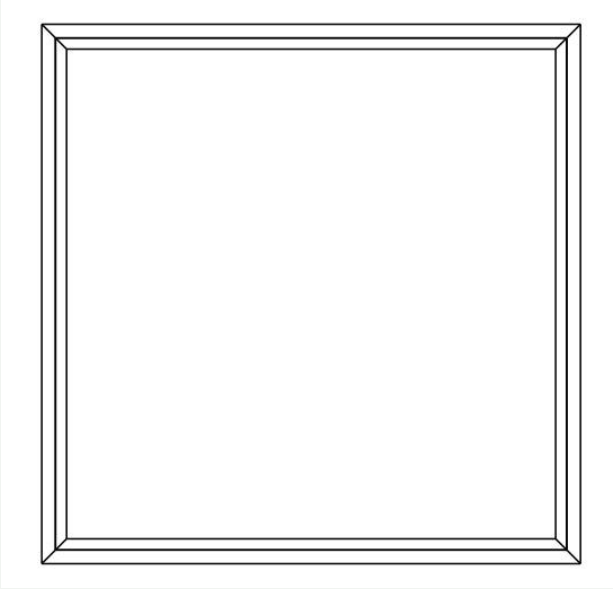
RADI8
INDUSTRIES

LED Infrared Ceiling Panels

Installation and Operating Manual



400W / 700W / 840W

Thermostat and Wi-Fi thermostat models

Ceiling-mounted heating with independent LED lighting

Infrared Heating Supplies

infraredheatingsupplies.com

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1 MODELS COVERED

This manual covers the following RADI8 infrared ceiling panels with integrated LED lighting. Check the product code and rated output on the label before installation.

Total rated input	Thermostat model	Wi-Fi thermostat model
400W	LHP6060HHL400	LHP6060HHL400-WIFI
700W	LHP10060HHL700	LHP10060HHL700-WIFI
840W	LHP12060HHL840	LHP12060HHL840-WIFI

Thermostat models: control section A

The supplied wireless remote thermostat measures room temperature and controls heating. It also provides independent LED lighting controls. Weekly heating programmes are set on the remote.

Wi-Fi thermostat models: control section B

The supplied wireless remote thermostat measures room temperature and controls heating. Smart Life provides additional app-based heating control. The remote provides independent LED lighting controls.

> **Heating and lighting**
> Use the control section that matches your product. Smart Life, Amazon Alexa and Google Home control heating only. They do not control the LED lighting.

SYMBOLS



Warning

Indicates a hazard which, if not avoided, could result in serious injury or death.



Risk of electric shock

Electrical voltage can cause serious injury or death.



Do not cover

Do not place clothing, towels or other objects over or directly in front of the heater. Covering can cause overheating and fire.



Hot surface

Parts of the heater become hot during use and can cause burns.



Do not spray

Do not spray water directly onto the heater.



Read the instructions

Read and follow this manual before installation or use.

2 WARNINGS AND PRECAUTIONS

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.

Minimum mounting height
These panels are for fixed ceiling mounting. Install the bottom of the panel at least 1.8 metres above floor level. Follow the installation instructions for the exact model.

Warning
Children aged eight and over, and people with reduced physical, sensory or mental capabilities, or a lack of experience and knowledge, may use this heater provided they are supervised or have been instructed in its safe use and understand the hazards involved.

Children must not play with the heater. Children must not carry out cleaning or user maintenance without supervision.

Anyone unable to perceive heat must not use the heater without appropriate supervision and protection from hot surfaces.

Warnings (continued)

Warning
Keep children under three away from the heater unless they are continuously supervised.

Children aged three to seven may only switch the heater on or off if it has been correctly installed in its normal operating position, and they are supervised or have been instructed in its safe use and understand the hazards involved.

Children aged three to seven must not plug in the heater, adjust its settings, clean it or carry out user maintenance.

Warning
Do not use this heater in a small room occupied by anyone who cannot leave the room independently, unless they are continuously supervised.

Hot surfaces and safe positioning

> **Warning**
> Parts of this heater can become very hot and cause burns. Take particular care when children or vulnerable people are present.
>
> Do not install the heater close to curtains or other combustible materials.

Extra care is needed around infants, children, older people, people with sensitive skin, and anyone whose ability to recognise or react to heat is reduced by illness, alcohol or sleeping medication.

Avoid prolonged direct exposure to the same part of the body. Where practical, maintain a distance of at least 1.5 metres from the heating surface.

Temperature sensors and controls

Do not position a thermostat or temperature sensor within the panel’s 130° radiation field. Direct exposure to heat from the panel can affect temperature readings. Keep the remote openly in the room, away from direct heat, with its temperature sensor uncovered.

Water and bathroom safety

The panel is rated IP20 and may be used only in suitable dry bathroom locations, away from splashes and sprays. Installation must comply with applicable electrical requirements. Do not use the heater close to baths, shower trays, swimming pools or other water containers. Do not expose it to direct water jets or operate it while it is wet. Position switches and controls so they cannot be reached by anyone using a bath or shower.

Safety instructions

• Remove the protective film from the front of the heater before switching it on for the first time.

• Connect the heater to a properly earthed 220-240V, 50Hz electricity supply. Follow the wiring markings and electrical connection instructions provided for your model.

• Ensure the electricity supply, wiring and protective devices are suitable for the heater’s rated power. Refer to the technical specifications and electrical installation instructions for your model.

• Do not use this heater in areas containing flammable or corrosive gases or vapours, or combustible dust.

• Ensure the heater is securely mounted to the ceiling in accordance with the installation instructions.

• After cleaning, allow the heater to dry completely before switching it on. Never operate the heater while it is wet.

• Do not touch the heater, plug or electrical connections with wet or damp hands.

• Do not spray water directly onto the heater.

• Never insert fingers or other body parts, or any objects, into openings in the heater.

• Never cover the heater. Switch it off and allow it to cool completely before moving it.

• Do not sit, stand or place any weight on the heater.

• Do not allow children or animals to play with the heater or its controls. Follow the supervision requirements set out in the warnings above.

• Before use, check the heater, accessories and connections for signs of damage. Do not use the heater if any part is damaged or defective.

• Protect the power cable and any external wiring from damage, including damage caused by animals. Do not use the heater if the cable, plug or electrical connection is damaged.

Safety instructions (continued)

• If the heater is supplied with a plug, ensure it is fully inserted into a suitable, securely fitted mains socket. For a hardwired installation, have a qualified electrician connect the heater through a switched fused connection unit (fused spur), with a fuse rating suitable for the heater and its supply cable.

• Do not connect the heater to an overloaded socket or electrical circuit.

• If using an extension lead, ensure it is suitable for the heater’s rated power and the required cable length. Fully unwind the lead before use and do not overload it.

• Before cleaning, maintenance or repairs, switch off the heater, disconnect it from the electricity supply and allow it to cool completely. For plug-in installations, grip the plug when unplugging; never pull the cable. For hardwired installations, isolate the electricity supply before work begins.

• If the heater will not be used for an extended period, switch it off and disconnect it from the electricity supply.

• Do not use the heater if its plug or power cable is damaged. A damaged power cable must be replaced by an authorised service agent or a suitably qualified person. Do not attempt to repair or replace it yourself.

• Maintain the minimum clearances from walls and surrounding objects shown in the installation instructions. Follow the storage and operating conditions specified in this manual.

• Never drill into the heater.

• Do not leave the heater operating unattended. Do not place or operate it on combustible ground. Keep it securely mounted in its intended operating position.

• Do not touch the heating surface during operation. Allow the heater to cool completely before moving, removing or transporting it.

