °C.

Lock the buttons

Press and hold the LOCK button for 3 seconds until you see a lock icon  appearing. To unlock, repeat the steps above.

°C/°F Display

Short press the C/F button to convert Celsius/Fahrenheit or Fahrenheit/Celsius.

FAV Function

Press and hold FAV for 3 seconds until the setting temperature icon flashes, the default preferred temperature value is 24°C , which can be adjusted by pressing the ▲ and ▼ buttons, and short press FAV button to confirm.

In daily use, setting temperature will convert to favorite temperature when short press FAV button, short press again to switch back to the original setting temperature.

Switch between manual mode, 5+2 mode, and 1...7 mode.

Default to manual mode, long press MODE button to switch to 5+2 mode, long press MODE button again to switch to 1...7 mode, long press MODE button again to switch back to manual mode, and repeat the cycle.

How to Programme Your Thermostat?

Long press the SET button to enter the programming mode setting state.

(long press again to exit)

Notes: 1. Programming mode has a time-out limit whereby if no buttons are pressed within 8seconds, it reverts back to the main screen.

2. It must be set in 5+2 or 1-7 programming mode. In manual mode, long pressing SET button has no response.

1) 5+2 Programming Mode

You can program the thermostat to fit your lifestyle — week and weekend, plus up to 4 groups of time interval per day.

Step 1. Once in 5+2 mode, Press and hold the SET button for 3-5 seconds until Program icon ① and MON TUE WED THU FRI is displayed with ON and Time Icon flashing on screen.

Step 2. Press ▲ button to adjust hour(+1hour/press) and press ▼ to adjust Minute(+5minutes/press) to set the starting time of Program ①.

Step 3. Press the SET button once and OFF icon flashing on screen, Use ▲ Button to adjust hour (+1hour/press) and press ▼ to adjust minute (+5minutes/press) to set the ending time of Program ①.

Step 4. Press the SET button once again and set temperature icon flashing on screen, Use ▲ or ▼ button to set the desired temperature to be maintained for program ①.

Tips:

1) Setting temperature range:5-35 °C

Short press the FAV button to choose your favorite temperature value.

Step 5. Press the SET button to bring up Program ② of week days , repeat Step 2-5. And users can set up Program ③ and ④ in similar manner.

Step 6. After finishing setting Program ④, press the SET button to bring up SAT and SUN setting, repeat step 2-5 to set Program① ② ③ ④ of weekends.

2) 1-7 Programming Mode

You can program the thermostat everyday with setting 2 groups of time interval per day.

Once in 1-7 Mode, Press and hold the SET button for 3-5 seconds until Program icon ① and MON is displayed with ON and Time icon flashing on

screen, users can follow the above step 2-4 to set On/Off time and desired temperature of Program ① and ② from Monday to Sunday in sequence.

Tips:

1). The default starting time , the ending time , and default temperature settings are detailed in the following table.

MODE \ TIME			Starting time	Ending time	Default setting temperature (°C)
5+2	MON-FRI	1	00:00	06:30	17
		2	06:30	08:45	19
		3	08:45	17:00	17
		4	17:00	22:30	19
	SAT-SUN	1	00:00	08:00	17
		2	08:00	14:00	19
		3	14:00	17:30	17
		4	17:30	23:15	19
1...7	MON	1	06:30	17:00	17
		2	17:00	22:30	19
	TUE	1	06:30	17:00	17
		2	17:00	22:30	19
	WED	1	06:30	17:00	17
		2	17:00	22:30	19
	THU	1	06:30	17:00	17
		2	17:00	22:30	19
	FRI	1	06:30	17:00	17
		2	17:00	22:30	19
	SAT	1	08:00	14:00	19
		2	17:30	23:15	19
	SUN	1	08:00	14:00	19
		2	17:30	23:15	19

2). The device can still be turned on and off or the temperature can be set normally during weekly timer on.

3).When programming, please don't set overlapped intervals between workgroups. If the time periods overlaps, the group with an earlier starting time will be executed ON first, and the group with an earlier ending time will be executed OFF, until the next group turns ON.

