

ELECTRIC INFRARED HEATERS



SUPERIOR
RADIANT PRODUCTS



SERIES mWAVE™

Medium Wave Infrared Heater



WARNING

The manufacturer's instructions, the layout drawing, national and local codes and ordinances, and all applicable standards which apply to electrical wiring comprise the basic information needed to complete the installation. These criteria must be thoroughly understood before proceeding.

Only personnel who have been trained and understand all applicable codes should undertake the installation. Manufacturer representatives are Factory Certified in the service and application of this equipment and can be called on for helpful suggestions about installation.

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USA: 315 N Madison Street, Fortville, IN 46040

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Applicable Codes and Standards

Installation of this heater shall be in accordance with local codes, or in the absence of local codes, the National Electrical Code, NFPA 70, or the Canadian Electrical Code, Part 1, C22.1.

The mWAVE heater is designed and manufactured for residential / commercial heating applications for indoor and outdoor use, according to the Standard for Fixed and Location-Dedicated Electric Room Heaters, UL 2021, and the Canadian Standard for Electric Air Heaters, CSA C22.2 No. 46.

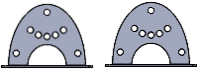
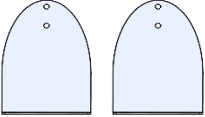
Specification

Model No.	Power (W)	Voltage (V~)	Amps (A)	LAMP qty	Dimensions (L x W x H) inches	Weight (lbs)
MW15M12V*	1500	120	12.5	1	37.8 x 8.15 x 3.8	12.5
MW25M20V*	2500	208	12	1		
MW25M24V*	2500	240	10.4	1		
MW36M20V*	3600	208	17.3	2	66.5 x 8.15 x 3.8	20.1
MW36M24V*	3600	240	15	2		
MW50M20V*	5000	208	24	2		
MW50M24V*	5000	240	20.8	2		
MW25M20*	2500	208	12	1	33.7 x 8.15 x 3.8	10.7
MW25M24*	2500	240	10.4	1		
MW36M20*	3600	208	17.3	2	62.2 x 8.15 x 3.8	18.3
MW36M24*	3600	240	15	2		
MW50M20*	5000	208	24	2		
MW50M24*	5000	240	20.8	2		

V: The SMART Model (Integrated Wi-Fi + Remote)

*: COLOR code, Standard configuration: BLACK, W: WHITE

What's in the Box

Picture	Name	Specification	Quantity
	Infrared heater	1500W 120V 2500W 208V & 240V 3600W 208V & 240V 5000W 208V & 240V	1
	Wing screw	M5 x 16,	4
	Wing nut	M5	4
	Wing screw	M4 x 8, fixing the hook on the housing	4
	Strain relief bushing	Flexible cable with 0.394 in (10 mm) to 0.551 in (14 mm) diameter	1
	Wire nut		3
	Installation bracket		2
	Installation hook		2
	Remote controller		1
	Battery	1.5V, AAA	2

Important Instructions

When using electrical heaters, basic precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

1. Read all the instructions before using this heater.



2. **WARNING** – High temperature. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, etc. and curtains at least 3.3 feet (1 m) from the front of the heater and keep them away from the sides and rear. Also, some materials are more sensitive to heat than others, so make sure that those near your heater can withstand the heat it gives off.
3. This heater is designed to improve comfort and not to heat the ambient air. Many factors can influence the heat felt by users (wind, weather, etc.). It is important to take this into account when using this heater.
4. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
5. Do not operate any heater after it malfunctions. Disconnect power at service panel and have heater inspected by a reputable electrician before reusing.
6. To disconnect heater, turn controls to off, and turn off power to heater circuit at main disconnect panel (or operate internal disconnect switch if provided).
7. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire or damage the heater.
8. To prevent a possible fire, do not block air intakes or exhaust in any manner.
9. The heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
10. Please use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
11. This heater may include an audible or visual alarm to warn that parts of the heater are getting excessively hot .If the alarm sounds (or illuminates), immediately turn the heater off and inspect for any objects on or adjacent to the heater that may have blocked the airflow or otherwise caused high temperatures to have occurred. **DO NOT OPERATE THE HEATER WITH THE ALARM SOUNDING (OR ILLUMINATING).**
12. Protect the heater with the appropriate circuit breakers or fuses, referring to the nameplate.
13. Make sure that the supply voltage corresponds to that shown on the nameplate.
14. This heater must be grounded.
15. This heater must be installed by a qualified person and connected by a certified electrician, in accordance with the electrical and building codes in effect in your region.
16. Observe the distances and positions set out in the installation section of this guide.
17. Do not install less than 8 feet (2.4 m) from the floor. the minimum distance from vertical surfaces or walls is 18in (45.7cm). For wall installation, the minimum distance from ceiling to heater is 5 in (13cm) at 45° or 8 in (20cm) at 67.5° (see installation section).

18. The heater must be installed horizontally only.
19. If the installer or user modifies the heater in any way, the technician will be held responsible for any damage resulting from this modification and CSA/UL certification may be void.
20. When securing the heater, make sure that the anchor can support the total weight of the heater, including the mounting brackets.
21. When cutting or drilling into a ceiling or wall to install the heater, take care not to damage electrical wiring and other hidden utilities.
22. Switch off the heater at the circuit breaker or fuse when not in use for long periods.
23. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate. Non-rechargeable batteries are not to be recharged. Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
24. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

NOTE: When product technical features need to be modified to improve manoeuvrability or other functions, priority is given to the technical characteristics of the product itself. In this case, the instructions for use may not fully correspond to all the functions of the product presented. Consequently, the product and its packaging, as well as its name and illustrations, may differ from those presented in this manual.

NOTE: When product technical features need to be modified to improve manoeuvrability or other functions, priority is given to the technical characteristics of the product itself. In this case, the instructions for use may not fully correspond to all the functions of the product presented. Consequently, the product and its packaging, as well as its name and illustrations, may differ from those presented in this manual.

SAVE THESE INSTRUCTIONS



Each enclosed area within which the heater is located shall have a temperature control device.

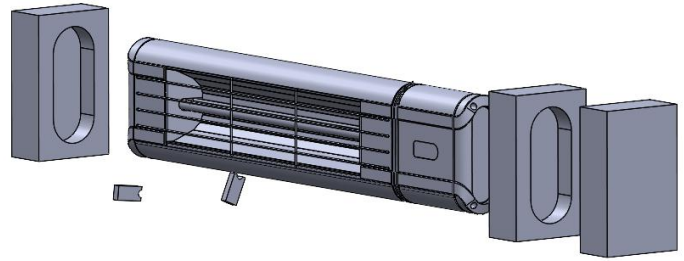
The heater does not feature a device to control ambient temperature.

All users should be made aware of all aspects of operation and safety and these instructions should be retained for reference.

Preparing the heater for installation

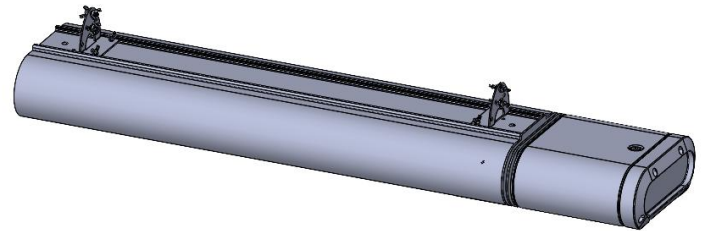
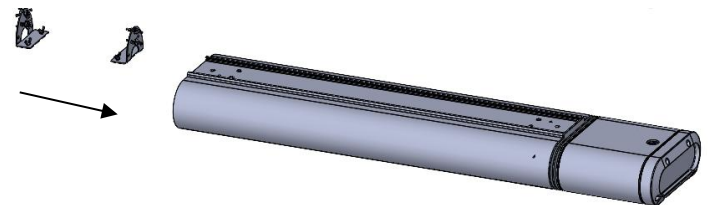
1. Remove the heater from the box and place it on a clean surface, ideally on a protective blanket to save from any color damage and scratches. Keep the contents of the box.

2. Remove the foam supports from the housing and the infrared Lamp.

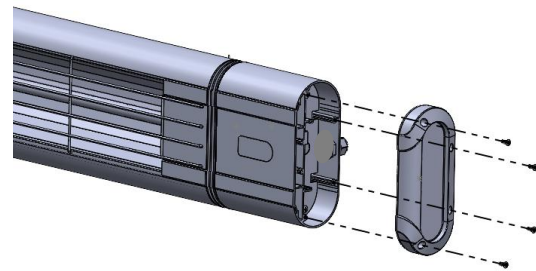


3. Install the two (2) installation brackets using two (2) wing screws (M4 x 8). Orient the brackets as shown.

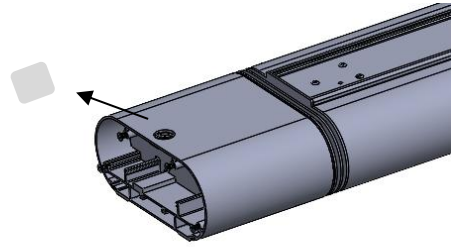
Note: The slot in the extrusions can only be accessed from one end.



4. Remove the end cap adjacent to the electronic module by unscrewing the four (4) screws. Keep the gasket on the end cap and set aside with screws.

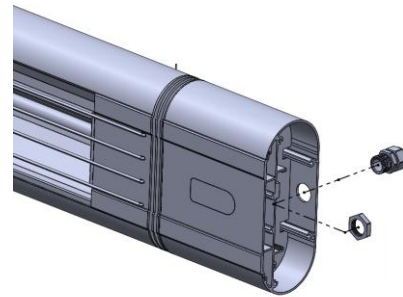


5. Remove the sticker that is blocking the opening at the back of the electronic module.



6. Unscrew the nut on the strain relief bushing. Insert the cable clamp in the opening behind the electronic module and tighten the nut from the inside.

NOTE: The cord grip supplied is compatible with a 0.394 in (10 mm) to 0.551 in (14 mm) diameter flexible cable. For all other types of cable, use a different, non-supplied, watertight cord grip suitable for the type of cable used.