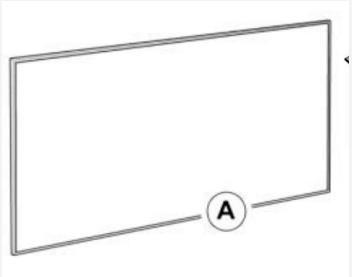
3 TECHNICAL INFORMATION

Specification	Details
Heating element	Carbon
Heating method	Far infrared radiant heating
Supply voltage / frequency	220-240V / 50Hz
Heating surface temperature	Mainly 130-150°C
Front surface	Infrared ceramic coating, applied directly to heating film
Frame	Aluminium
IP rating	IP20; suitable dry bathroom locations only
Power cable length	Up to 1.9m
Installation	Fixed ceiling mounting
Minimum mounting height	1.8m from floor to bottom of panel
Heating control	Included remote thermostat; Smart Life additionally on Wi-Fi models
Lighting control	Independent controls on the supplied remote
Warranty	10 years

Total input	Heating	LED	Panel dimensions	Net weight
400W	370W	30W	655 × 630 × 35mm	4.5kg
700W	660W	40W	1080 × 630 × 35mm	6.8kg
840W	800W	40W	1280 × 630 × 35mm	7.7kg

Dimensions and net weights apply to both control versions. Heating input is the total rating less LED power. Use the supplied drilling template for fixing positions; do not use overall panel dimensions as drilling measurements.

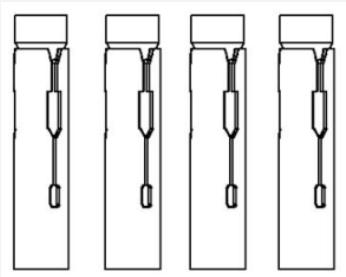
4 SUPPLIED PARTS: A-F



A Heating panel
1



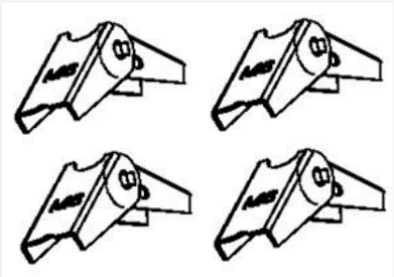
B Hanging units
2



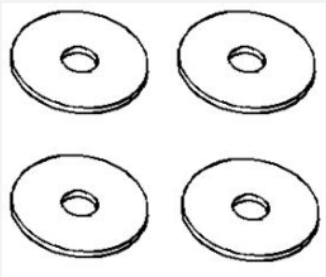
C Metal expansion tubes
4



D Screws
4



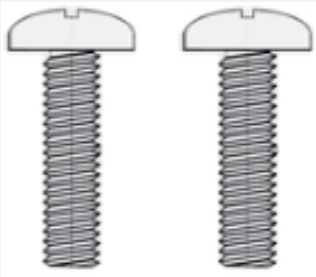
E Spring toggles
4



F Washers
4

Check all parts before installation. Do not use damaged or incomplete fittings.

SUPPLIED PARTS: G-K



G Securing screws
2



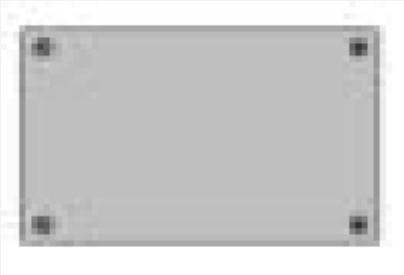
H Main remote thermostat
1, matching your control version



I Instruction manual
1



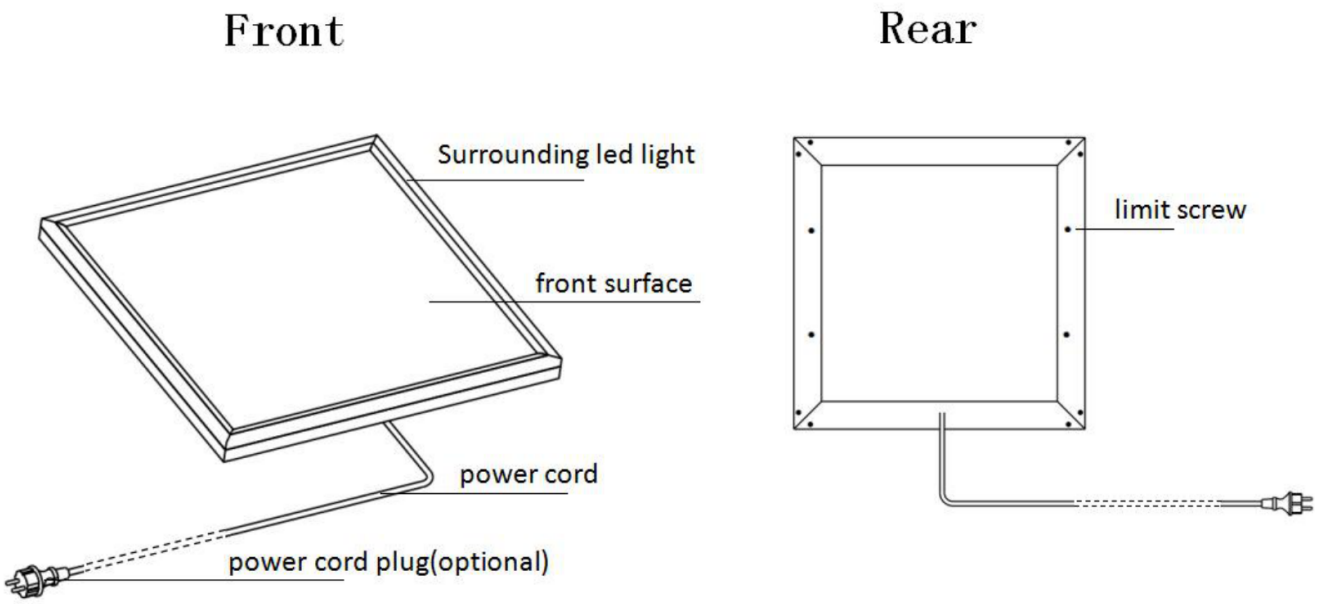
J Optional light-switch remote
Available separately; matching version required



K Drilling template
1

The main remote uses 4 × AAA batteries, not included. The optional light-switch remote is a separate accessory, not a replacement for the room-temperature thermostat.

5 DEVICE STRUCTURE



View	Component
Front	Surrounding LED light; heating surface
Rear	Aluminium frame and limit screws
Connection	Power cable