4). The programmed time / temperature setting will be restored with the next program entry in the memory.

5). Once finish setting up the programming mode, the thermostat will work under programming mode ON even if the thermostat is turned off. The heating device will be switched ON or OFF according to the programming setting.

Open Window Detection

The thermostat will automatically turn off the heating device if a sudden drop in temperature in the room is detected.

Notes

1. The date and time need to be reset after battery replaced. No reprogramming required.
2. Alkaline battery is recommended. If ALL buttons on the thermostat are not working, try replacing the batteries.
3. Please do change the batteries with new ones once the screen battery symbol gets flashing, or else it may result in halted/stuck/not working.
4. Check if set temperature is higher enough than room temperature first if the heating can not be turned on by thermostat.
5. If users want the week timer and temperature work, make sure it has been switched to 5+2 or 1...7 mode;
If users want it not working, switch to manual mode.
6. Do not cover or touch the temperature sensor which is at the top of the thermostat.
7. Do put the thermostat in a open normal room environment rather not inside a drawer/pocket or under pillow/quilt etc.
8. Please do take out the batteries from the thermostat if long time no use.

Operation Instructions of LED Lighting Function

1. Once thermostat is paired with device, Press ON/OFF button for LED light to turn on/off the led light surrounding the panel, and long press ON/OFF button to switch light color (Cold Light—Warm Light—Nature Light if available).
2. Press +/- to adjust the brightness, short press can adjust brightness to 100%, 75%, 50% and 25%, long press can adjust from 100% to 5%.

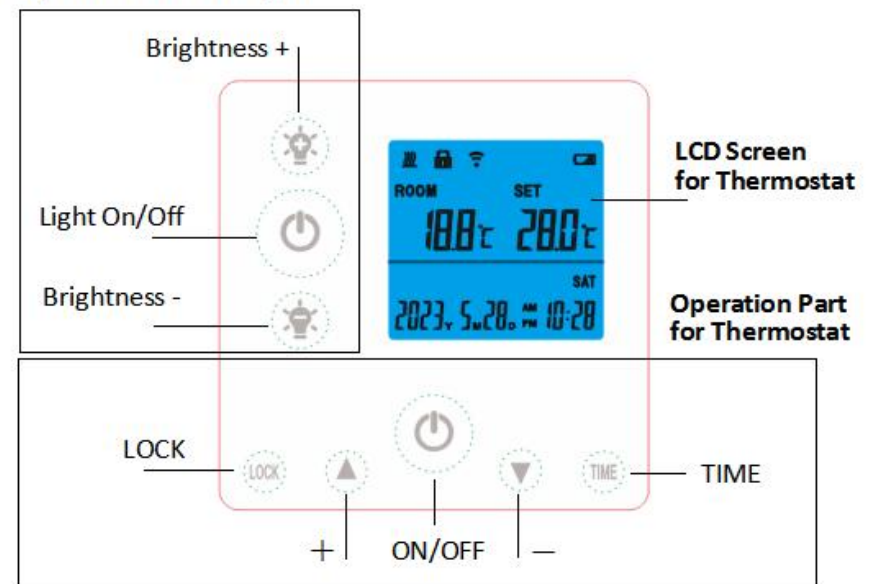
B: Instruction for Control and Operation Way B

I . Specification

- Battery-powered: DC 4x 1.5V AAA batteries (not included)
- Set temperature range: 5°C~ 35°C, resolution: 1°C
- Room temperature range: 0°C~ 50°C, display resolution: 0.1°C
- Accuracy of the measured temperature: $\pm 0.5^{\circ}\text{C}$
- Working environment range 1°C~ 50°C
- Radio frequency 433.92MHz

II . Description

Operation Part for Light




1. This thermostat also includes individual operation part for LED light.
2. The thermostat acquires the room temperature with its integrated sensor and transmit signal to the panel to turn on/off heating as the ambient temperature changing, in order to maintain a constant room temperature. When the ROOM temperature is 0.5°C higher than the SET temperature, thermostat will send OFF commands to panel; When the ROOM temperature is 0.5°C lower than the SET temperature, thermostat will send ON commands to panel to turn on heating function.
3. The screen display shows the setting temperature as well as the measured temperature, time, date, modes etc.
4. The thermostat has temperature setting, auto-off when temperature jump, time setting functions etc.
5. It is powered by 4pcs of 1.5V AAA batteries. Please change with new ones if the battery symbol gets flashing, or else it will not be able to control the panel.
6. Keypad locking function is designed to prevent the children from misusing.
7. LCD screen powered off means only the panel heating power off, the remote control itself is still under working state until batteries dead/out or broken.
8. The LCD screen only can work in temperature range from 1°C~ 50°C.