Before installation, read the manual carefully.

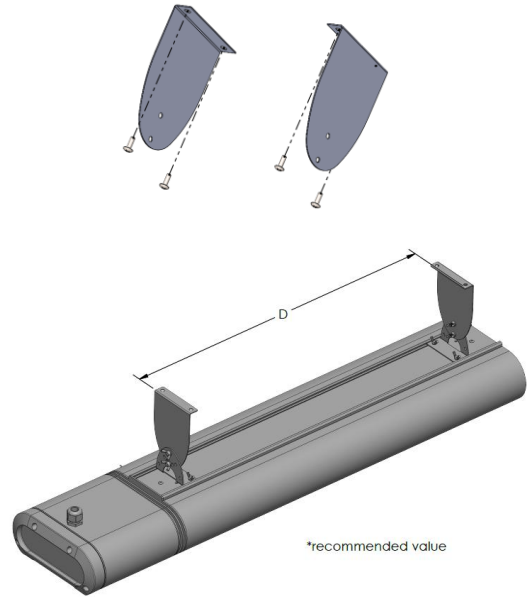
The heater must be installed in accordance with the manufacturer's installation instructions.

This heater comes with a pair of stainless-steel adjustable angle mounting brackets. The adjustable angle enables the heater to be installed on vertical, horizontal, and inclined surfaces.

Installing the heater on the wall / ceiling using the installation brackets

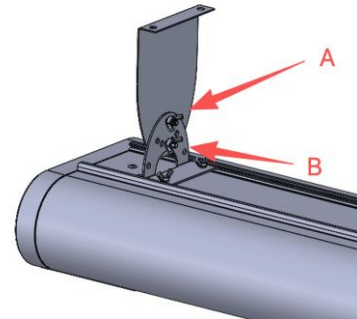
1. Secure the two (2) installation hooks to the wall or ceiling as shown. Distance “D” between the hooks is recommended according to the models:
 - Single lamp models: 24 in (610 mm)
 - Two lamp models: 48 in (1220 mm)

NOTE: Install the hooks with the bent flange facing inward, as shown.



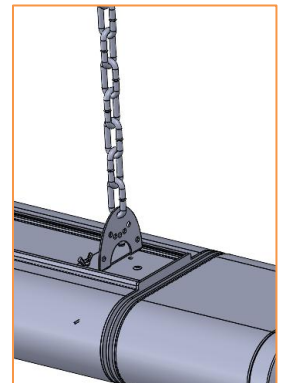
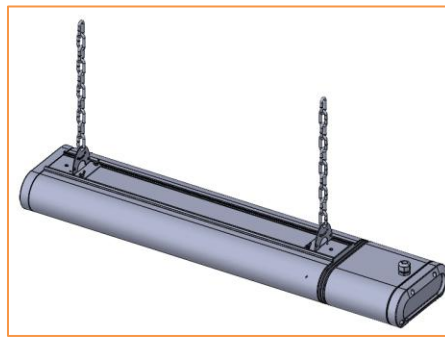
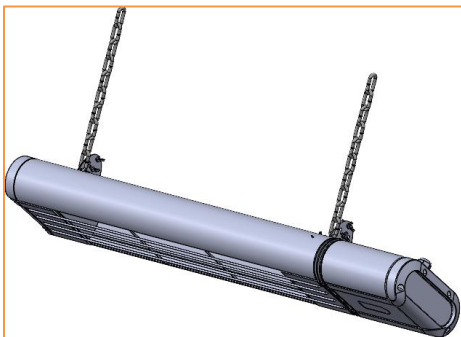
2. Place the bracket inside the hook and insert a wing screw (M5x10) from the inside to the outside. Secure it with a wing nut (M5), as shown “A”. Swivel the bracket to the desired angle, then insert the second wing screw (M5x10) and tighten it with a wing nut (M5) to lock the position, as shown “B”. Tight the wing screws.

NOTE: Repeat this step for both hooks and brackets.



Installing the heater on the ceiling using chains

Mark the location of the ceiling anchor points. Attach the appropriate anchors (not supplied) to support the weight of the heater. Hang the heater from the ceiling using two (2) chains (not supplied) by hooking them into the holes at the ends of each installation bracket.



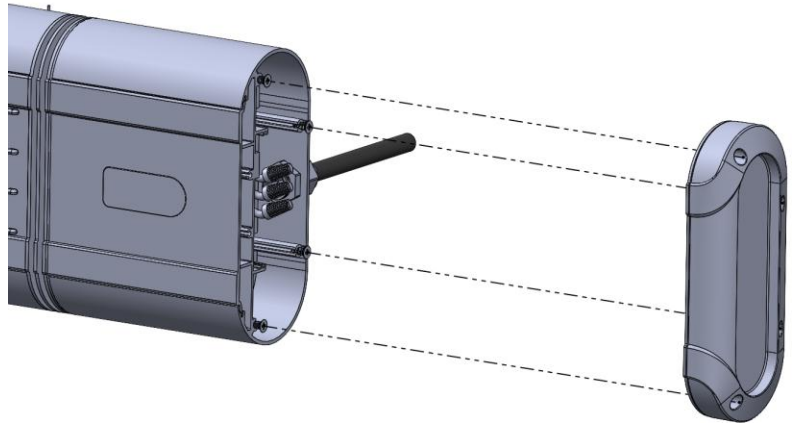
Connecting the electrical wires

1. If necessary, use wire strippers to strip the power cable wires.
2. Insert the power cable wires into the junction box and through the cord grip, then tighten the cord grip.
3. Connect the power cable wires to the heater wires as shown in the diagram on the right.
4. Tighten the wire nuts securely, then place all wires back inside the junction box.



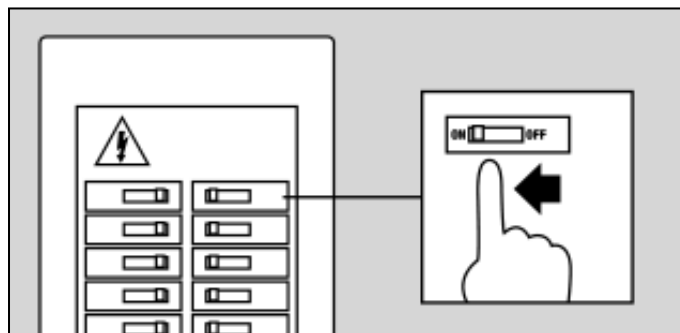
NOTE: Use power cable suitable for 75 °C (167 °F) with copper conductors only.

5. Reinstall the end cap, ensuring no wires are pinched, and secure it with the four (4) provided screws. Confirm that the seal is properly seated.
6. Secure the power cable to the wall or ceiling, following local codes, ensuring it does not come into contact with the infrared lamp casing.



Restoring power

Restore power to the patio heater. Make sure it is working by switching it on with the remote control.

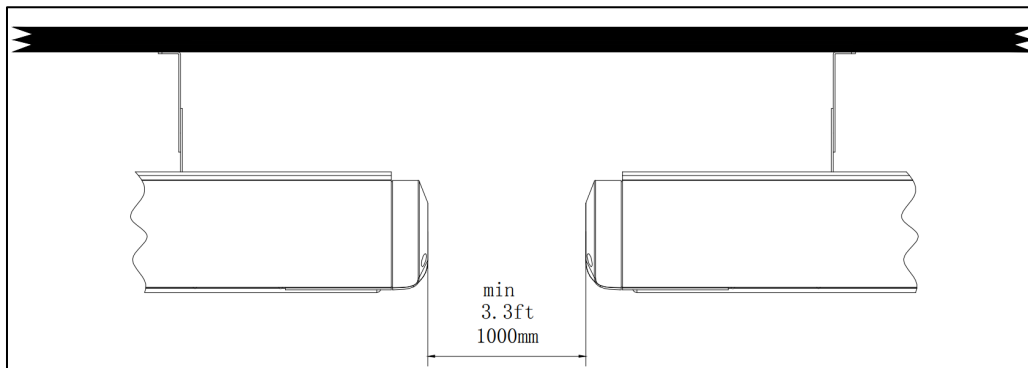
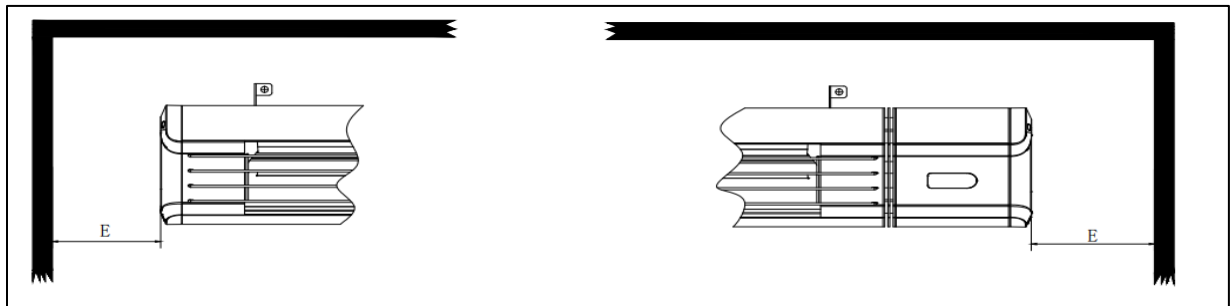