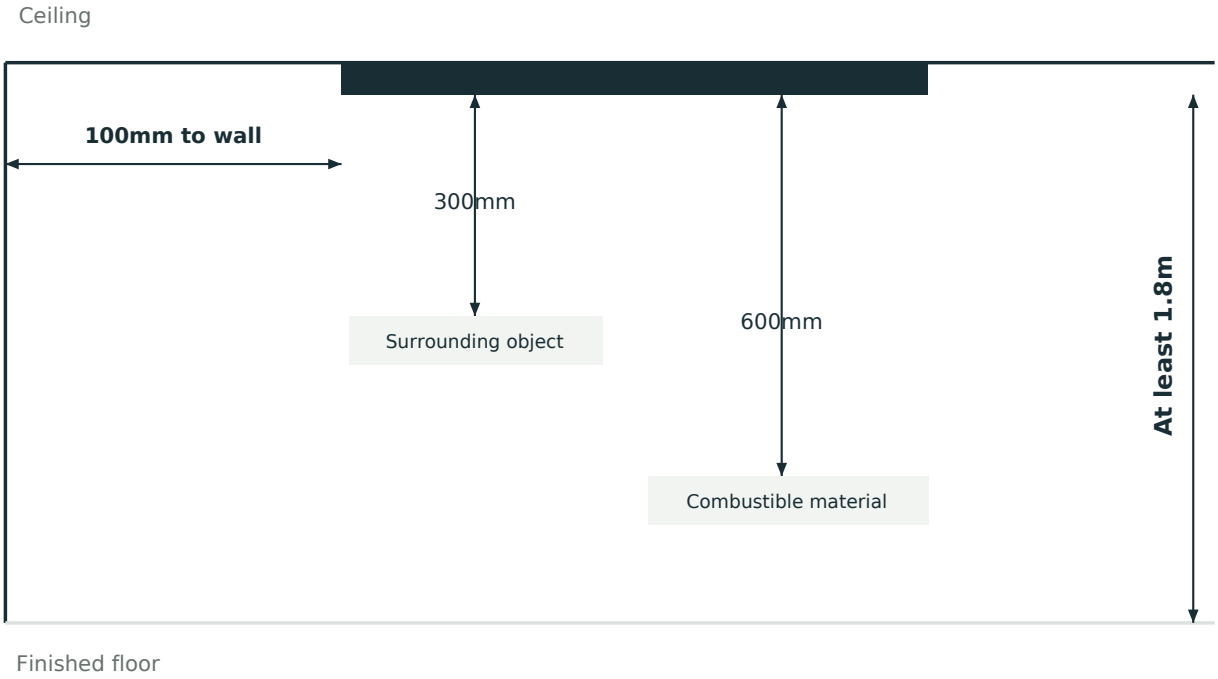
Before installation

- Mounting and electrical work must be carried out by a qualified electrician.
- Never suspend the panel by its power cable. Do not use adhesive to hang or support it.
- The ceiling and fixings must securely support the panel.
- Remove the protective film before first use. The heater must be earthed.

6 POSITIONING AND MOUNTING HEIGHT

Install the panel on a suitable flat ceiling, using the mounting method appropriate to the ceiling construction. Determine the ceiling material before drilling and select suitable fixings.

The following minimum clearances apply to all three sizes and both control versions. Where more than one requirement applies, use the greater distance.



Minimum distances
At least 1.8m from finished floor to the bottom of the panel; 100mm from walls; 300mm from surrounding objects; 600mm from combustible materials. The 600mm requirement takes priority wherever a nearby wall or object is combustible.

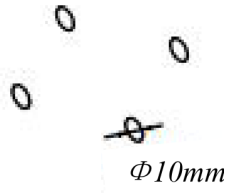
The diagram is schematic and not to scale. Mount the panel flush against the suitable ceiling using the supplied mounting arrangement. Do not obstruct the heating surface or LED light.

Avoid prolonged direct exposure to the same part of the body. Where practical, maintain a distance of at least 1.5 metres from the heating surface. This is an exposure recommendation, separate from the minimum mounting height.

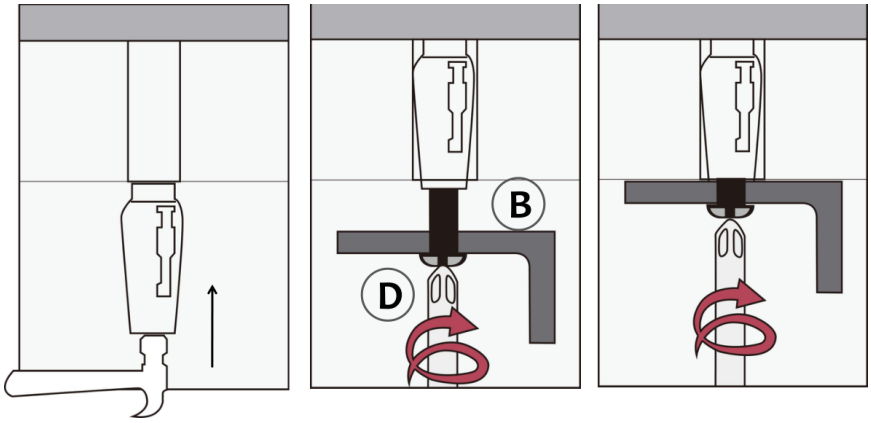
7 CONCRETE CEILING INSTALLATION

1. Secure the drilling template (K) to the ceiling and mark the fixing positions.

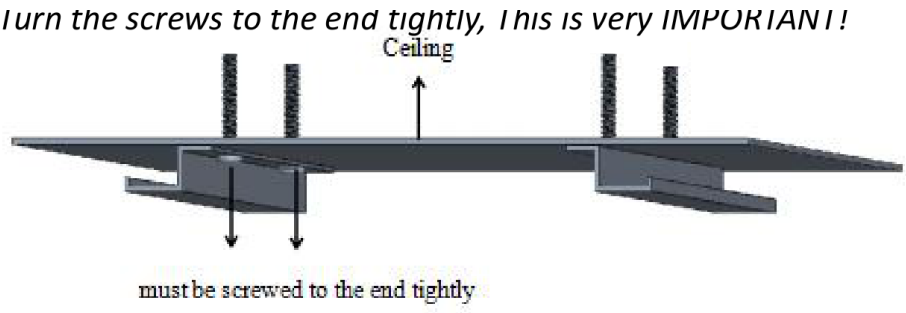
2. Drill four 10mm holes at the marked positions. Do not enlarge the specified hole diameter.



3. Insert the metal expansion tubes (C) into the drilled holes, with the expanding nut inside the hole. Do not insert them in reverse.



4. Pass the screws (D) through the holes in the hanging units (B), then tighten them into the expansion tubes. Fully tighten all screws.



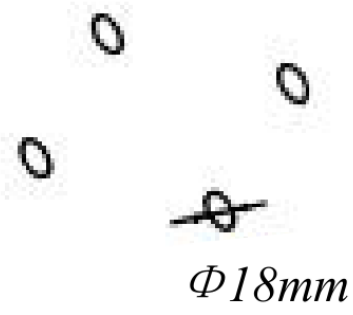
PLASTERBOARD AND TIMBER CEILINGS

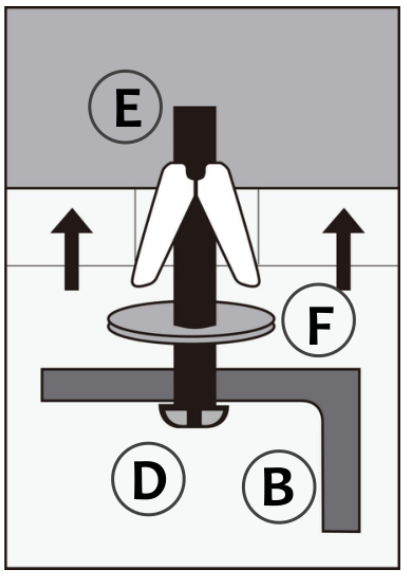
1. Secure the drilling template (K) to the ceiling and mark the fixing positions.

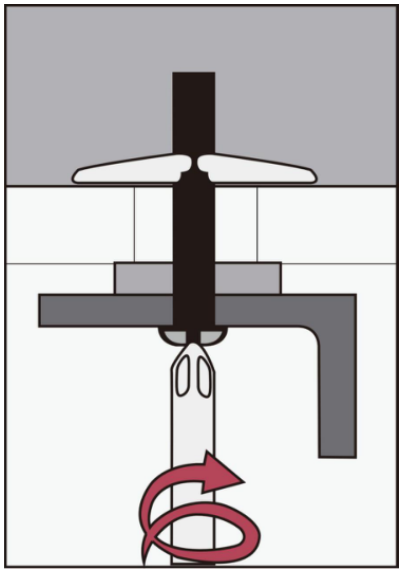
> **Ceiling thickness**
> The spring toggles (E) are intended for plasterboard or timber ceilings 9-18mm thick. Do not use them on plasterboard less than 9mm thick. For timber thicker than 18mm, the installer must select suitable fixings for the actual construction.