III. Operation

1. Power on the panel, press ON/OFF for thermostat, then long press LOCK and TIME buttons at same time for 3 seconds to pair the thermostat and panel until long beep sound.

NOTES:

- 1) Pairing should be finished within 1 minute, or else you need to re-power on the panel.
- 2) Please re-power on the panel if you want to pair the panel with another thermostat.
- 3) One thermostat can be paired to and work with several panels at same time.
- 4) Before pairing please do power off those panels which you don't want to pair.
2. Press ON/Off button for LED light to turn on/off the led light surrounding the panel, and **long press** to switch light color (for some models only).
3. Press +/- to adjust the brightness, short press can adjust brightness to 100%, 75%, 50% and 25%, long press can adjust from 100% to 5%.
4. Press ON/Off button for thermostat to turn on/off the heating power.

5. Long press LOCK 3 seconds to lock/unlock the buttons.
6. Press + and - buttons to convert the temperature display measurement unit.
7. Long press TIME 3 seconds to set year, month, date and time with UP and DOWN buttons.
8. Press UP and DOWN to set target temperature.
9. The symbol  means heating, it only displays when room temperature is 0.5°C (or more) lower than set temperature.
10. The backlight will be ON when press any button in the state of power-on.

Notes

9. All settings need to be re-set after battery replacement.
10. Alkaline battery is recommended. If ALL buttons on the thermostat are not working, try replacing the batteries.
11. Please do change the batteries with new ones once the screen battery symbol gets flashing, or else it may result in halted/stuck/not working.
12. Check if set temperature is higher enough than room temperature first if the heating can not be turned on by thermostat.
13. Do not cover or touch the temperature sensor which is at the top of the thermostat.
14. Do put the thermostat in a open normal room environment rather not inside a drawer/pocket or under pillow/quilt etc.
15. Please do take out the batteries from the thermostat if long time no use.

IV. Instructions of WIFI Connection

1. Before pairing, please make sure your mobile phone connects to your 2.4ghz WIFI signal invariably.
2. Scan and install below Smart Life APP, and Register an account.



→
finished APP icon



3. Power on the heater and it will beep automatically, **long press LOCK and ON/Off button 6s by thermostat until the blue indicator on the rear junction box starts blinking.**

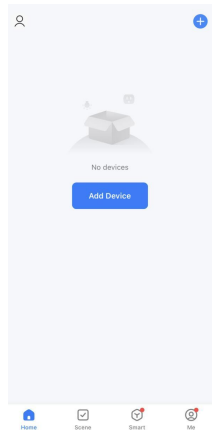
NOTE: same operation is necessary when WiFi hotspot changed, WiFi password changed, or cell phone changed.



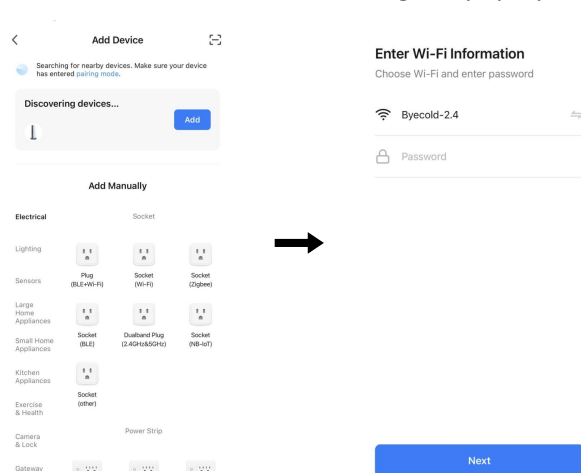
Blue color means online

Red color means heater is heating up

- Click Smart Life App to enter main interface, Select room name and click “Add Device” or the upper right corner “+” icon. A pop-up window appears as below picture.