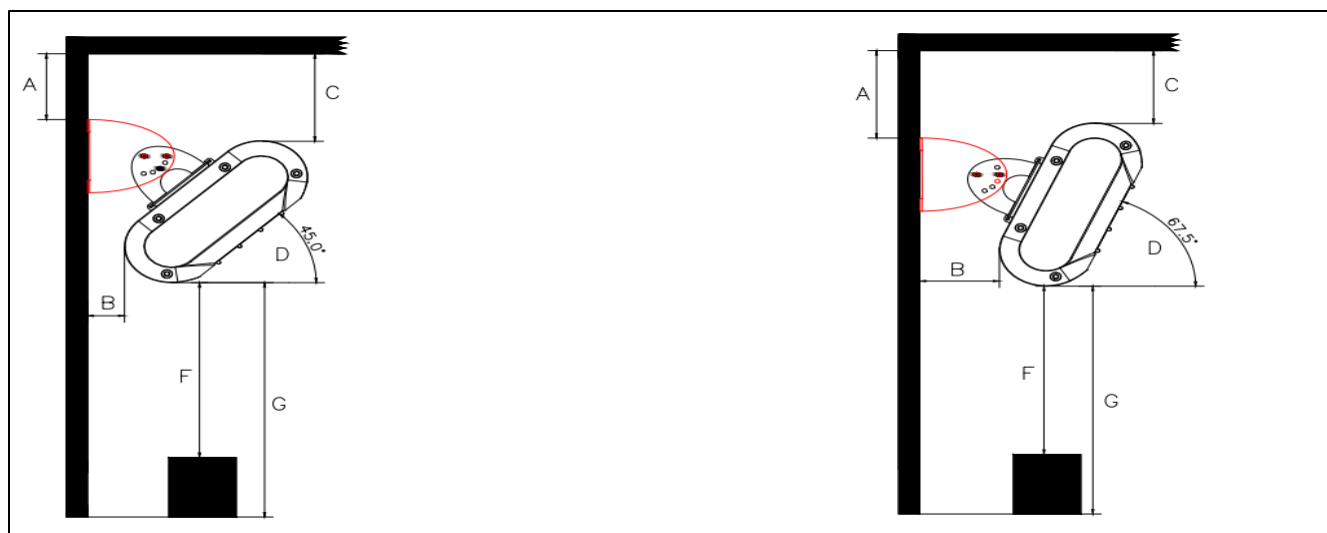
Installation clearance to combustibles

1. The minimum installation height from the floor to the heater shall be 8ft (2438mm).
2. The minimum clearances from the ceiling, walls and other objects are shown in the pictures below.
3. The stated clearance to combustibles represents a surface temperature of 117°F (65°C) above room temperature.
4. Building materials with low heat tolerance (i.e. plastics, vinyl siding, canvas, tri-ply, etc.) may be subject to degradation at lower temperatures. It is the installer's responsibility to ensure that adjacent materials are protected from deterioration.
5. The heater can be wall-mounted at various angles as shown. Do not point the heater towards the ceiling or lean it against the wall, as this could cause a fire or damage your property.

WALL INSTALLATION

WALL INSTALLATION		D angle between heater and horizontal line		
		0°	45°	67.5°
A	Min distance from ceiling to bracket	N/A	4 in (100 mm)	8 in (200 mm)
B	Min distance from wall to heater	N/A	3.1 in (80 mm)	4.3 in (110 mm)
C	Min distance from ceiling to heater	N/A	5 in (130 mm)	8 in (200 mm)
E	Min distance from wall to heater end side	N/A	18 in (457 mm)	
F	Min distance between objects and heater	N/A	3.3 ft (1000 mm)	
G	Min distance from floor to heater	N/A	8 ft (2438 mm)	
	Min Distance between heaters	End-to-end: 3.3 ft (1000 mm)		

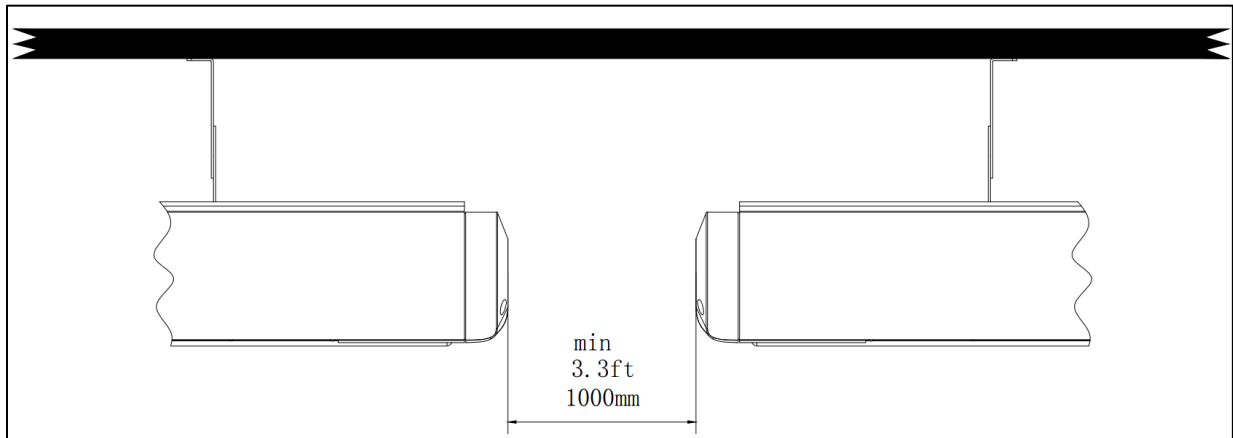
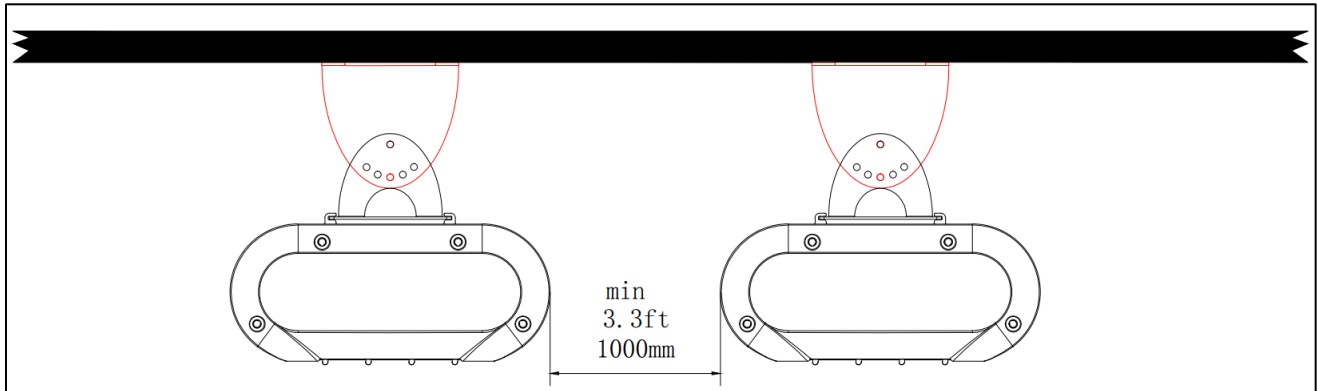
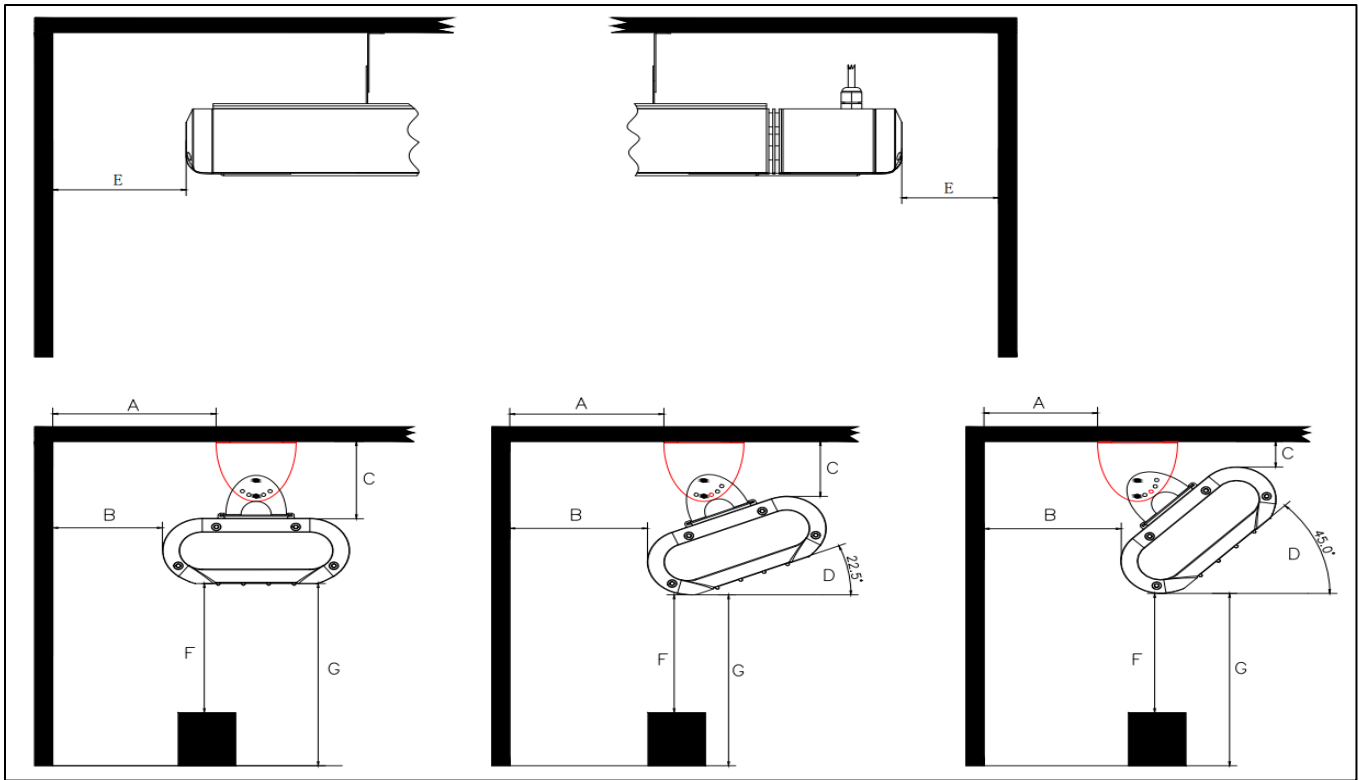




6. The heater can be installed on the ceiling at different angles as shown. Do not point the heater towards the wall, as this could cause a fire or damage your property.