2. Drill four 18mm holes at the marked positions. Do not enlarge the specified hole diameter.

3. Pass the screws (D) through the hanging units (B), washers (F) and spring toggles (E). Insert the toggles into the pre-drilled holes.



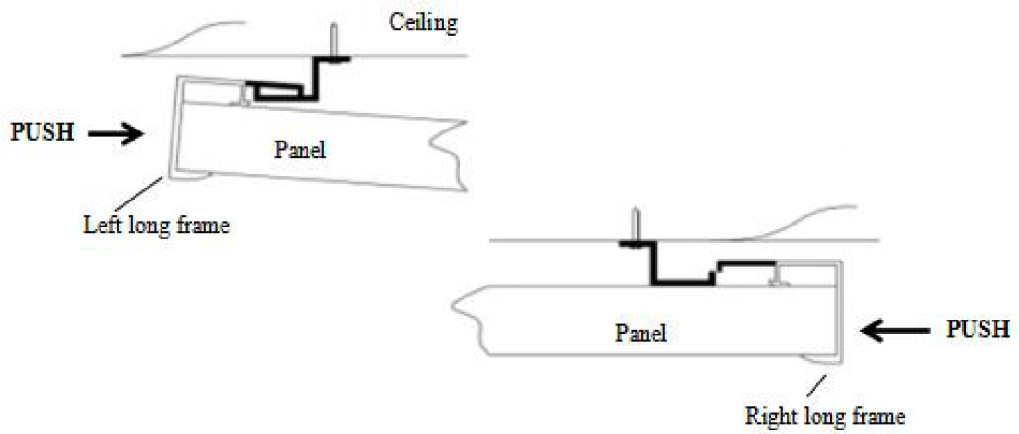




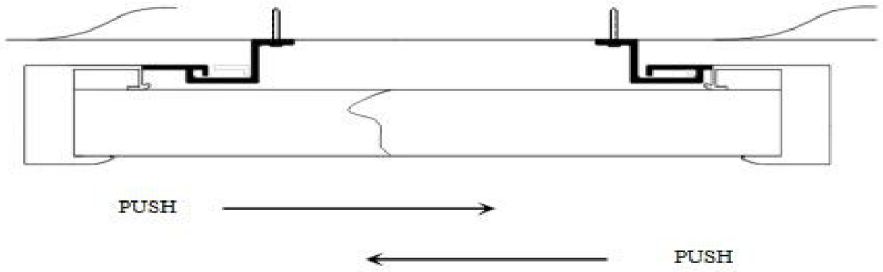
4. Tighten the screws securely. Ensure the hanging units are firmly fixed before fitting the panel.

FITTING THE PANEL

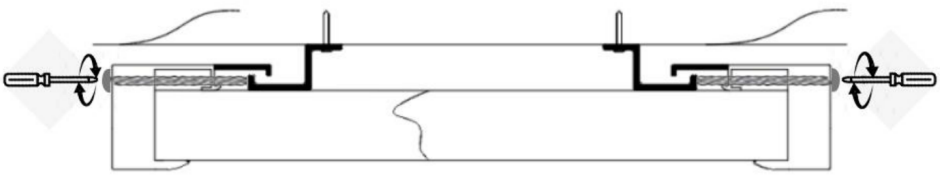
1. Push the rear of the left long frame into one hook, then push the rear of the right long frame into the other hook. Engage the long sides only, not the short sides. The hooks must sit between the limit screws.



2. Slide the panel left and right to check that both hooks are fully engaged in the rear of the two long frames. This check is essential to prevent the panel falling.



3. Insert the securing screws (G) into the holes on both sides of the panel and tighten them.



8 CONNECTION AND LIGHTING

Electrical connection

All six models are supplied without plugs. The panel must be professionally hardwired by a qualified electrician to a suitable, properly earthed 220-240V, 50Hz supply. The electrician must select suitable wiring, isolation and circuit protection for the installation and the heater’s rated input.

Isolate the electricity supply before connection. Protect the cable from damage and hot surfaces. Do not energise the panel until it is securely mounted, all securing screws are tightened and the protective film has been removed.

Independent LED lighting

Use the lighting ON/OFF button on the supplied main remote to switch the LED light independently of heating. Press the lighting + or - button briefly to select 100%, 75%, 50% or 25% brightness. Hold a brightness button to adjust continuously between 100% and 5%.

All six models have three light colours. Hold the lighting ON/OFF button to change between warm white (3000K), neutral white (4000K) and cool white (6000K). The lighting controls are separate from the heating ON/OFF and temperature controls.

Model	Warm 3000K	Neutral 4000K	Cool 6000K
400W	2026lm	3887lm	1979lm
700W	2537lm	4776lm	2465lm
840W	2766lm	5189lm	2721lm

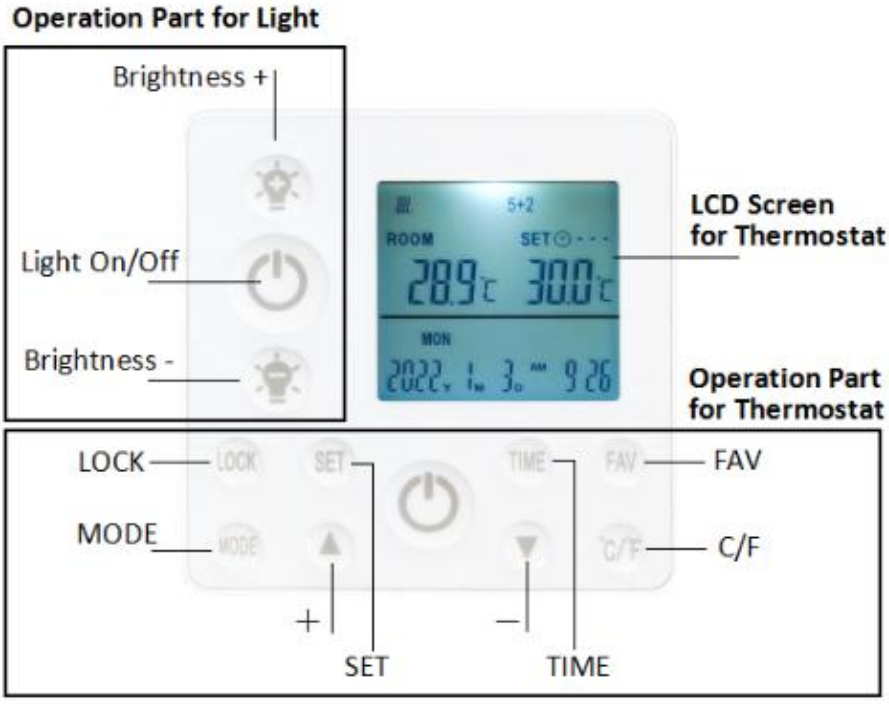
Optional light-switch remotes

Separate wireless light-switch remotes are available for convenient LED control. Choose LHP-LIGHTREMOTE for thermostat models or LHP-LIGHTREMOTE-WIFI for Wi-Fi thermostat models. Follow the pairing instructions supplied with the matching accessory.

> **App and voice control**
> Smart Life and compatible Alexa / Google Home commands control heating only. Use the main remote or matching optional light-switch remote for lighting.

9 A: REMOTE THERMOSTAT

For models without Wi-Fi. Use the main remote shown below. The sensor at the top measures room temperature and sends heating commands to the receiver in the panel.



Specification	Details
Power supply	4 × 1.5V AAA batteries, not included
Target temperature / steps	0-45°C / 1°C
Room-temperature display / resolution	0-50°C / 0.1°C
Measurement accuracy	±0.5°C
Remote operating temperature	1-50°C
Radio frequency	433.92MHz

Earlier controls may have a 5-35°C setting range. Use the range available on the controls supplied with your heater.