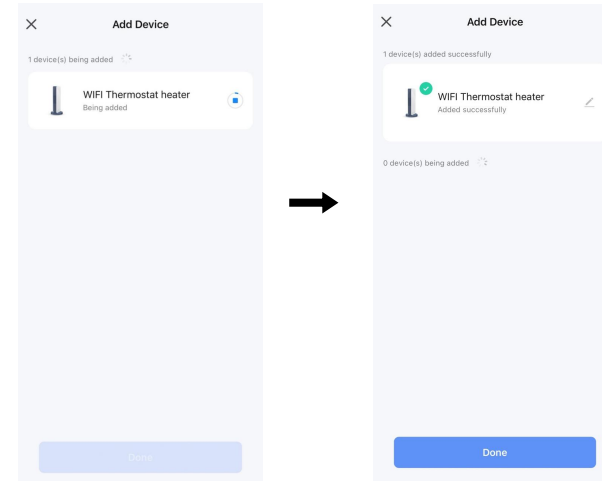


- Click “Add”, an Enter Wi-Fi Information dialog will pop-up as following.

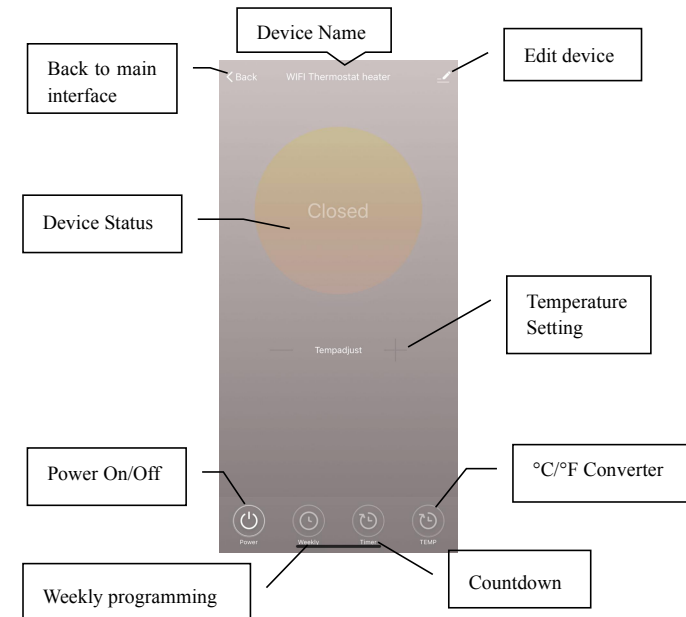


- Enter Wi-Fi password, click “Confirm”, It will automatically enter the next step for WIFI connection. The device will be added successfully after waiting for 20-30 seconds. And meantime the blue indicator at the front corner of heater

lights up. You can name this device, e.g. “WIFI Thermostat heater”.

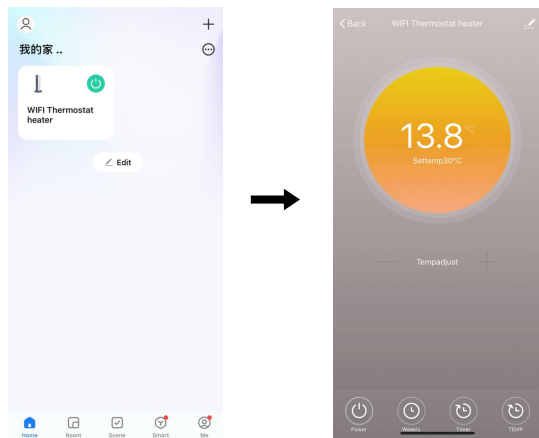








Note: If the connection is timed out in Step 6, please Repeat Step 3-6.