CEILING INSTALLATION

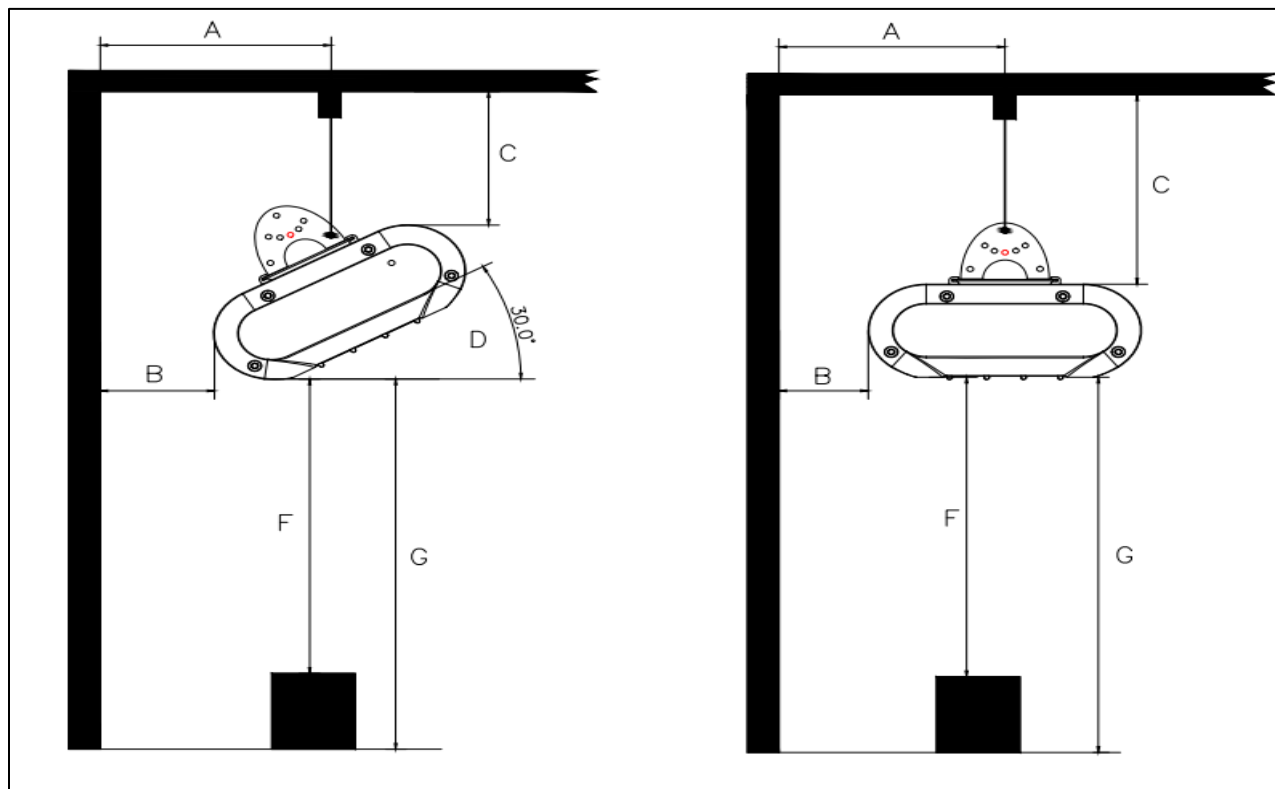
CEILING INSTALLATION		D angle between heater and horizontal line		
		0°	22.5°	45°
A	Min distance from wall to bracket	15.7 in (400 mm)	16.7 in (425 mm)	14.6 in (370 mm)
B	Min distance from wall to heater	18 in (457 mm)	15.7 in (400 mm)	15.7 in (400 mm)
C	Min distance from ceiling to heater	5.9 in (150 mm)	5.4 in (136 mm)	3.9 in (100 mm)
E	Min distance from wall to heater end side	18 in (457 mm)		
F	Min distance between objects and heater	3.3 ft (1000 mm)		
G	Min distance from floor to heater	8 ft (2438 mm)		
	Min distance between heaters	End-to-end: 3.3 ft (1000 mm) Side-by-Side / Parallel: 3.3 ft (1000 mm)		

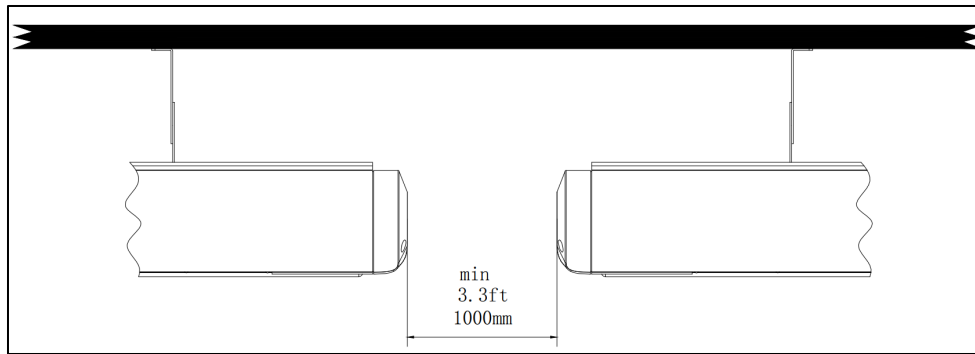
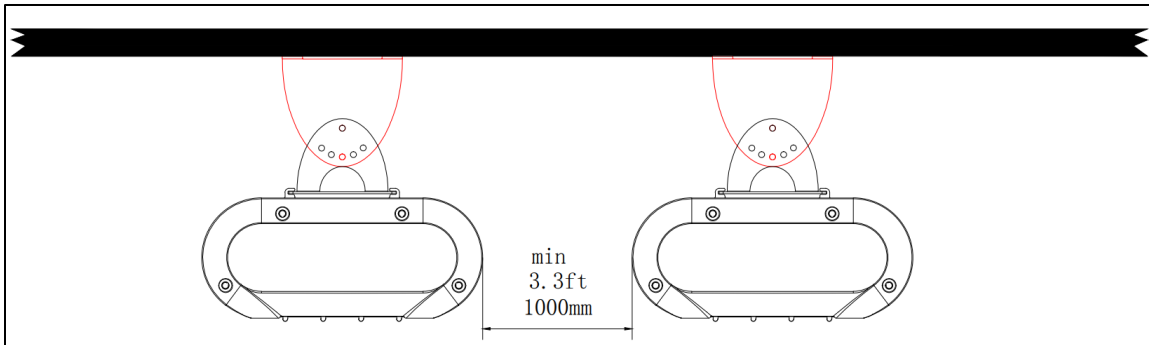
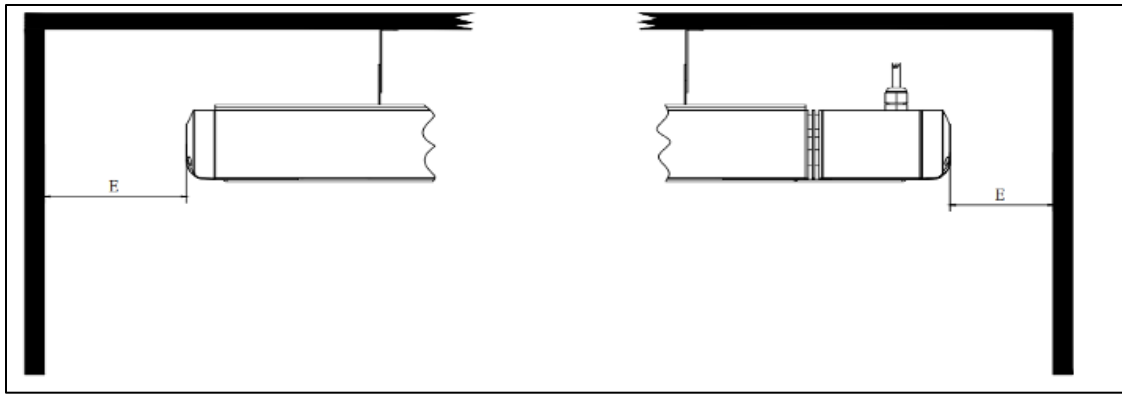


7. The heater can be installed on the ceiling via chains at different angles as shown. Do not point the heater towards the wall, as this could cause a fire or damage your property.

CHAIN SUSPENDING INSTALLATION

CHAIN SUSPENDING INSTALLATION		D angle between heater and horizontal line	
		0°	30°
A	Min distance from wall to suspended point	22 in (560 mm)	19.2 in (487 mm)
B	Min distance from wall to heater	18 in (457 mm)	15.7 in (400 mm)
C	Min distance from ceiling to heater	5.9 in (150 mm)	3.9 in (100 mm)
E	Min distance from wall to heater end side	18 in (457 mm)	
F	Min distance between objects and heater	3.3 ft (1000 mm)	
G	Min distance from floor to heater	8 ft (2438 mm)	
	Min distance between heaters	End-to-end: 3.3 ft (1000 mm) Side-by-Side / Parallel: 3.3 ft (1000 mm)	





MAINTENANCE INSTRUCTIONS

1. Before cleaning or the replacement of heating element, make sure the power has been turned off at the circuit breaker panel and that the heating element of the heater and the body of the heater is cool to the touch to prevent bodily injury.
2. All maintenance should only be carried out by a qualified electrician or installation professional. It is necessary to periodically (once a year) check the electric cable contacts and terminal connectors for good tightening.
3. This heater can be cleaned with a soft non-abrasive damp cloth. Do not use chemical cleaning products or abrasives, as they could damage the device's casing. It is recommended to clean the unit every 3 months for peak performance.

DO NOT USE:

- chlorine
- metal brushes or scouring pads
- cleaning products containing abrasives.
- cleaning products bearing the following symbols:



Replacement of heating elements

The heaters are equipped with field replaceable infrared heating elements.



Do not change the heating elements when the heater is mounted!

1. This should be performed by qualified service personnel. make sure the power has been turned off at the circuit breaker panel and that the heating element of the heater and the body of the heater is cool to the touch to prevent bodily injury.
2. Disconnect the power in the junction box.
3. Remove the heater from the wall / ceiling.
4. Follow the instructions provided with the replacement heating elements.