PAIRING AND BASIC CONTROLS

Pairing the main remote

1. Switch off panels that you do not want to pair. Switch on the supply to the target panel and press the remote’s heating ON/OFF button.

2. Press °C/°F and MODE together until a long beep confirms pairing. Complete pairing within one minute of switching on the panel.

If the one-minute window expires, switch the panel supply off and on, then repeat. Restart the panel supply before pairing a different remote. One remote can be paired with several panels.

Set the date and time

1. Hold TIME for three seconds until the year flashes.

2. Use the up and down buttons to set the year. Press TIME briefly to save and continue through month, day, hour and minute.

3. Press TIME again to save and exit. Accurate date and time are essential for scheduled heating.

Heating ON/OFF and temperature

Press the heating ON/OFF button to switch heating control on or off. When off, the screen shows the current room temperature only. When on, use the up and down buttons to change the target temperature. The initial manual-mode target is 19°C.

The remote sends an OFF command when room temperature is 0.5°C above the target, and an ON command when it is 0.5°C below the target. The heating symbol indicates a demand for heat.

REMOTE FUNCTIONS AND MODES

Keypad lock

Hold LOCK for three seconds until the lock symbol appears. Hold LOCK for three seconds again to unlock. The lock helps prevent accidental changes and misuse by children.

Celsius / Fahrenheit

Press °C/°F briefly to switch the temperature display between Celsius and Fahrenheit.

Favourite temperature

1. Hold FAV for three seconds until the target temperature flashes. The default favourite temperature is 24°C.

2. Use the up and down buttons to select your favourite temperature, then press FAV briefly to confirm.

During normal use, press FAV briefly to select the saved favourite temperature. Press it again to return to the previous target.

Manual, 5+2 and 1…7 modes

The remote starts in manual mode. Hold MODE to move to 5+2 mode, hold it again for 1…7 mode, and hold it again to return to manual mode. Repeat to cycle through the modes.

5+2 mode provides four time periods for weekdays and four for weekends. 1…7 mode provides two time periods for each individual day.

> **Before programming**
> Select 5+2 or 1…7 before programming. Hold SET to enter programme settings; hold SET again to exit. SET does not open programme settings in manual mode. If no button is pressed for eight seconds, the remote returns to its main screen.

5+2 WEEKLY PROGRAMMING

Use this mode for one weekday schedule and one weekend schedule, each with up to four heating periods.

1. Select 5+2 mode. Hold SET for 3-5 seconds until period 1 and MON TUE WED THU FRI appear, with ON and the time flashing.

2. Set the start time: each press of the up button adds one hour; each press of the down button adds five minutes.

3. Press SET once. When OFF flashes, set the end time using the same hour and minute buttons.

4. Press SET again. When the target temperature flashes, use the up and down buttons to set it. Press FAV briefly if you want to use your saved favourite temperature.

5. Press SET to move to weekday period 2. Repeat the start time, end time and temperature settings for periods 2, 3 and 4.

6. After weekday period 4, press SET to move to SAT and SUN. Repeat the same steps for weekend periods 1, 2, 3 and 4.

> **Programme timing**
> Programmes can run across midnight. Avoid overlapping periods and check both ON and OFF times for every period. Programme timing depends on the remote clock being correct.

The current controls allow a 0-45°C target. Earlier controls may be limited to 5-35°C. Use the range available on your supplied remote.

DAILY PROGRAMMING AND 5+2 DEFAULTS

1…7 mode: two periods for each day

1. Select 1…7 mode. Hold SET for 3-5 seconds until period 1 and MON appear, with ON and the time flashing.

2. Use up for hours and down for five-minute steps to set the ON time. Press SET and enter the OFF time in the same way.

3. Press SET to set the target temperature with the up and down buttons. Press FAV briefly to use the favourite temperature if required.

4. Use SET to continue to period 2, then repeat both periods for Tuesday through Sunday in sequence. Hold SET to exit.

Default 5+2 programme

Days	Period	ON	OFF	Target
Mon-Fri	1	00:00	06:30	17°C
Mon-Fri	2	06:30	08:45	19°C
Mon-Fri	3	08:45	17:00	17°C
Mon-Fri	4	17:00	22:30	19°C
Sat-Sun	1	00:00	08:00	17°C
Sat-Sun	2	08:00	14:00	19°C
Sat-Sun	3	14:00	17:30	17°C
Sat-Sun	4	17:30	23:15	19°C

DEFAULT 1…7 PROGRAMME

Day	Period	ON	OFF	Target
Monday	1	06:30	17:00	17°C
Monday	2	17:00	22:30	19°C
Tuesday	1	06:30	17:00	17°C
Tuesday	2	17:00	22:30	19°C
Wednesday	1	06:30	17:00	17°C
Wednesday	2	17:00	22:30	19°C
Thursday	1	06:30	17:00	17°C
Thursday	2	17:00	22:30	19°C
Friday	1	06:30	17:00	17°C
Friday	2	17:00	22:30	19°C
Saturday	1	08:00	14:00	19°C
Saturday	2	17:30	23:15	19°C
Sunday	1	08:00	14:00	19°C
Sunday	2	17:30	23:15	19°C

These are the initial programme settings. Review and change them to suit your routine. The 5+2 and 1…7 schedules are separate operating modes.

PROGRAMME NOTES AND REMOTE CARE

Programme priority and open-window detection

• Manual ON/OFF or temperature changes during a weekly programme affect the current period only. Stored settings resume at the next programme entry.

• Avoid overlapping periods. If periods overlap, the earlier start switches heating on first and the earlier end switches it off until the next period switches on.

• After programming, the schedule remains active even if heating is turned off on the remote. The panel can switch on or off at programmed times. Select manual mode when you do not want scheduled heating.

• In thermostat-only models, a sudden drop in room temperature triggers open-window detection and switches heating off.

Batteries and temperature sensing

• After battery replacement, reset the date and time. Stored programmes are retained.

• Use alkaline batteries. If all buttons stop responding, try replacing the batteries. Replace them promptly when the battery symbol flashes; depleted batteries can stop control working.

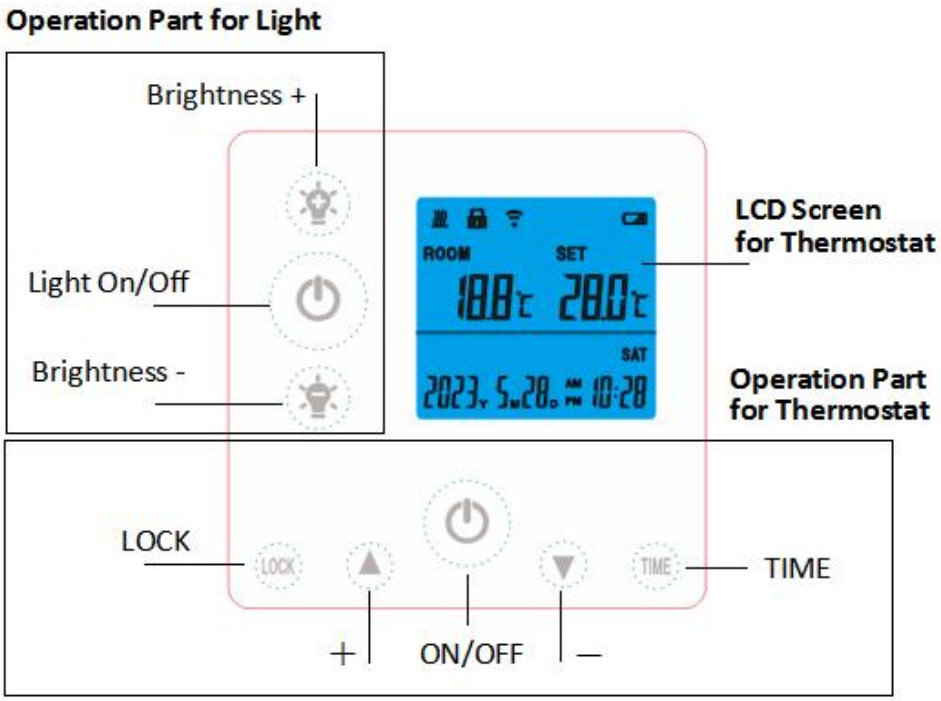
• If heating will not turn on, check that the target is sufficiently above the measured room temperature.