V. Operation Instructions

1. Main view of the Smart Life APP after heater connected successfully as below.



2. Click the green  to turn on/off the heater.
3. Click device name "WiFi Thermostat heater" to enter the interface of the device.
4.  means the heater being turned on or off. When the product is turned on, if the set temperature is more than 0.5°C higher than the ambient temperature, the heater will be in a heating state. If the set temperature is less than or equal to 0.5°C higher than the ambient temperature, the heater will not heat.
5.  means weekly programming mode. Under weekly mode, users can program the heater to change the operation and desired temperature throughout the week. ON and OFF timing is separate, you need to add individually. Don't forget to turn ON the weekly button to Green after programming..
Note: weekly will still work as per setting even under APP powering off state.
6.  is countdown function for setting to power off the heater.
Note: APP powering off will cause timer setting canceled.
7.  means convert temperature display between °F and °C
Note: Weekly, Timer and TEMP these three functions can be edited only under power on mode!
8.  means other editing of the heater, description as below.
 - 1) Device name: edit the thermostat name.

- 2) Device information: to check the virtual ID etc device information.
- 3) Share device: you can share the control of this thermostat to other mobile numbers/email addresses if they have been registered in "Smart Life" APP.
- 4) Create Group: you can group different thermostats to control together.
- 5) FAQ & Feedback: to report any problems to the APP supplier.
- 6) Add to the home interface: you can turn on the heater directly on the home interface.
- 7) Check Device network: check the wifi connection status of device.
- 8) Check Update: Get latest firmware version.
- 9) Remove Device: remove thermostat from your APP.

Notes

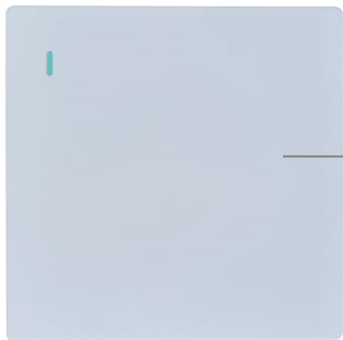
1. The heater only support 2.4GHz network.
2. Blue light means the heater is online, red light means the heater is heating up.
3. WiFi or network disconnected will cause heater offline and heater powering off.
4. The blue LED indicator may not light up at the first time when you finished the WIFI connecting, you need to wait for a couple of seconds due to network searching and connecting.
5. Do not use heaters in wet or running water environment.
6. Please pull out the heater power supply from your socket if long time no use.
7. Both the remote-controller and App can turn on/off the heater and set the temperature. The remote-controller setting can be linked to the App, but the App setting cannot be linked to the remote-controller.
8. If the remote control and the built-in receiver lose connection, the App will display the last received room temperature. The heater will continue to operate based on this date.
 - 1) If no temperature data is received in 1 hour, the app will show "--.-", a disconnection warning will also be sent to the phone.
 - 2) If connection is re-established during this time, the App will display the real-time room temperature.
9. If the remote-controller is disconnected, please bring the remote-controller close to the heater (less than 3 meters) and repair.
10. If the remote-controller is always disconnected at one location, move it somewhere else.

7 | Secondary remote control (optional)

Specification

- Battery-powered: 2x3V CR2032 button batteries
- Working environment range 1°C~ 50°C
- Radio frequency 433.92MHz

Description



Short press to control the LED light

1. The function of the secondary remote control is to turn ON/OFF the LED light surrounding the panel.
2. This secondary remote control can not adjust the brightness and color of the lights.
3. This secondary remote control requires no wiring, you can use double-sided tape to secure it in place and use it as a wall switch.

Pair the secondary remote control with the heating device

For first-time users, the secondary remote control needs to be paired with the heating device. Power on the device, press and hold the secondary remote control switch for 3 seconds to pair until first long beep sound. Once pairing is successful, short press the switch to control the LED light.

Notes:

- 1) Before pairing please do power off those panels which you don't want to pair.
- 2) Pairing should be finished within 5 minutes, or else you need to re-power on the heating device.
- 3) One heating device can be paired with a maximum of one main thermostat and

three secondary remote controls, all of which can control the LED light.