WARNING:

Make sure the new element matches voltage and power on the rating plate.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, such as- read all instructions before installing or using this heater and do not let bare skin touch hot surfaces.

Kit Parts List

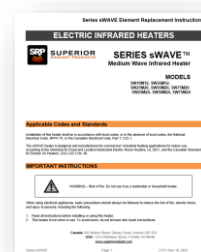
Item	Part Description
1	Element
2	Heating Element Replacement Instructions

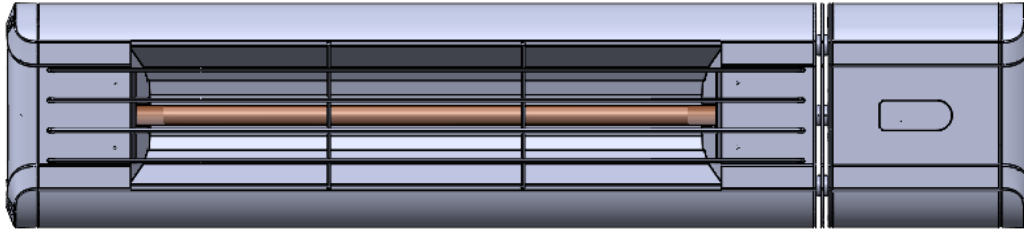
Heating Elements

1



2





Note: Element wires do not have labels as they can go in any location and any direction of the same rating.

TECHNICAL SPECIFICATIONS

Step 1: Turn off the main power breaker and lock the panel.

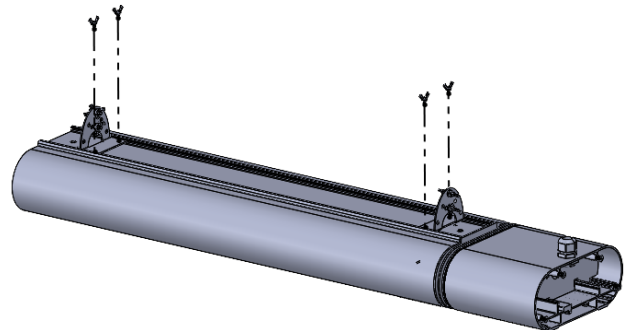
WARNING: Do not service the heater when its hot.

WARNING: Disconnect the electrical wires from the heater

Step 2: Remove the four M5 x 16 wing screws and M5 wing nuts from the ceiling bracket and bring down to a working surface.



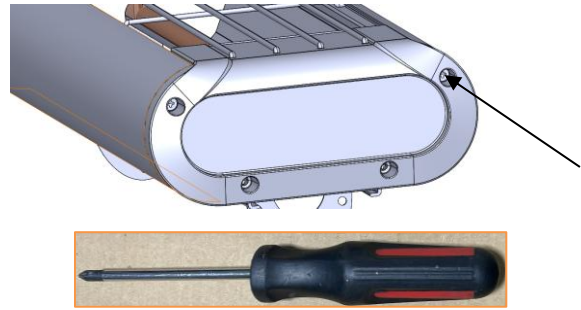
Step 3: Remove the four wing screws M4 x 8 from the heater brackets.



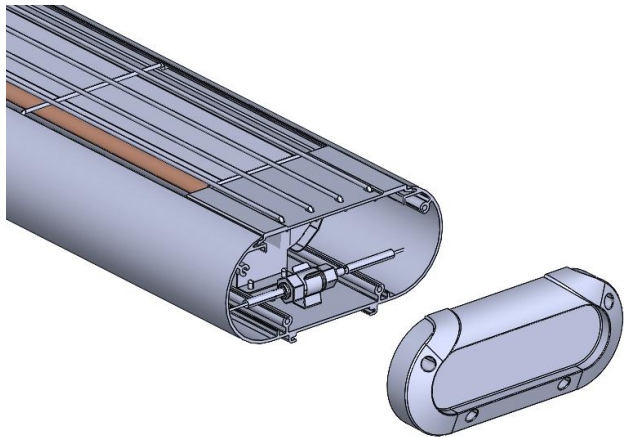
Step 4: Slide out both brackets and keep it separate.



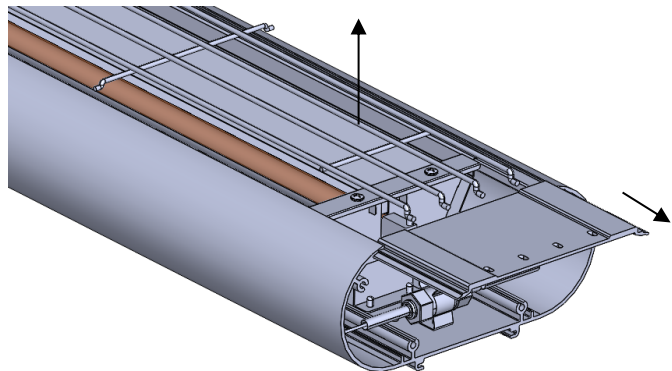
Step 5: Remove four screws from the other side end cap at the side with screwdriver.



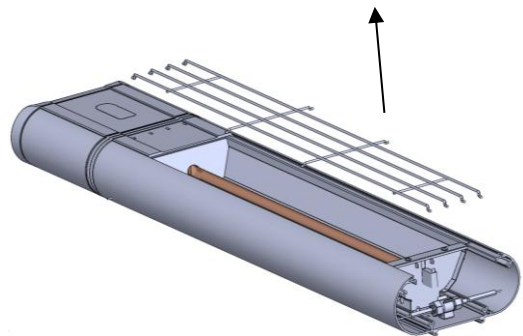
Step 6: Remove the end cap, keep the gasket on the end cap and keep set aside with screws.



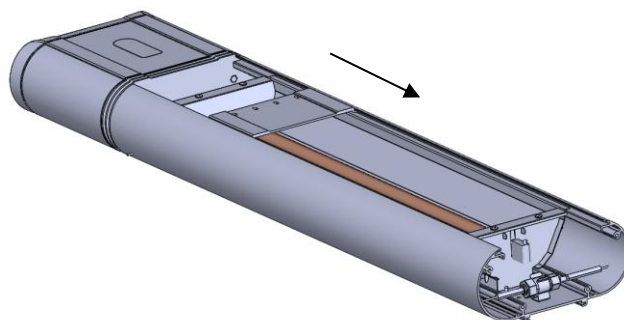
Step 7: Lift the wire guard and slide out the bottom plate. Keep the bottom plate aside.



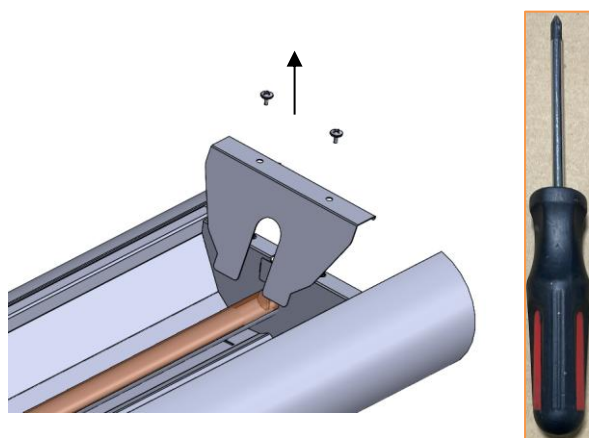
Step 8: Remove the whole wire guard attached to the reflector.



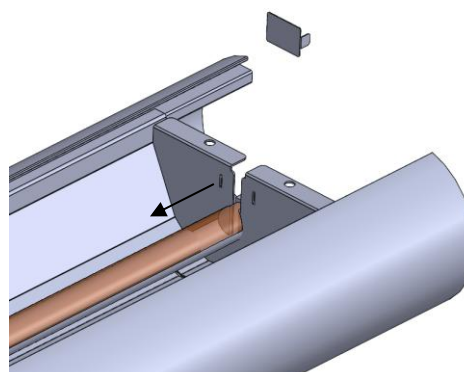
Step 9: Slide out the other bottom plate and keep it separate.



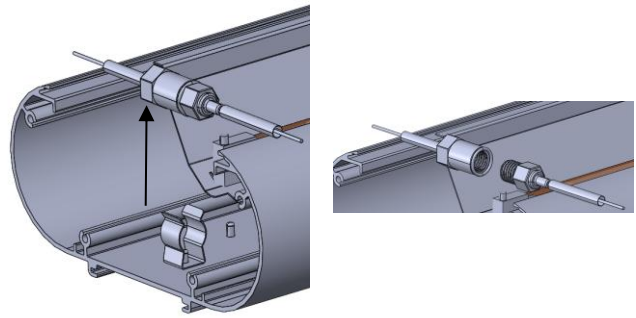
Step 10: Remove the screws from reflector end caps at both side of reflector using a screwdriver.



Step 11: Remove the insert placed in the middle of the reflector end cap slot. Bend the tabs of the insert with fingers as necessary.



Step 12: Pull out the black water-resistant connector from the holder and open the connector.

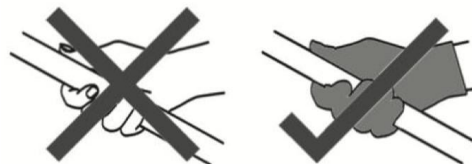


Step 13: Detach the wire connector. Repeat the process for the other side of the element. Remove the element from reflector housing and keep it separate.

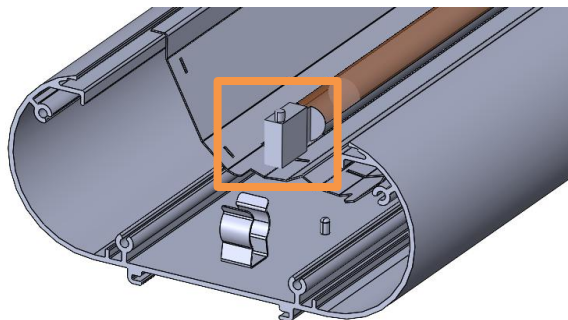


Step 14: Repeat Steps 10 to 13 for the other side of the element.