• Keep the sensor at the top uncovered and do not touch it. Place the remote openly in the room, not in a drawer, pocket or beneath a pillow or quilt.

• Remove the batteries during long periods without use. The remote continues working while batteries are fitted, even when heating is off. Heating OFF does not isolate the mains supply.

10 B: WI-FI REMOTE THERMOSTAT

For Wi-Fi models. This remote measures room temperature and sends heating commands to the panel. Lighting has separate buttons; app control is for heating only.



Specification	Details
Power supply	4 × 1.5V AAA batteries, not included
Target temperature / steps	0-45°C / 1°C
Room-temperature display / resolution	0-50°C / 0.1°C
Measurement accuracy	±0.5°C
Remote operating temperature	1-50°C
Radio frequency	433.92MHz

Earlier controls may have a 5-35°C setting range. Use the range available on the controls supplied with your heater.

PAIRING AND REMOTE OPERATION

Pairing the remote with the panel

1. Switch off panels that you do not want to pair. Switch on the supply to the target panel and press the remote’s heating ON/OFF button.

2. Hold LOCK and TIME together for three seconds until a long beep confirms pairing. Complete pairing within one minute of switching on the panel.

If the pairing window expires, restart the panel supply and repeat. Restart the supply before pairing another remote. One remote can control several paired panels.

Heating and temperature

Press heating ON/OFF to switch heating control on or off. Use the up and down buttons to select the target temperature. The remote sends an OFF command when room temperature is 0.5°C above target and an ON command when it is 0.5°C below target. The heating symbol appears when room temperature is at least 0.5°C below target.

Lock, display units and time

Hold LOCK for three seconds to lock or unlock the buttons. Press the lighting + and - buttons together to switch the display between °C and °F.

Hold TIME for three seconds to set the year. Use up and down to change the value and press TIME to continue through month, day, hour and minute. Press TIME again to save and exit.

When the remote is on, pressing any button illuminates the backlight. Heating OFF does not isolate the mains supply.

LIGHTING AND REMOTE CARE

LED lighting

Press the separate lighting ON/OFF button to switch the surrounding LED light on or off. On models with selectable light colours, hold this button to change colour.

Press lighting + or - briefly to select 100%, 75%, 50% or 25% brightness. Hold a brightness button to adjust continuously between 100% and 5%.

Remote notes

• Reset all settings after replacing the batteries. Use alkaline batteries. If all buttons stop working, try replacing the batteries.

• Replace batteries promptly when the battery symbol flashes; depleted batteries may cause the remote to halt or stop responding.

• If heating will not turn on, check that the target temperature is sufficiently above room temperature.

• Keep the temperature sensor at the top uncovered and do not touch it. Place the remote openly in the room, not in a drawer, pocket or beneath a pillow or quilt.

• Remove batteries for long periods without use. The remote remains active until batteries are removed or depleted, even when heating is off. The LCD is intended to operate at 1-50°C.

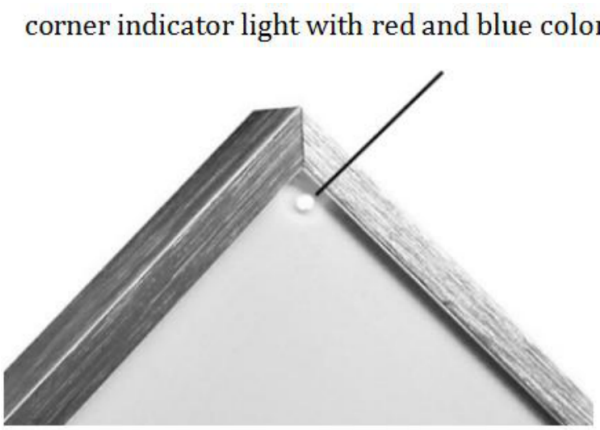
Weekly programming
Use Smart Life for Wi-Fi heating schedules. These app instructions apply only to the Wi-Fi versions.

11 CONNECTING TO SMART LIFE

1. Connect your phone to a 2.4GHz Wi-Fi network before pairing. The heater does not support a 5GHz-only network.

2. Install Smart Life and register an account. The QR code and app icon below identify the app.

3. Switch on the heater supply. It beeps on startup. On the paired remote, hold LOCK and the heating ON/OFF button together for six seconds until the blue indicator at the panel’s front corner flashes.

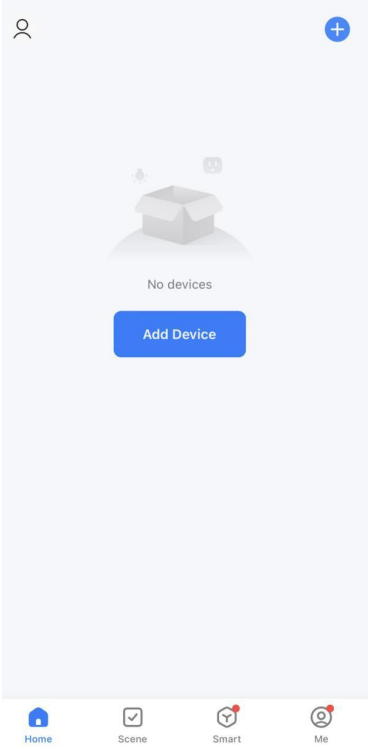


Repeat the setup operation when the Wi-Fi network, password or mobile phone changes. Blue indicates an online connection; red indicates active heating.

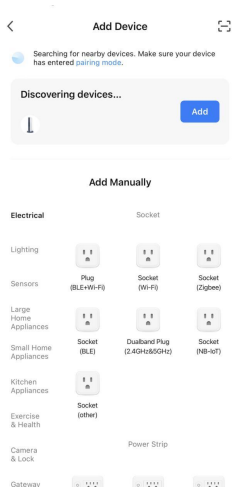
> **Button combinations**
> Pairing the remote and connecting Wi-Fi are different operations. LOCK + TIME pairs the main remote; LOCK + heating ON/OFF starts Wi-Fi setup.

ADDING THE HEATER IN THE APP

4. Open Smart Life. Select the room, then choose Add Device or the + icon in the upper-right corner. A nearby-device pop-up appears when the heater is discovered.

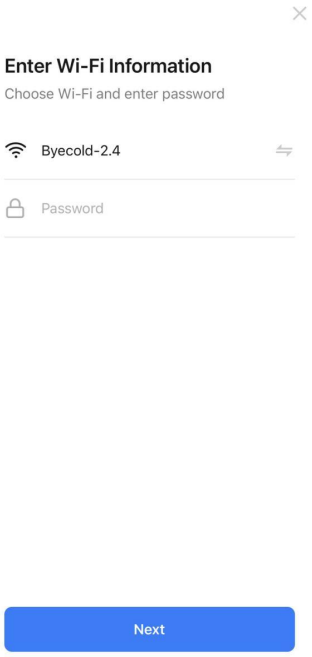


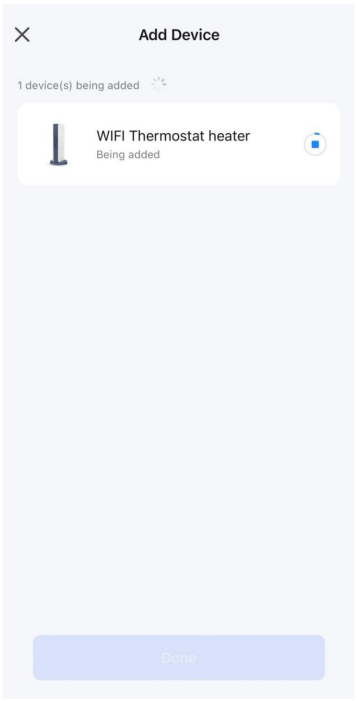
5. Choose Add to open the Wi-Fi information screen. Keep the heater in pairing mode while completing the next step.