Unpair the secondary remote control with the heating device

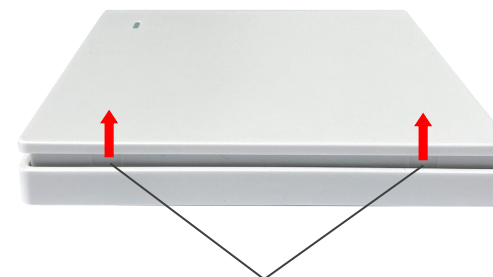
Within 5 minutes of powering on the device, press and hold the secondary remote control switch for 6 seconds until you hear the second "beep" sound, indicating that the pairing has been canceled. If more than 5 minutes have passed, pressing and holding the secondary remote control switch for 6 seconds will produce only one "beep" sound, also indicating that the pairing has been canceled.

Replace button battery

Gently press inward from the position shown in the figure below.

Forcefully pry open the casing upward.

Insert the button battery with the positive (+) symbol facing outward into the battery slot.



pry open the casing from this point

Notes

1. Put the secondary remote control at most 5 meters from the heating device.
2. If the secondary remote control is disconnected, please bring the remote control close to the heating device (less than 3 meters) and repair.
3. No need to re-pair after replacing the battery.
4. If the secondary remote control fails, please replace the battery and try again.

8 | TROUBLESHOOTING

Problem	Reason	Measure
It has noise when original charged with electricity	Due to the structure stress of the heat insulator.	It is a normal phenomenon. Don't worry about it.

The surface of the device was slightly raised.	Due to the thermal expansion of the surface material.	It is a normal phenomenon. Don't worry about it.
The surface of the heating device is slightly warm.	1. The voltage is low. 2. In a low-temperature environment.	1. Install a voltage regulator. 2. It is normal.

9 | MAINTENANCE & SERVICING

Activities required before starting maintenance



Warning of electrical voltage

- If the power cord comes without plug, disconnect the circuit before connecting it.
- Do not touch the mains plug or power cord connection with wet or damp hands.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Allow the device to cool down completely.



Warning of electrical voltage

Tasks which require the housing to be opened must only be carried out by authorized specialist companies.

Cleaning the device



Warning of electrical voltage

Never immerse the device in water!

Clean the device with a soft, damp and lint-free cloth.

Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Wipe the housing dry after cleaning.

10 | STORAGE

When the device is not being used, observe the following storage conditions:

- dry and protected from frost and heat
- in an upright position where it is protected from dust and direct sunlight
- with a cover to protect it from invasive dust, if necessary
- Place no further devices or objects on top of the device to prevent it from being damaged.

11 | TECHNICAL ANNEX

Information requirements for models with remote thermostat

Item	Unit
Type of heat output/room temperature control (select one)	
single stage heat output and no room temperature control	[no]
Two or more manual stages, no room temperature control	[no]
with mechanic thermostat room temperature control	[no]
with electronic room temperature control	[no]
electronic room temperature control plus day timer	[no]
electronic room temperature control plus week timer	[yes]
Other control options (multiple selections possible)	
room temperature control, with presence detection	[no]
room temperature control, with open window detection	[yes]
with distance control option	[no]
with adaptive start control	[no]
with working time limitation	[yes]
with black bulb sensor	[no]
self-learning functionality	[no]
control accuracy	[no]

Information requirements for models with wifi thermostat

Item	Unit
Type of heat output/room temperature control (select one)	
single stage heat output and no room temperature control	[no]
Two or more manual stages, no room temperature control	[no]
with mechanic thermostat room temperature control	[no]
with electronic room temperature control	[no]
electronic room temperature control plus day timer	[no]
electronic room temperature control plus week timer	[yes]
Other control options (multiple selections possible)	
room temperature control, with presence detection	[no]
room temperature control, with open window detection	[no]
with distance control option	[yes]
with adaptive start control	[no]
with working time limitation	[yes]
with black bulb sensor	[no]
self-learning functionality	[no]
control accuracy	[no]

12 | DISPOSAL



The icon with the crossed-out waste bin on waste electrical or electronic equipment stipulates that this equipment must not be disposed of with the household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.