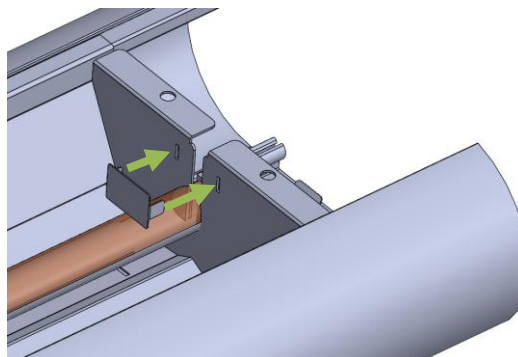
Step 15: Take the new element and wipe the glass body of the element with a wet cloth. Do this carefully otherwise the glass may break. Do not handle the halogen bulb with bare hands. If it is inadvertently touched, remove finger marks with a soft cloth and methylated spirit or rubbing alcohol. Otherwise, the marks will burn into the quartz emitter during use causing premature heater failure.



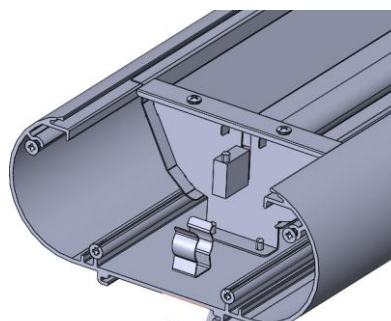
Step 16: Place the new element inside the reflector housing. The white ends of the element should be placed in between the reflector end cap slots with wire connection facing upwards. (as shown inside the orange rectangle)



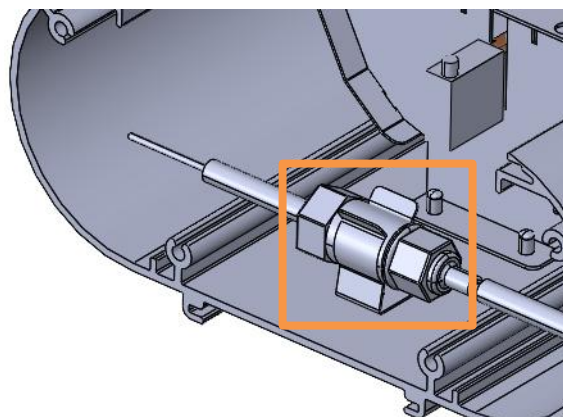
Step 17: Place both the inserts in between the reflector end cap slots.



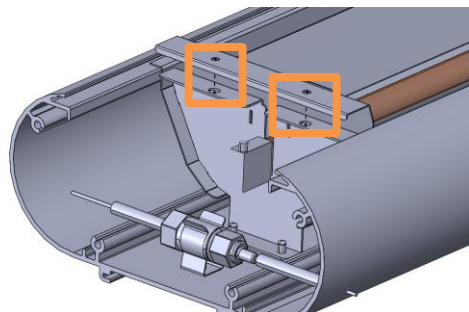
Step 18: Reconnect the wire terminals tightly and close the connectors at both sides of the element.



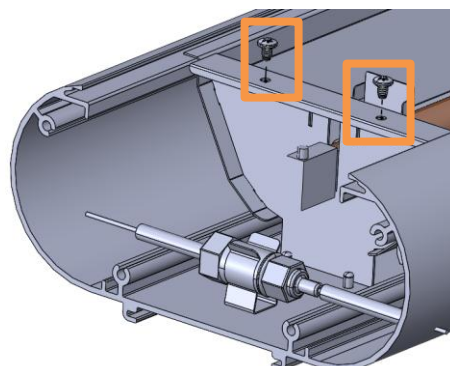
Step 19: Push the connectors inside the holders.



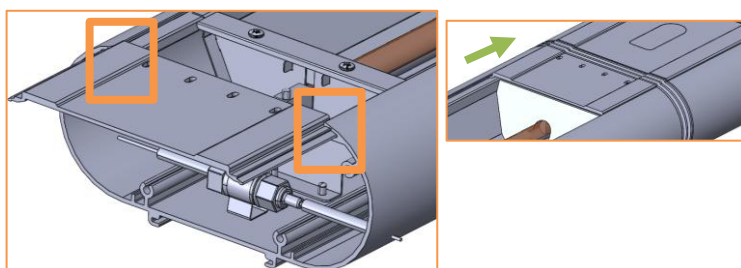
Step 20: Slide the end cap and push it downwards. Do it for both the sides.



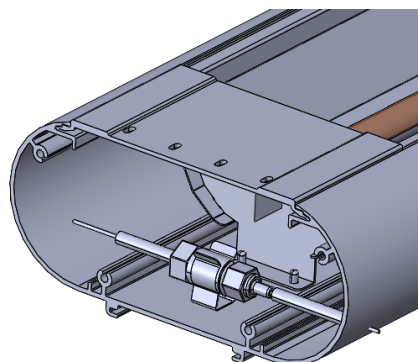
Step 21: Attach both the end caps with screws using a screwdriver.



Step 22: Insert the bottom plate in between the housing and push it at the end.

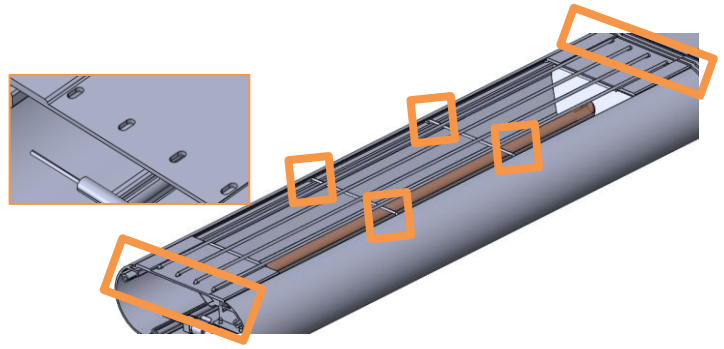


Step 23: Place the other bottom plate in similar way.



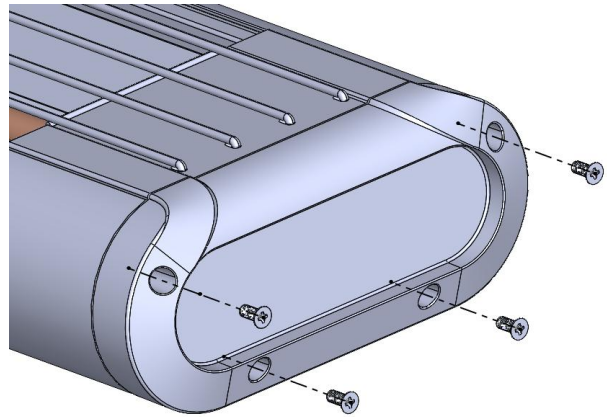
Step 24: Insert the grills in bottom plate slots carefully.

Also, Insert the grill on sides between reflector and heater body.



Step 25: Insert the bottom plate of this end adjusting the wire grill in slots of the bottom plates.

Step 26: Align the end cap keeping gasket in place and tight the screws with a screwdriver.



Step 27: Attach the heater back with brackets. See steps 2, 3 and 4.

Step 28: Reconnect the power supply wires according to the label.

Step 29: Establish power supply to the heater.

Step 30: Turn on the heater and confirm the normal operation.

Step 31: Dispose the damaged heating element following the local codes.



IMPORTANT:

Make sure the heater is intact and previous steps have been followed correctly.

REPLACEMENT PARTS

Part Number	Description
RP-CE644	Element, Quartz IR, 1500W ,120V
RP-CE645	Element, Quartz IR, 2500W, 208V
RP-CE646	Element, Quartz IR, 1800W, 208V
RP-CE647	Element, Quartz IR, 1800W, 240V
RP-CE648	Element, Quartz IR, 2500W, 240V
RP-MS017B	mWave Hanger Kit Black
RP-MS017W	mWave Hanger Kit White

Remote Control Operation Guide



WARNING: The heater must be properly installed before it is used.

1. Power-On & Wi-Fi Status

- When the heater is powered on for the first time and Wi-Fi is not configured, the display shows "--" (red blinking) and indicate the unit is in the standby mode.
- To activate Wi-Fi pairing mode, press and hold the MODE key on the remote for 5 seconds in the standby mode. The display will show "FI" flashing for 2 minutes. If Wi-Fi is not set up within 2 minutes, the display returns to "--".
- If Wi-Fi was already configured before power-off, the Wi-Fi module reconnects automatically.
- The display shows "FI" (steady ON), and the heater can be controlled by the App directly.



2. Turning on the Heater

- At power-on, the heater is in Standby and displays "--" (red blinking). Press the ON key on the remote (or use the App) to start heating. The heater starts at L1 for the first 3 seconds, then automatically switches to L5.
- The distance between the heater and the remote control should be less than 5 metres and the remote control must be directly point to the receiver locating in the area of the display.

3. Power Level Adjustment (L1–L5)

- The heater has 5 heating levels: L1 / L2 / L3 / L4 / L5 (33%–50%–66%–80%–100% output).
- From Standby, press ▲ or ▼ once to enter L1. Press ▲ to increase the level. Press ▼ to decrease the level.

NOTE: The adjustment is No circular loop.

4. Timer Setting (0–9 Hours)

- While heating, press the MODE key once. The timer display will flash for 5 seconds.
- ▲ to increase the timer by 1 hour.
- ▼ to decrease the timer by 1 hour.
- Range: 00–9 hours (00 = timer off)
- During timer operation: Display alternates every 5 seconds between heating level and timer value (e.g., L5 → 5H).
- Countdown displays whole-hour remaining time: 9H → 8H → ... → 1H.
- When timer ends, the heater returns to Standby automatically.

TUYA WIFI app operation guide

- Connect your smartphone to the WIFI heater.

- Download the App "TuyaSmart"  or "Smart Lift"  and follow the steps below to connect the heater with the App.