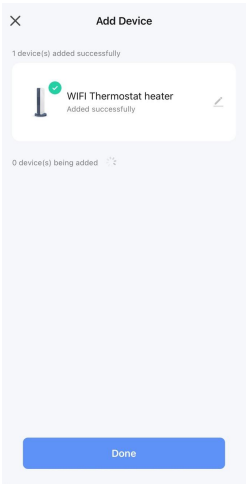
ENTERING WI-FI DETAILS

6. Enter the Wi-Fi password and confirm. The app proceeds to connection. Allow approximately 20-30 seconds for the heater to be added.



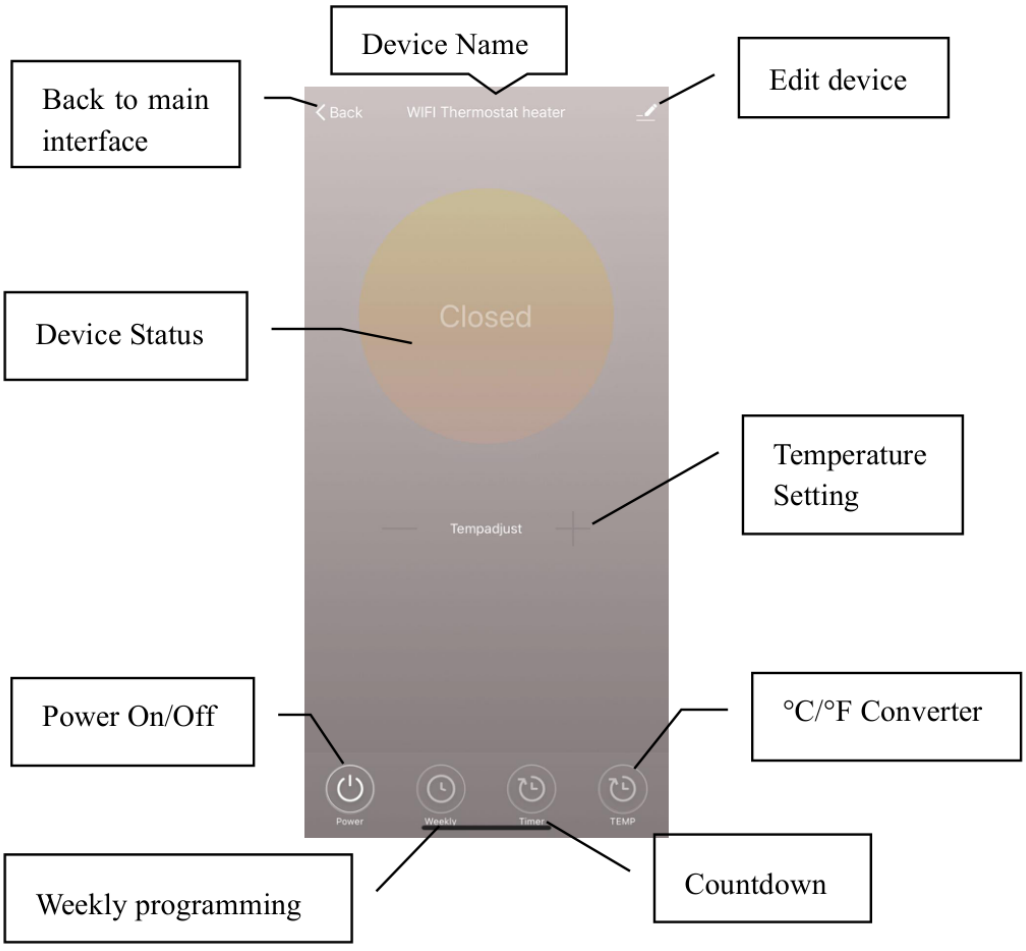


When connection succeeds, the panel's blue indicator lights. Give the device a recognisable name, such as "WiFi Thermostat Heater", and complete the setup.



If the connection times out, repeat the Wi-Fi pairing and app setup steps, starting with step 3 on page 29. The blue light may take a few seconds to appear while the network connection completes.

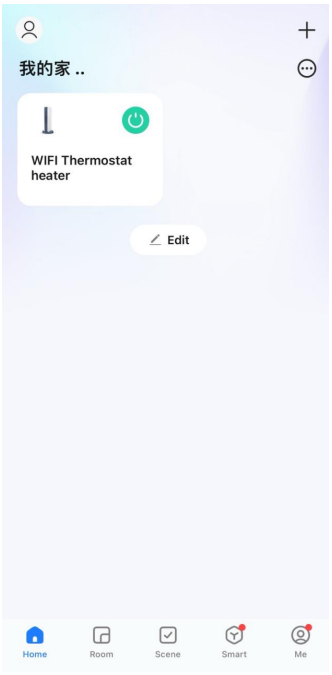
SMART LIFE HEATING SCREEN



Screen item	Function
Device name / edit	Identify the heater and open device settings
Device status / temperature	View status and adjust the heating target
Power	Switch heating on or off
Weekly	Set heating schedules
Countdown	Set a timed heating switch-off
°C / °F	Change temperature display units

App screens are shown for reference. The LED lighting is controlled separately by the remotes, not by this app screen.

HEATING AND WEEKLY SCHEDULES





Heating ON/OFF and target temperature

On the main app view, tap the green power control to switch heating on or off. Tap the device name to open its heating screen. Use the temperature control to set the target.

With app heating on, the heater heats when the target is more than 0.5°C above room temperature. It does not heat when the target is no more than 0.5°C above room temperature.

Weekly programming

Open Weekly to set heating operation and target temperatures throughout the week. Add ON and OFF entries separately. After programming, enable the weekly switch so it turns green.

> **Weekly schedule remains active**
> Weekly schedules remain active even when app heating is switched off. They can switch heating on again at the programmed times. Disable the weekly schedule when you do not want scheduled operation.

COUNTDOWN AND DEVICE SETTINGS

Countdown and display units

Use Countdown to set a timed heating switch-off. Switching heating off in the app cancels the countdown. Use °C/°F to change temperature display units.

Weekly, Countdown and temperature settings can be edited only while app heating is on.

Edit device

1. Device name: change the heater’s displayed name.

2. Device information: view the virtual ID and other device information.

3. Share device: share control with another mobile number or email address registered with Smart Life.

4. Create group: group compatible thermostats for joint control.

5. FAQ & Feedback: view app help or report app issues to the app provider.

6. Add to home screen: add a shortcut for convenient access.

7. Check device network: check the Wi-Fi connection status.

8. Check update: check for the latest firmware version.

9. Remove device: remove the heater from your app account.

Alexa and Google Home

After linking your Smart Life account, compatible Alexa and Google Home commands control heating only. They do not control LED lighting. Follow the separate RADI8 Alexa and Google Home connection guide.

NETWORK AND SENSOR CONNECTIONS

1. The heater supports a 2.4GHz Wi-Fi network only.

2. The blue indicator means the heater is online. The red indicator means it is heating.

3. Loss of Wi-Fi or the network makes the heater offline and switches heating off. The remote can still control heating. App settings resume automatically when Wi-Fi reconnects.

4. After initial setup, allow a few seconds for network searching and connection before expecting the blue indicator.

5. The panel is IP20. Use only in dry locations, including suitable dry bathroom areas, away from splashes, sprays and running water. Bathroom installation must meet applicable electrical requirements.

6. Disconnect the heater supply during long periods without use.

7. Both the main remote and app can switch heating on or off and set temperature. Remote changes can update the app; app changes do not update the remote display.

8. If the remote and built-in receiver lose contact, the app displays the last received room temperature and the heater continues using that reading. After one hour without temperature data, the app shows “--.-” and sends a disconnection warning to the phone. When contact returns, normal temperature control resumes automatically and the app displays real-time room temperature again.

9. If the remote becomes disconnected, bring it within three metres of the panel and pair it again using the remote-pairing procedure on page 27.

10. If the remote repeatedly disconnects in one position, move it to another suitable open location.

12 TROUBLESHOOTING

Issue	Checks and action
Noise when first switched on	Slight clicks can result from expansion of internal materials as the heater warms. If noise is loud, persistent or accompanied by damage, isolate the supply and have the heater checked.
Slight surface movement	Small changes can occur as the surface material expands with heat. If the surface becomes markedly distorted, damaged or does not return when cool, isolate the supply and have it checked.
Panel seems only slightly warm	Check the supply, heating ON/OFF setting and target temperature. A cold space takes time to warm. If the supply or heater appears faulty, have a qualified electrician investigate.
Heating will not start	Check target temperature against the room reading, remote batteries, pairing and active programmes. On Wi-Fi models, check network status and app settings.
Remote does not respond	Replace depleted batteries and check keypad lock. Follow the correct pairing procedure for your version.
Power cable or connection damaged	Stop use and isolate the supply. Have the cable or connection repaired or replaced by a suitably qualified person before further use.

Electrical safety
Do not open the heater or attempt internal repairs. Work requiring the housing to be opened must be carried out by an authorised specialist.

CLEANING AND MAINTENANCE

Before starting
Switch off the heater, disconnect it from the electricity supply and allow it to cool completely before cleaning, maintenance or repairs. For a hardwired installation, isolate the supply before work begins.

Do not touch the plug or electrical connection with wet or damp hands. Where a plug is fitted, grip the plug when disconnecting; do not pull the cable.

Cleaning the heater

Never immerse the heater in water. Clean it with a soft, damp, lint-free cloth. Ensure no moisture enters the housing and protect all electrical components from moisture.

Do not use aggressive cleaning agents, cleaning sprays, solvents, alcohol-based products or abrasive cleaners. Wipe the housing dry after cleaning and allow it to dry completely before reconnecting the supply.

Servicing

Do not remove the housing or drill into the panel. Internal work must be carried out by an authorised specialist. A damaged power cable must be replaced by an authorised service agent or a suitably qualified person.

STORAGE

When the heater is not being used, switch it off, disconnect the supply and allow it to cool. If removing it from the ceiling, have a competent person support and remove it safely.

- Store in a dry location, protected from frost and excessive heat.
- Keep the panel upright, protected from dust and direct sunlight.
- If needed, use a protective cover to keep dust off, but only after the heater is completely cool.
- Do not place any other devices or objects on top of the panel.
- Remove batteries from the remote during long periods without use.

Returning to use

Before refitting or reconnecting, check the heater, cable, accessories and fixings for damage. Reinstall securely in accordance with this manual. Restore the date, time and settings required for your remote version after replacing batteries.

13 TECHNICAL ANNEX: REMOTE THERMOSTAT

Information requirements for the remote thermostat models covered by this manual. Heat-output figures below exclude LED lighting; the model wattage identifies combined rated input.

Model	Pnom (kW)	Pmin (kW)	Pmax,c (kW)
LHP6060HHL400	0.37	0.37	0.37
LHP10060HHL700	0.66	0.66	0.66
LHP12060HHL840	0.8	0.8	0.8

Power consumption / efficiency	Symbol	Value	Unit
Off mode	Po	0.00	W
Standby mode	Psm	0.33	W
Idle mode	Pidle	0.33	W
Network standby	Pnsm	0.00	W
Seasonal space-heating energy efficiency in active mode	ηs,on	94	%

Standby mode with information or status display: No.

Pnom: nominal heat output. Pmin: minimum heat output (indicative). Pmax,c: maximum continuous heat output.

REMOTE THERMOSTAT: CONTROL FUNCTIONS

Type of heat output / room-temperature control

Function	Available
Single-stage heat output without room-temperature control	No
Two or more manual stages without room-temperature control	No
Mechanical thermostat room-temperature control	No
Electronic room-temperature control	No
Electronic room-temperature control with day timer	No
Electronic room-temperature control with week timer	Yes

Other control options

Function	Available
Room-temperature control with presence detection	No
Room-temperature control with open-window detection	Yes
Distance control option	Yes
Adaptive start control	No
Working-time limitation	Yes
Black bulb sensor	No
Self-learning functionality	No
Control accuracy	No

TECHNICAL ANNEX: WI-FI THERMOSTAT

Information requirements for the wi-fi thermostat models covered by this manual. Heat-output figures below exclude LED lighting; the model wattage identifies combined rated input.

Model	Pnom (kW)	Pmin (kW)	Pmax,c (kW)
LHP6060HHL400-WIFI	0.37	0.37	0.37
LHP10060HHL700-WIFI	0.66	0.66	0.66
LHP12060HHL840-WIFI	0.8	0.8	0.8

Power consumption / efficiency	Symbol	Value	Unit
Off mode	Po	0.00	W
Standby mode	Psm	0.28	W
Idle mode	Pidle	0.28	W
Network standby	Pnsm	0.66	W
Seasonal space-heating energy efficiency in active mode	ηs,on	92	%

Standby mode with information or status display: No.

Pnom: nominal heat output. Pmin: minimum heat output (indicative). Pmax,c: maximum continuous heat output.

WI-FI THERMOSTAT: CONTROL FUNCTIONS

Type of heat output / room-temperature control

Function	Available
Single-stage heat output without room-temperature control	No
Two or more manual stages without room-temperature control	No
Mechanical thermostat room-temperature control	No
Electronic room-temperature control	No
Electronic room-temperature control with day timer	No
Electronic room-temperature control with week timer	Yes

Other control options

Function	Available
Room-temperature control with presence detection	No
Room-temperature control with open-window detection	No
Distance control option	Yes
Adaptive start control	No
Working-time limitation	Yes
Black bulb sensor	No
Self-learning functionality	No
Control accuracy	No

14 DISPOSAL AND WARRANTY

Electrical equipment and batteries

Do not dispose of the heater, remote or batteries with ordinary household waste. Take electrical equipment to an appropriate collection or recycling point. Dispose of used batteries separately through a battery collection scheme.

Follow local waste and recycling arrangements. Remove batteries from the remote before disposal and keep batteries away from children.

10-year RADI8 warranty

The RADI8 LED infrared ceiling panels covered by this manual are backed by a 10-year RADI8 warranty. Keep your proof of purchase and product details. Warranty cover is subject to the applicable RADI8 warranty terms.

For warranty assistance or replacement controls, contact Infrared Heating Supplies using the details on the following page. Have your product code and order details available.

Here to help

For product support, replacement controls and documentation, contact Infrared Heating Supplies.

Infrared Heating Supplies

Unit G10A, Hartford House
Weston Street
Bolton
BL3 2AW

01204 520544

infraredheatingsupplies.com

info@infraredheatingsupplies.com

Please have your product code, order details and a photograph of the label or remote control available when contacting us.