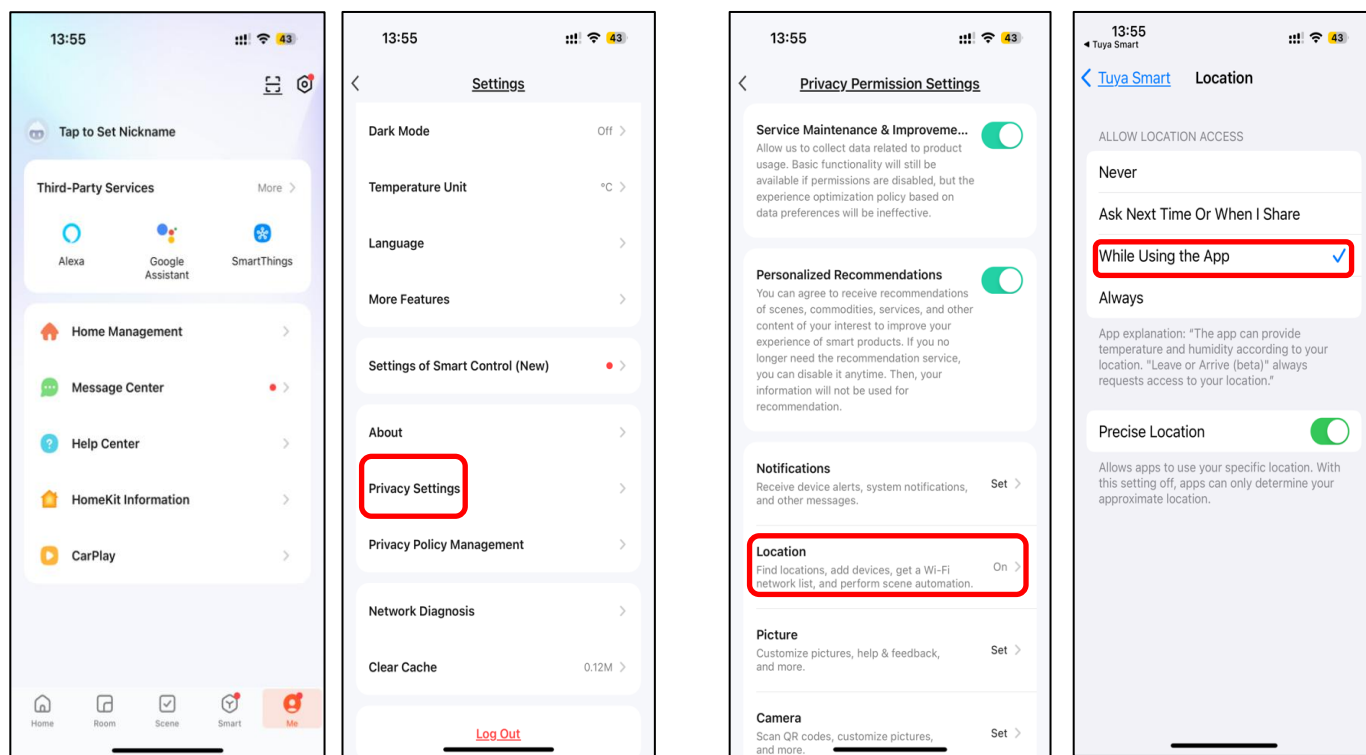


- The system automatically recognizes your country/area. You can also manually select your country code. Enter your cell phone number/email address and tap "Next".
- If you choose the mobile number option, enter the verification code in the message that will be sent to you by SMS. If you choose the email option, the code that will be sent to you via email.
- Set a password as required and press "Confirm" to complete registration.

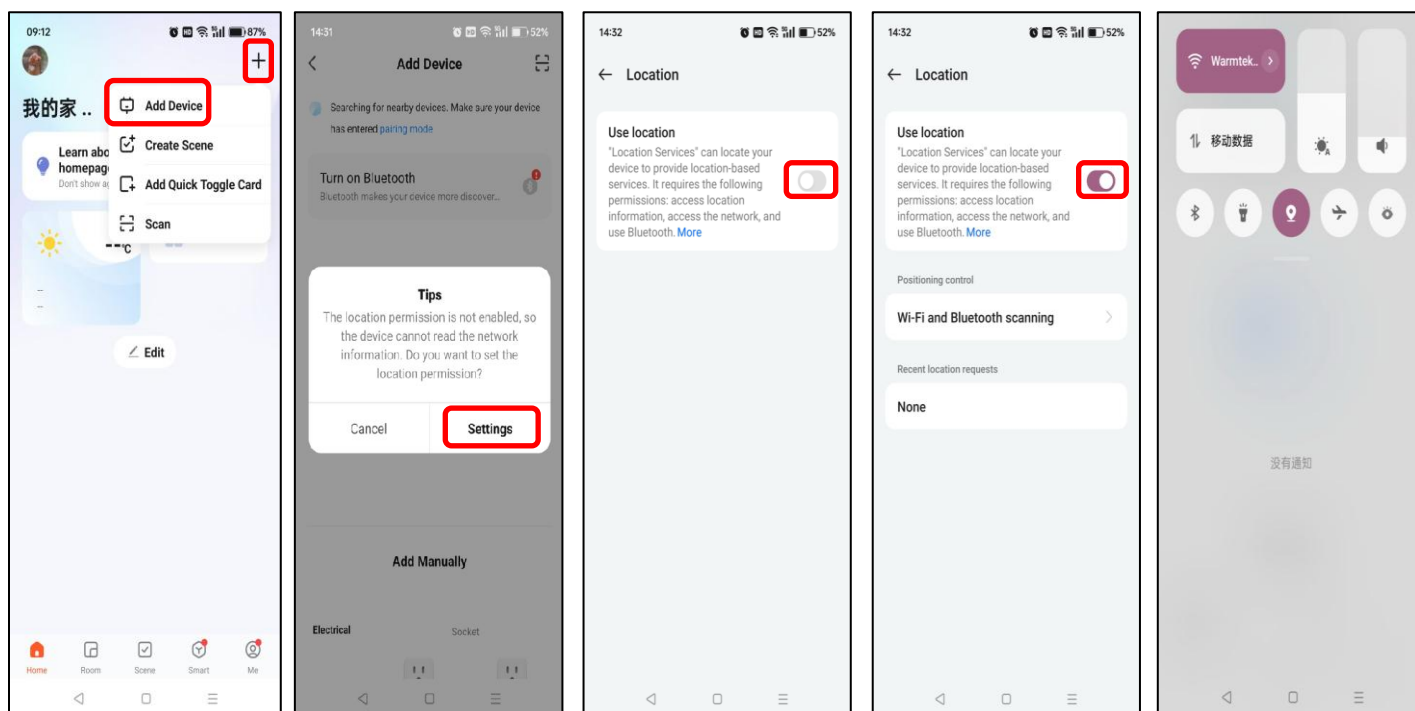
← Register	← Register
Region Australia +61 >	Region Australia +61 >
Mobile Number/E-mail	XXXXXXXXXX
Next	Next
By clicking next, you agree to the Kogan.com Terms & Conditions	By clicking next, you agree to the Kogan.com Terms & Conditions

- Activates BLUETOOTH  feature on the smartphone.
- Set permissions for the house location in the APP settings, by clicking "ME" icon.

Procedure for Apple iOS iPhone Phones



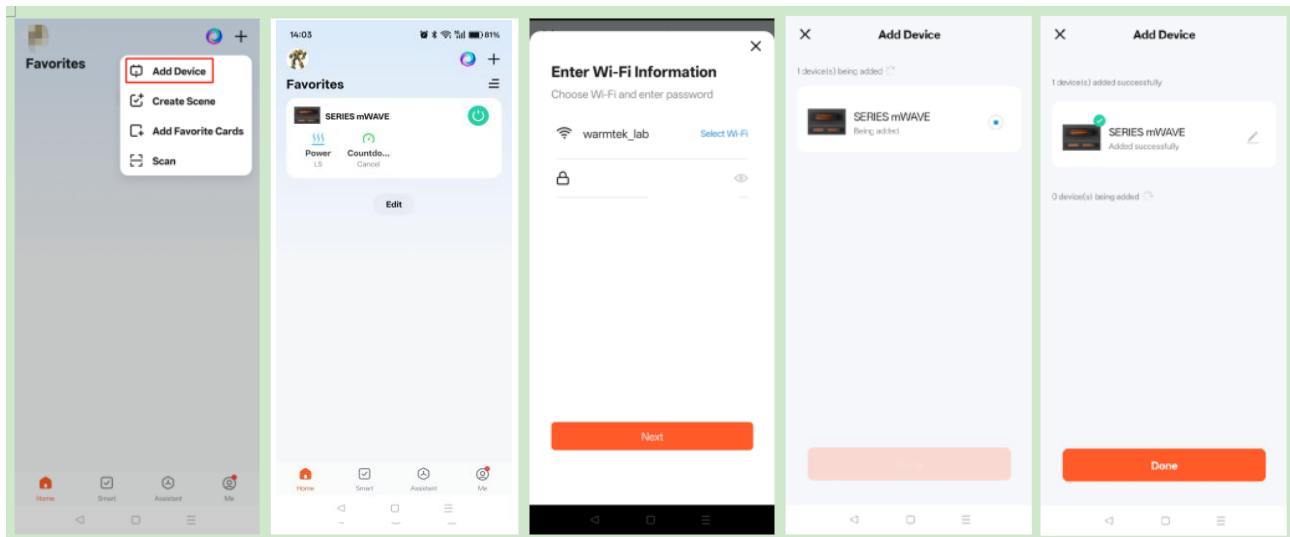
Procedure for Android Phones



- To activate Wi-Fi pairing mode, press and hold the MODE key on the remote for 5 seconds in the Standby mode. The display will show "FI" flashing for 2 minutes. If Wi-Fi is not set up within 2 minutes, the display returns to "--".
- If Wi-Fi was already configured before power-off, the Wi-Fi module reconnects automatically.
- The display shows "FI" (steady ON), and the heater can be controlled by the App directly.



- Open the APP "TuyaSmart" or "Smart Lift", click on Add Device, the APP will automatically search for nearby devices.
- Select 2.4 GHz Wi-Fi only, enter your Wi-Fi username and password, and click the NEXT button.



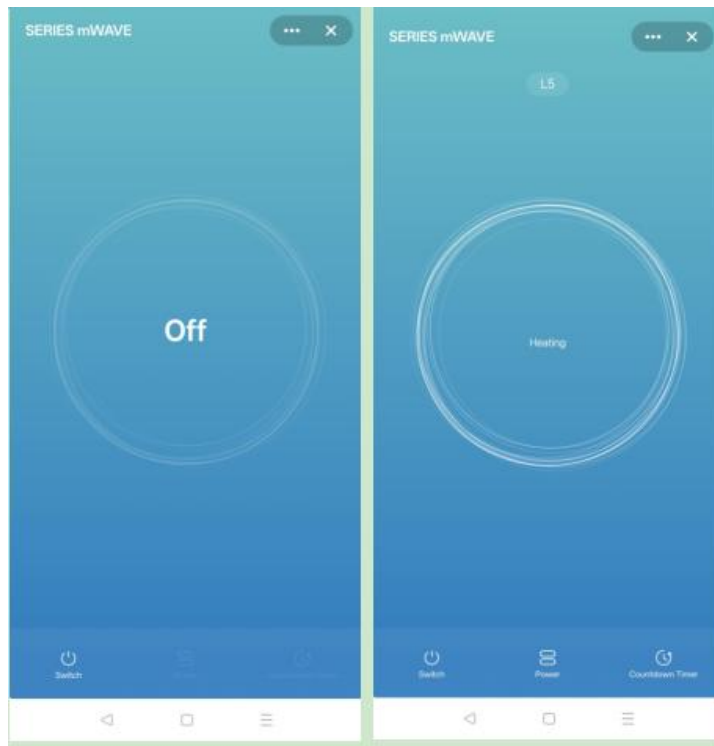
Click the Done button to enter the operational interface.

Attention

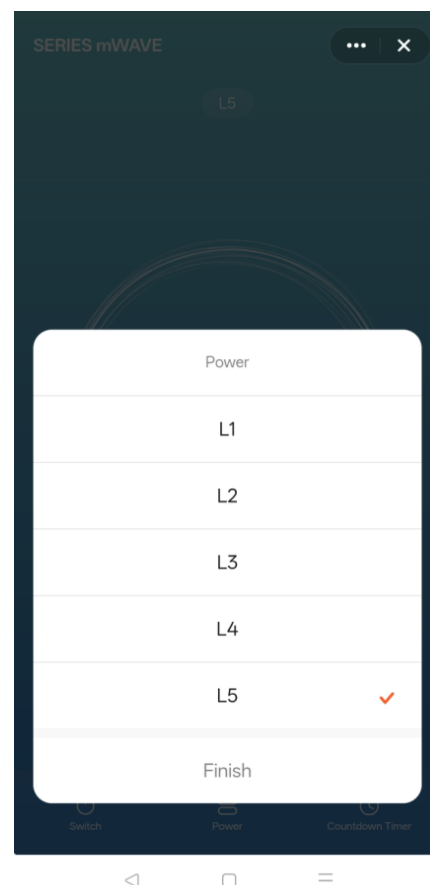
- When the heater is paired with a smartphone and no further operation is active, the "FI" symbol will be shown on the steady display without flashing.
- If the connection failed, please check whether the WIFI signal is strong or not. The heater and smartphone should be as close to the WIFI router as possible.
- If necessary, you can purchase a WIFI signal repeater separately (not provided by us and not supplied).
- Please try again to reset or activate WIFI, Press the "WIFI" button on the remote control 5 seconds in the Standby mode., it will reset the unit to WIFI ready to connect with smartphone.

Operation on the APP

- As soon as you enter if the heater is off, the round button with the word OFF is displayed.
- Click on the "Switch" icon, it will turn on the heater at full power and the word "Heating" and tick on the "L5" symbol will be displayed.



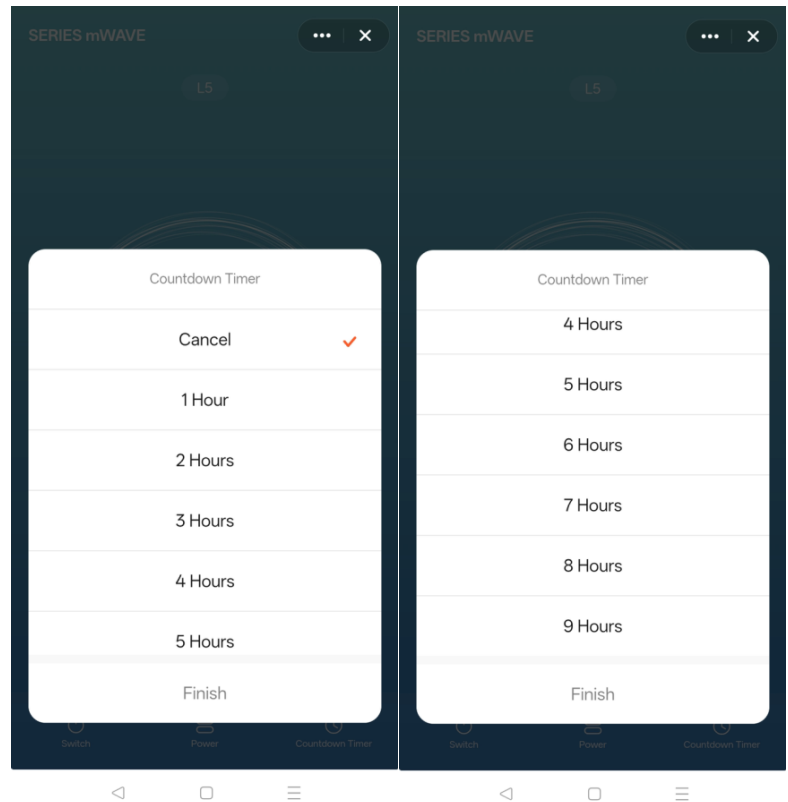
- Click the "Power " icon, to set the heater in different power levels.
- Level 1: L1 33% of the rated power and L1 will be displayed.
- Level 2: L2 50% of the rated power, and L2 will be displayed.
- Level 3: L3 66% of the rated power, and L3 will be displayed.
- Level 4: L4 80% of the rated power, and L4 will be displayed.
- Level 5: L5 100% of the rated power, and L5 will be displayed.



Click the "Countdown Timer" icon to select the desired time from 1 hour to a maximum of 9 hours after which the heater will be automatically turned off.

- The corresponding number will be shown on the display.
- Click the "Cancel" icon to cancel the timer set.

CAUTION: If the timer is not triggered, a build-in safety feature will automatically trigger the heater to switch to standby mode after eight (8) hours of continuous operation.



Reset or activate WIFI.

Press the "MODE" button on the remote control 5 seconds in the standby mode, this will reset the unit to Standby mode, ready to link to the smartphone.

CAUTION: After resetting the unit, the connected smartphone will be removed from the WIFI modular. Please relink the smartphone to the unit as per the instructions.

Error Code

Error Code	Condition Detected	Description
E0	NTC open circuit	Detected within 5 seconds after power-on. Error code remains displayed.
E1	NTC short circuit	Detected during standby or operation. Error code remains displayed.
E2	Communication failure	Communication error between the power board and display board. Error code remains displayed.
E3	Over-temperature (82°C)	When NTC detects 82°C during operation, heating stops and E3 remains displayed. After power reset, display returns to “standby mode” once temperature drops below 82°C.
E3	Low temperature (-35°C)	Detected within 5 seconds after power-on. Error code remains displayed.

FCC Regulatory Compliance

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
 - Importer: Superior Radiant Products Ltd
 - Address: 563 Barton Street STONEY CREEK ON L8E 5S1 Canada
 - Telephone number: 1 800 527 4328
- Please note that changes or modifications of this product is not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

WARRANTY TERMS & CONDITIONS

mWAVE ELECTRIC INFRARED HEATERS

WARRANTY TERMS & CONDITIONS

The manufacturer warrants to the original owner that the product will be free of defects in the material and workmanship. This warranty is limited to 12 months from the date of installation for all components.

The Manufacturer's obligation under this warranty is limited to repair or replacement, F.O.B. the factory, of the defective part. In the case of replacement parts, the warranty period shall be the longer of the original warranty or a period of 12 months from the date of purchase. In no event shall the Manufacturer be liable for incidental expense or consequential damages of any kind.

This warranty does not cover any shipping, installation or other costs incurred in the repair or replacement of the product. No materials will be accepted for return without authorization.

This warranty will not apply if in the judgment of the Manufacturer, the equipment has been improperly installed, unreasonably used, damaged or modified. This warranty will not apply to damage the product when used in corrosive atmospheres and in particular atmospheres containing halogenated hydrocarbons. No person is authorized to assume for the Manufacturer any other warranty, obligation or liability.

Provision of this warranty is subject to:

- The mWAVE product must be installed in accordance with the installation instructions and relevant electrical standards and codes.
- The mWAVE product must be maintained and cleaned according to instructions detailed in the installation manual.
- Discoloration of the surface may occur after a period of time; this does not constitute a warrantable event.

Should products be determined as damaged on arrival, immediately notify the transport company of the condition and have them noted on the freight documents. If damage is discovered after unpacking, demand immediate inspection by the transportation company and insist that a record of the damage is made on the freight documentation.

The customer warrants using the product in accordance with:

- Any instructions provided to it by Superior Radiant Products from time to time.
- All government and local regulations, including but not limited to all relevant electrical, environmental laws and regulations governing the installation, storage, use, handling and maintenance of the goods.
- All necessary and appropriate precautions and safety measures relating to the installation, storage, use, handling and maintenance of goods.

THE REMEDIES PROVIDED FOR IN THE ABOVE EXPRESS WARRANTIES ARE THE SOLE AND EXCLUSIVE REMEDIES. NO OTHER EXPRESS OR IMPLIED WARRANTIES ARE MADE INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE.