
**PLATINUM SMART-HEAT™ ELECTRIC
HEATER SERIES II (MARINE)**

BY BROMIC

**INSTALLATION, INSTRUCTION
AND SERVICE MANUAL**

AVAILABLE IN 2300W & 3400W VERSION

**PROP. 65 WARNING FOR
CALIFORNIA RESIDENTS**

 Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

**AVERTISSEMENT PROP. 65 POUR LES
RESIDENTS DE LA CALIFORNIE**

 Cancer et Troubles de
l'appareil reproducteur -
www.P65Warnings.ca.gov

**ADVERTENCIA PROP. 65 PARA LOS
RESIDENTES DE CALIFORNIA**

 Cancer y Daño Reproductivo -
www.P65Warnings.ca.gov



 **IMPORTANT**

READ THIS MANUAL CAREFULLY.
SEE INSIDE COVER FOR IMPORTANT
INFORMATION ABOUT THIS MANUAL.
KEEP INSTRUCTION WITH APPLIANCE
FOR FUTURE REFERENCE.

ORIGINAL INSTRUCTIONS

VERSION 1.0 US

This manual contains important information about the installation, operation, and maintenance of Platinum Smart-Heat™ Electric Heaters. Please pay close attention to the important safety information shown throughout this instruction manual. Any safety information will be accompanied by the following safety alert symbols:

 DANGER,  WARNING,  IMPORTANT

- READ THIS MANUAL CAREFULLY before installing or servicing this product.
- Improper installation, operation, or maintenance can result in death, severe injury, or property damage.
- This appliance is intended for fixed installation with 220-240V AC single-phase power supply.
- Installation **MUST** be carried out by a licensed and authorised technician in accordance with local electrical codes.
- This product is intended for domestic and commercial use.
- International Registered Designs Pending.

Correct Disposal of this product



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer from whom the product was purchased so that they may organise environmentally safe recycling.

BROMIC[®]
HEATING

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Note: Bromic Pty Ltd reserves the right to make changes to specifications, parts, components and equipment without prior notification. This installation, operation and service manual may not be reproduced in any form without prior written consent from Bromic Pty Ltd.

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IMPORTANT NOTES AND WARNINGS

WARNING

- **IMPORTANT** - Installation **MUST** be carried out by a licensed and authorised person.
- Improper installation, adjustment, or alteration and failure to follow the warnings and instructions in this manual could result in severe personal injury, death or property damage.
- The manufacturer is not responsible for any damage resulting from improper use. The manufacturer emphasises that this appliance should be used in a responsible manner and that all procedures, warnings, and safety instructions contained in this booklet should be followed strictly.
- The installer is to ensure that the requirements of the local authority, local electrical installation code, municipal building codes, and any other relevant statutory regulations are carried out.
- Do not place articles on or against this appliance.
- Do not use or store flammable materials near this appliance
- This installation, operation and service manual should not be removed from the site of installation. Installer should leave manual with the customer for future reference.
- A minimum safety distance of 1000mm should always be left in front of the appliance.
- This unit must be mounted at a minimum of 1800 mm above the floor.
- The appliance must not be located immediately below or in front of an electrical socket outlet. Heat radiated from the appliance may damage the electricity outlet or plug if placed incorrectly.
- Any guard or other protective device removed for servicing (conducted by an authorised person) must be replaced before operating the heater.
- 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.
- Heaters are not intended to be installed in wardrobes.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Children of less than 3 years should be kept away unless continuously supervised.
- 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.
- Keep packaging materials out of reach of children
- Do not spray aerosols or flammable materials in the vicinity of this appliance while it is in operation
- Installation and repair must be carried out by a qualified and licenced service person only. The heater should be inspected before use and at least annually serviced and inspected by a qualified and licenced service person.
- This appliance must only be used on a 220-240V AC single-phase power supply.
- Do not perform maintenance until heater has been turned off, power disconnected, and heater temperature has cooled to room temperature.
- Certain materials or items, when stored under or near the appliance, will be subjected to radiant heat and could be seriously damaged. Combustible materials eg. walls, floors, furniture, fixtures and plants must be kept a minimum of 1000mm from the heater.
- Clothing or other flammable materials should not be hung from the heater or placed on or near the heater.
- Be sure the heater is not facing the ceiling or flammable or combustible substances/materials.
- This radiant heater is **NOT** intended to be installed on recreational vehicles and/or boats.
- Do not attempt to alter the unit in any manner.
- This heater may be installed on suitably sized marine craft. When such a marine installation is completed it is the sole responsibility of the consumer, designer and marine installer to ensure the application of the heater and installation complies with all relevant electrical, fire and marine safety codes. Bromic accepts no responsibility for the compliance, safety and suitability of any such installation.
- Remove transit protection before use.
- Never operate the heater in an explosive environment such as areas where petrol or other flammable liquids or vapours are stored.
- Do not paint any surface of the heater.
- Check for damage to the appliance regularly. The heater must not be used if the glass panel or any other part of the heater is damaged. If damage to the appliance is suspected, discontinue use immediately and contact the supplier or qualified person to repair.
- After unpacking, make sure the appliance shows no signs of visible damage or tampering. If the appliance appears damaged, contact the place of purchase for assistance.
- Do not touch the heating surface at any time, even when the heater is turned off and has cooled down.
- Do not touch the heater with wet hands at any time.
- If the appliance has not been used, or will not be used, for a long period of time, disconnect power supply
- At the end of this product's useful life, it must not be disposed of as domestic waste, but must be taken to a collection centre for waste electrical and electronic equipment. It is the user's responsibility to dispose of this appliance through the appropriate channels at the end of its useful life. Failure to do so may incur the penalties established by laws governing waste disposal. Proper differential collection, and the subsequent recycling, processing and environmentally compatible disposal of waste equipment avoids unnecessary damage to the environment and possible related health risks, and also promotes recycling of the materials used in the appliance. For further information on waste collection and disposal; contact your local waste disposal service or the place of purchase.
- In case of direct connection to a supply line, a bipolar circuit breaker with contact opening distance of at least 3mm must be fitted upstream from the supply line. Contact an authorised service technician if you are unsure if you have a circuit breaker installed on the premises.
- Do not install the heater directly near a bathtub, shower or swimming pool. Any switches or controls must not be within reach of a person in the bathtub, shower or swimming pool.
- To maintain Ingress Protection Rating (IPX5), only IP55

IMPORTANT NOTES AND WARNINGS CONTINUED ...

- rated conduit fittings should be used for electrical installation.
- Keep the electrical connection area to the power supply clean.
- This product does not have a switch for electrical disconnection. A means for disconnection of the heater must be incorporated in the fixed wiring according to the local electrical codes.
- This heater is not equipped with a device to control the room temperature. Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.
- Fire Sprinklers must be located at an appropriate distance from each heater to avoid accidental activation of the sprinkler. Ethylene glycol or propylene glycol must never be used in fire sprinkler systems where heaters are present as these substances may become flammable when heated. A fire sprinkler professional must be consulted when heaters are installed where fire sprinklers are present to ensure that heaters and the fire sprinkler system are properly integrated.
- Keep the cable away from sharp edges during handling and installation.
- Avoid physical shock & impact to the heater when handling.
- Do not apply any pressure on the glass surface.
- Ensure that the heating unit is not directly exposed to rain or water contact.
- Do not install or use the heater in any way other than indicated in the instruction leaflet.
- If any part of the instruction manual is missing or damaged, contact Bromic for a complete version.
- If you are unsure of any aspect of the installation, contact Bromic for advice.
- Do not bend the electrical connection to the power supply.
- 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.
- Keep the electrical connection area to the power supply clean.

PRODUCT OVERVIEW

The Platinum Smart-Heat™ Electric is designed to provide efficient spot heating for commercial and residential applications.

The heaters are built with corrosion resistant materials, have electrical approval in Australia, and are rated to IPX5 water Ingress Protection. Making the Platinum Smart-Heat™ Electric the perfect solution for a variety of indoor and outdoor heating applications.

SPECIFICATIONS			
Model		2300W	3400W
Part no.	Black	BH0320011	BH0320012
	White	BH0320013	BH0320014
Heat Output (Watts)		2300W	3400W
Power connection required (Volts/Amps)		220-240V - A.C. - 50/60Hz - 9.6A	220-240V - A.C. - 50/60Hz - 14.2A
Dimensions (WxHxDmm)		33.0 x 7.0 x 2.0"	50.2 x 7.0 x 2.0"
Weight (kg)		16.5lbs	22lbs
Finish		Brushed Stainless Steel 316	
Approval		CE - Intertek: 150501951 SHA-V1	

PRODUCT FEATURES

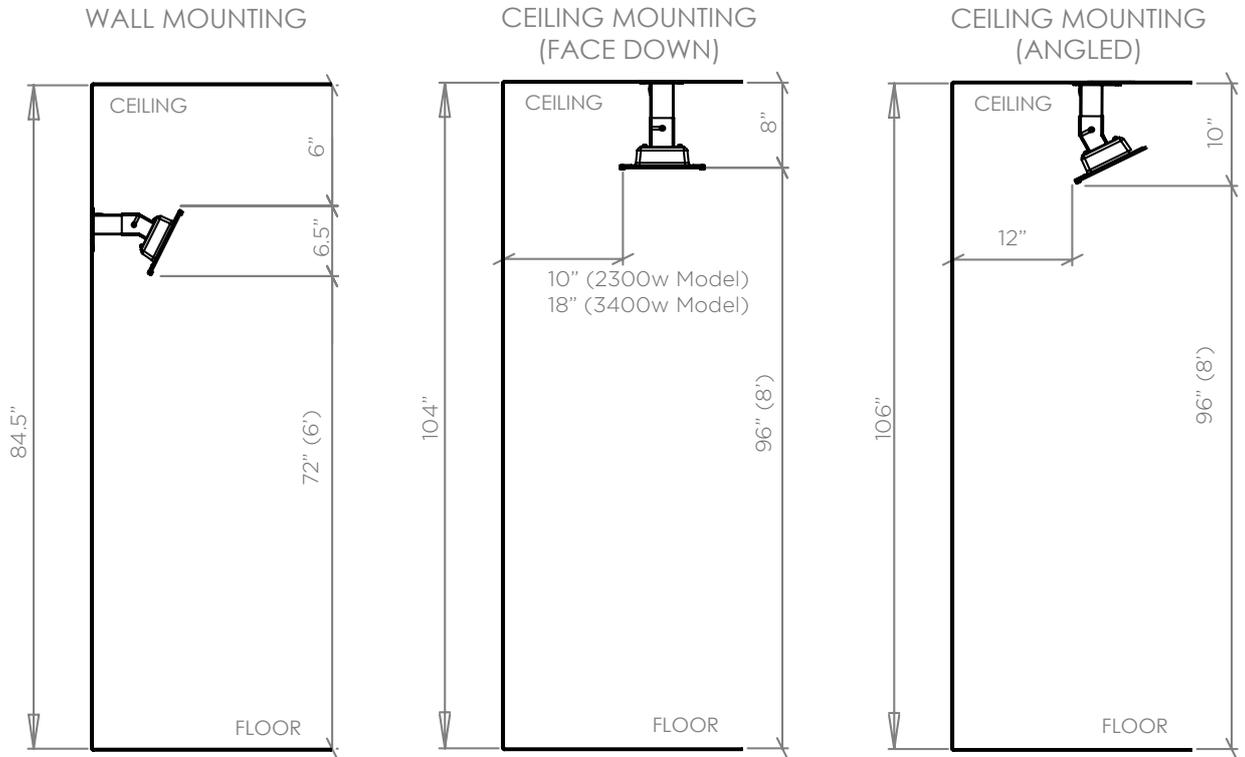
- Ultra-thin and stylish design
- Efficient directional spot heating
- Heat Zones — one or more heaters can be switched on and off simultaneously from a single remote-located switch
- Platinum Smart-Heat™ Electric Heaters can also be integrated into smart control systems
- Wind resistant & IPX5 water protection rating
- Suitable for outdoor and indoor heating applications such as restaurants, cafes, bars and clubs, factories, office spaces, designated smoking areas, public areas, hotels and more
- Standard Mounting - included with heater
- Optional Mounting - purchased separately from heater:
 - Ceiling Recess
 - > 2300W model ceiling recess - BH3130032
 - > 3400W model ceiling recess - BH3130033

HEATING INSTALLATION INSTRUCTIONS

CEILING & WALL MOUNTING

- Heaters must be installed according to the minimum installation clearances shown in these diagrams
- Heaters must be away from the fourth wall.

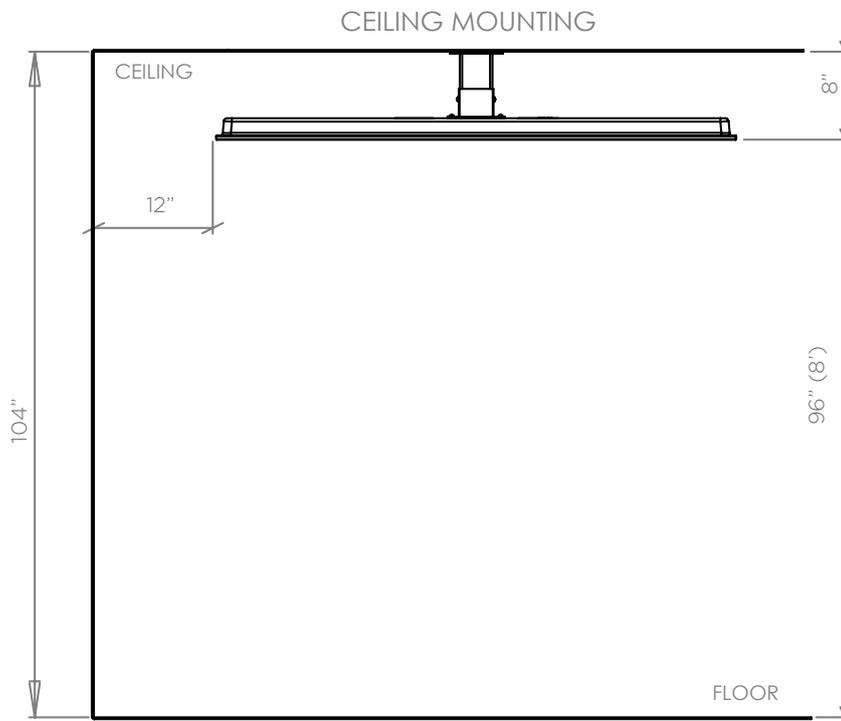
- The stated clearance to combustible materials represents surface temperature of 65°C above room temperature. Building material with a low heat tolerance (such as plastic, vinyl siding, canvas, tri-ply ect.) may be subject to degradation at lower temperature. It is the installer's responsibility to assure that adjacent materials are protected.



WARNING

MINIMUM DISTANCE BETWEEN HEATERS MEASURED FROM EDGE OF HEATER MUST BE AT LEAST 500mm

Note : Additional clearance maybe be required for glass, painted surfaces or other materials which may be damaged by radiant or convection heat. It is the installers responsibility to ensure that adjacent materials are not subject to degradation.



WARNING - Outdoor Installation

This heater **MUST** be permanently installed by an authorised/licenced person. Do not perform maintenance, or carry out installation or assembly procedure while electrical power is switched on. Wait 2 hours after switching off the heater before handling.

WARNING - Outdoor Installation

Ensure that the heating unit is not directly exposed to rain or water contact. For longest product life and to maintain product appearance, mount heater under cover and protect from rain and weather.

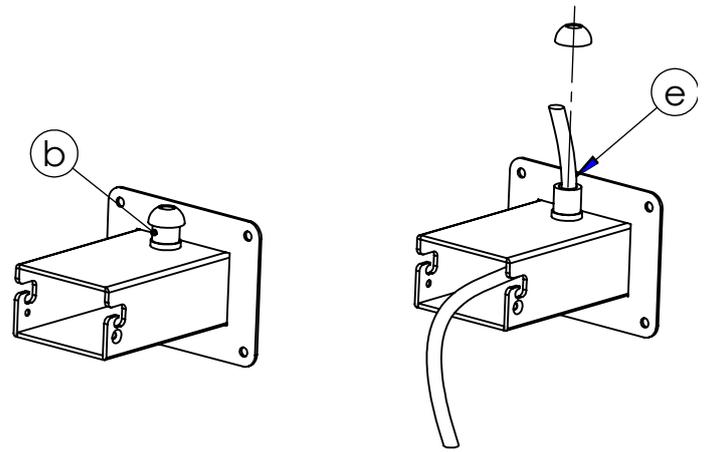
HEATING INSTALLATION INSTRUCTIONS CONTINUED...

OPTION 1

To exit the cable through the side of the wall mounting bracket, start from step 1.

1. Unscrew and remove plug-in wall bracket **(a)**.
2. Attach extra supplied cable gland into the same hole from the outside of the bracket. Fasten in place with the metal cable gland nut from inside the bracket **(b)**.

NOTE: Continue to step 3 below



Optional: Cable exit through wall bracket

OPTION 2

To exit the cable through the wall bracket directly into your ceiling or wall cavity, start from step 3.

3. Attach mounting bracket to ceiling or wall using fasteners appropriate for the surface **(c)**. Ensure the bracket is firmly secured with fasteners in all 4 holes before proceeding. For wall mounting, ensure the silver plug or cable gland **(a)** is facing upwards.

⚠ WARNING: The bracket mounting surface **MUST** be protected from rain. This is necessary to stop water entering the bracket & maintain IPX4 rating.

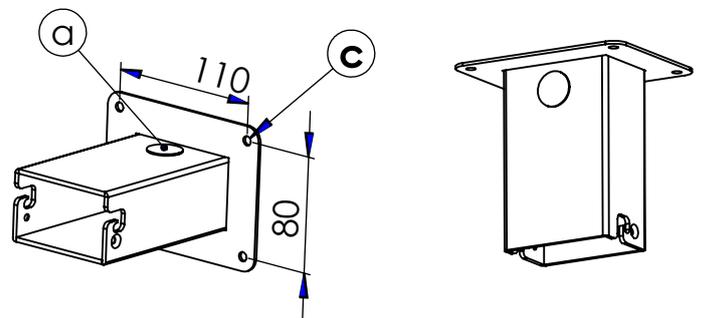
4. Ensure M6x14mm screws are inserted into both sides of heater bracket with 6mm of the threaded shaft exposed under the screw head **(d)**.

5. For cable exit through the side of the wall bracket: feed heater power cable through cable gland in wall bracket **(e)**.

NOTE: This is easier when the top of the cable gland is completely removed when feeding the cable through the bracket. The cap can then be inserted onto the cable for fastening.

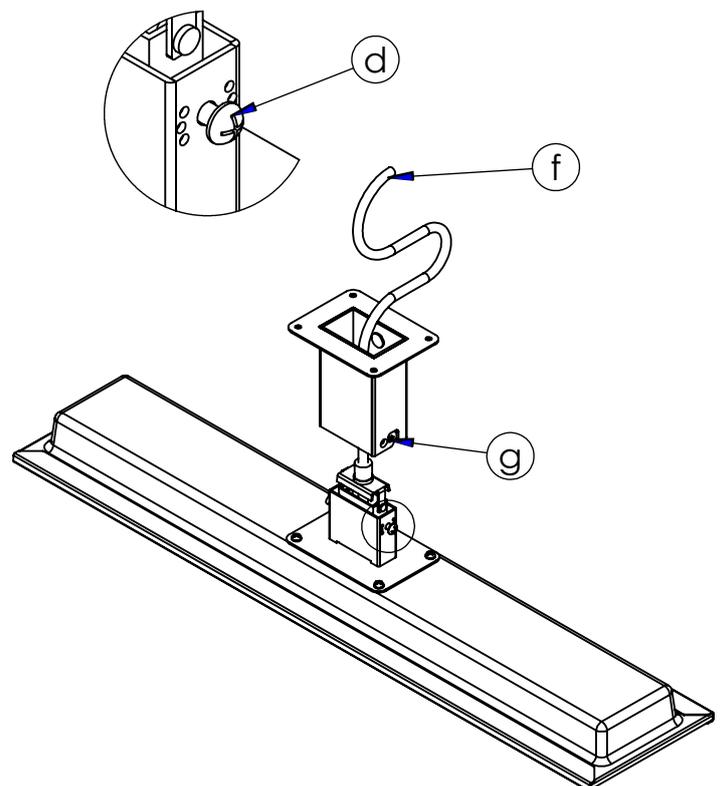
6. For cable exit into the ceiling or wall cavity: make a small hole in the black foam on the bracket mounting surface to pass the cable through. Make electrical connection now or feed cable into wall or ceiling for subsequent connection **(f)**. This is described under 'Electrical Installation' on page 11.

7. Insert heater bracket into mounting bracket by hooking M6 screws into place in mounting slots **(g)**.



Wall mount

Ceiling mount



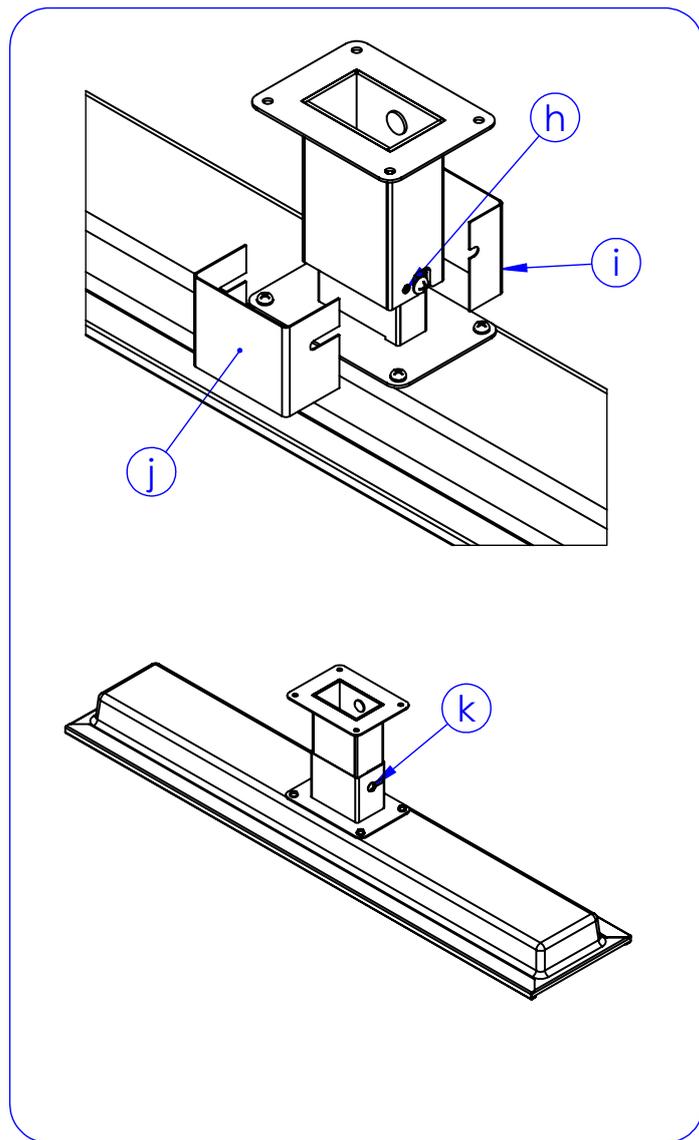
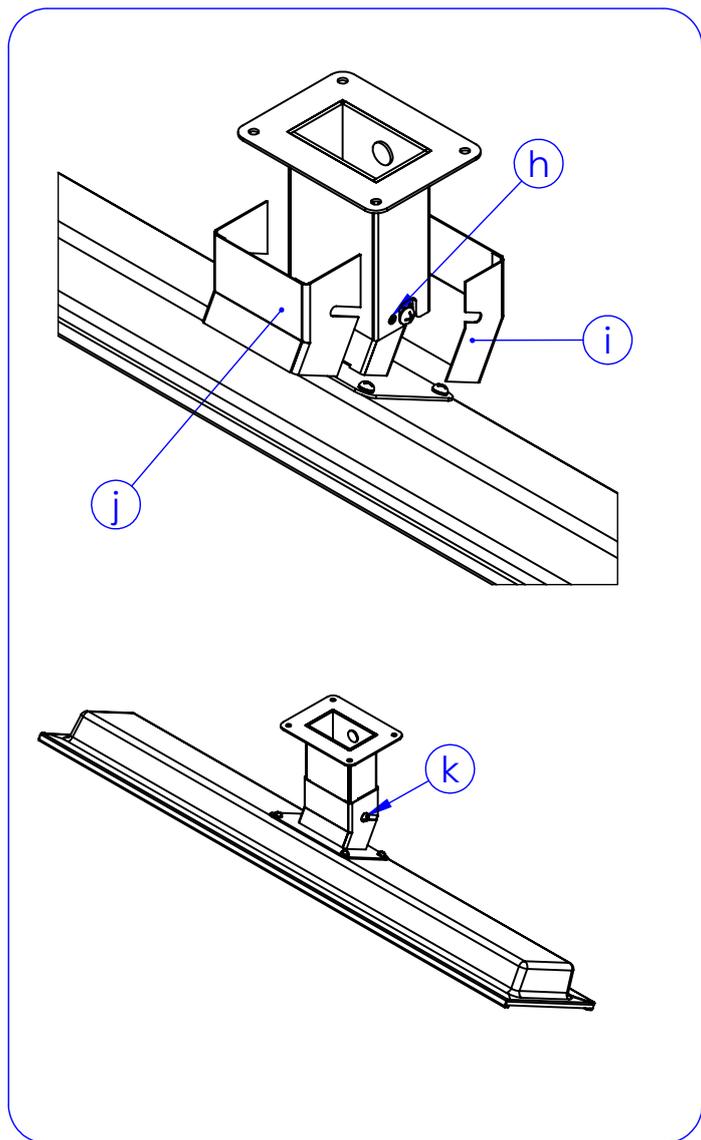
Cable exit into wall cavity

HEATING INSTALLATION INSTRUCTIONS CONTINUED...

8. To fix heater at desired angle, fully insert M3x10mm positioning screws (included with wall bracket) on both sides of mounting bracket whilst holding heater in the desired position **(h)**. The heater can be positioned straight, or be angled 30deg either way.

9. Fit the smaller cover over the heater bracket so that the slots pass over the shafts of the M6x14mm mounting screws **(i)**. Fit the larger cover over the smaller cover in the same way from the opposite side of the bracket **(j)**. Use angled covers if heater is angled. Use straight covers if heater is not angled.

10. Tighten mounting M6 screws firmly, ensuring covers fit snugly against the bracket on all sides **(k)**.



HEATING INSTALLATION INSTRUCTIONS CONTINUED...

CEILING RECESS (SOLD SEPARATELY)

WARNING

Instructions below are suitable for ceiling surfaces 10-30mm thick. For ceiling surfaces thicker than 30mm, contact Bronic for alternative installation options.

WARNING

The heater shall, under no circumstance, be covered with insulating material or similar material.

WARNING

Individual clearances to combustibles are fixed minimums to each individual option and cannot be combined between Option 1 and Option 2

WARNING

In ceiling recess installation, the heater must be completely protected against water contact from above.

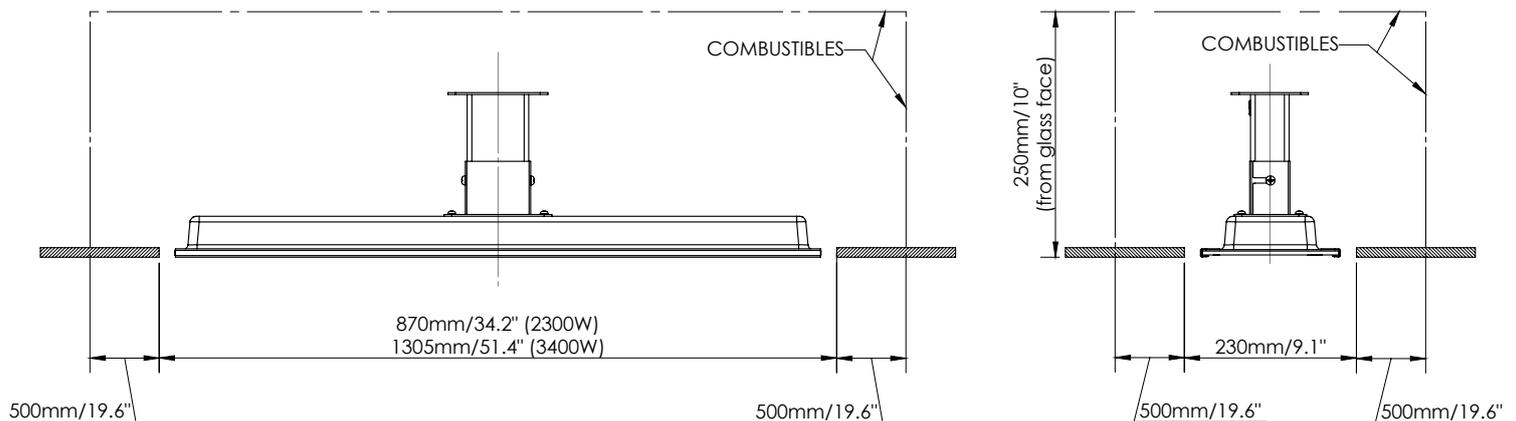
WARNING

Joists, beams and rafters shall not be cut or notched to install the heater.

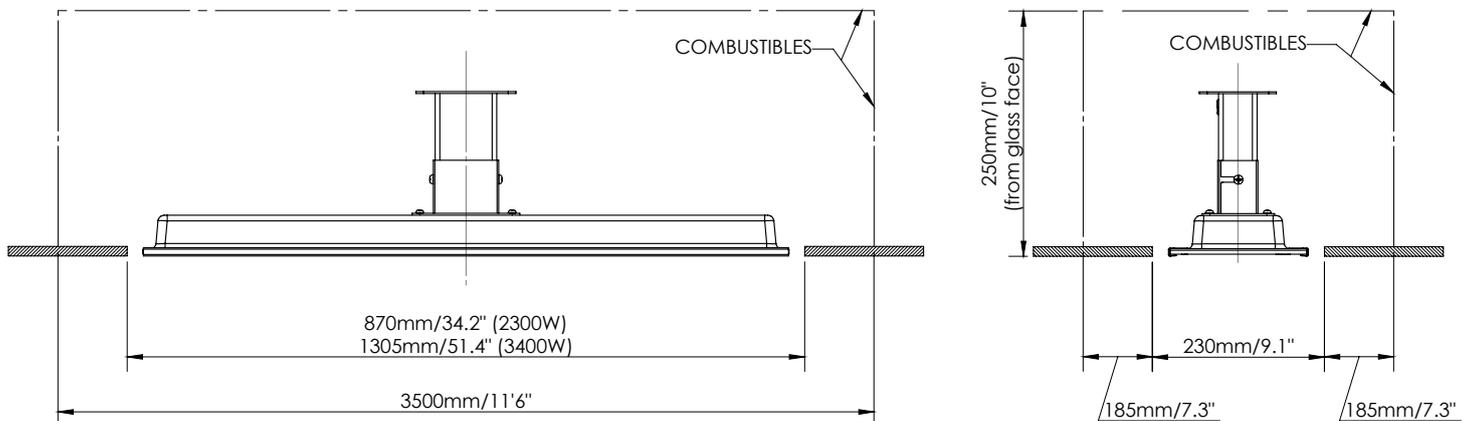
WARNING

MINIMUM DISTANCE BETWEEN HEATERS MEASURED FROM EDGE OF HEATER MUST BE AT LEAST 500mm

CLEARANCE TO COMBUSTIBLES OPTION 1



CLEARANCE TO COMBUSTIBLES OPTION 2



HEATING INSTALLATION INSTRUCTIONS CONTINUED...

1. Prepare ceiling cut-out with dimensions from images on P.9 to fit ceiling recess frame (a). Heater must be installed with heater surface at least 2400mm above the floor level, with 500mm clearance to the nearest wall on all sides of the heater. Minimum distances to combustibles within cavity must be according to **only one** of the two options shown.

2. From below, bring ceiling frame up and into ceiling cutout. Fasten ceiling frame into cut-out at both ends and centre using appropriate screws (b). Which locator hole to use is dictated by the thickness of the ceiling surface. The fastening screws must be inserted into a strong material that can easily support the weight of the heater. Your installation may require re-enforcing before the frame can be safely installed.

3. Unscrew and remove plug-in wall bracket. Attach extra supplied cable gland into the same hole from the outside of the bracket. Fasten in place with metal cable gland nut from inside the bracket (c).

4. Feed heater power cable through cable gland from inside of wall bracket (d).

5. Ensure M6x14mm screws are inserted into either side of heater bracket with 6mm of the threaded shaft exposed under the screw head. (e).

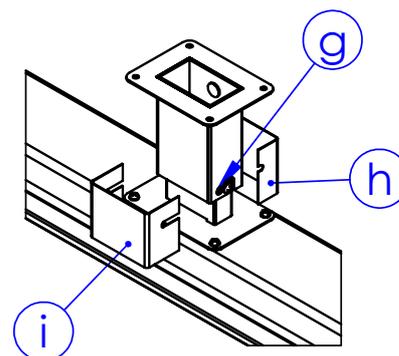
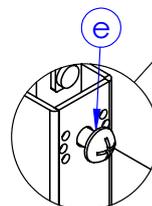
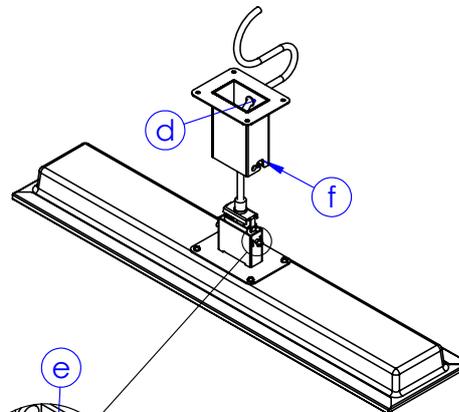
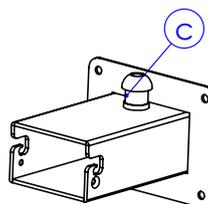
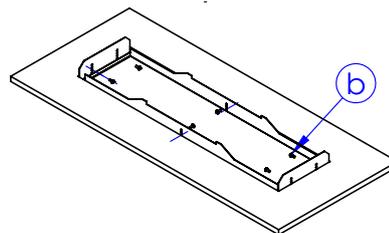
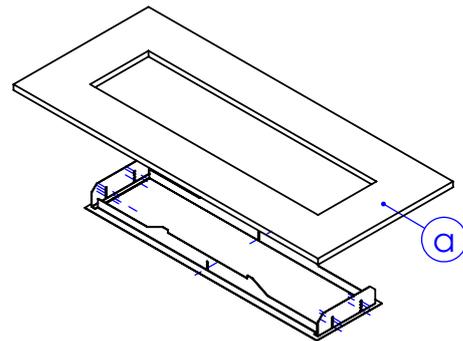
6. Insert heater bracket into mounting bracket by hooking M6 screws into place in mounting slots (f).

7. Fix heater to bracket in straight position using M4x10mm positioning screws on either side of mounting bracket (g). Ensure M6 screws are sitting fully in the mounting slots (as if the heater were hanging from the wall bracket).

8. Fit the smaller, straight cover over the heater bracket so that the slots pass over the shafts of the M6x14mm mounting screws (h). Fit the larger cover over the smaller cover in the same way from the opposite side of the bracket (i).

9. Tighten mounting screws firmly, ensuring covers fit snugly against the bracket on all sides (j).

10. Firmly tighten cable gland in wall bracket so that cable does not move when pulled.



CEILING RECESS (SOLD SEPARATELY)

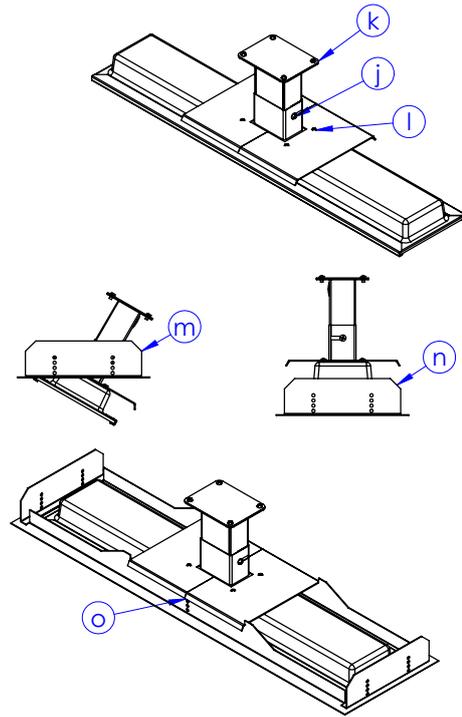
11. Attach the bracket end-cap to the wall bracket using the 4 M5 screws and nuts provided **(k)**.

12. Carefully remove the 4 M5 screws fastening the heater mounting bracket to the back of the heater. Be careful not to move or put any force on the bracket. Place the 2 halves of the ceiling recess mounting plate over the screwholes. Re-insert the screws & tighten firmly. **(l)**

13. Make electrical connection from heater to power supply. This is described under 'Electrical Installation'

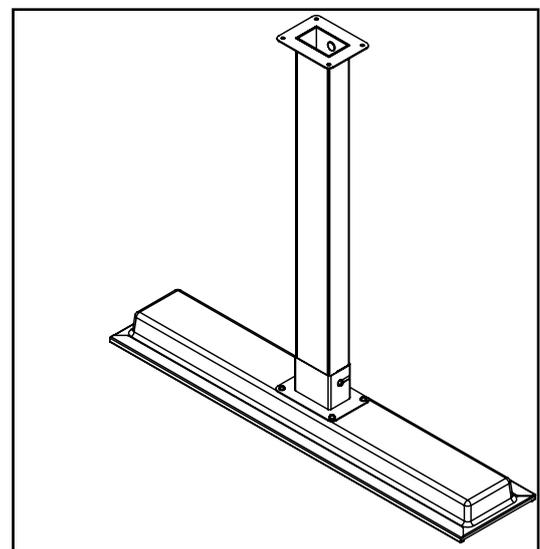
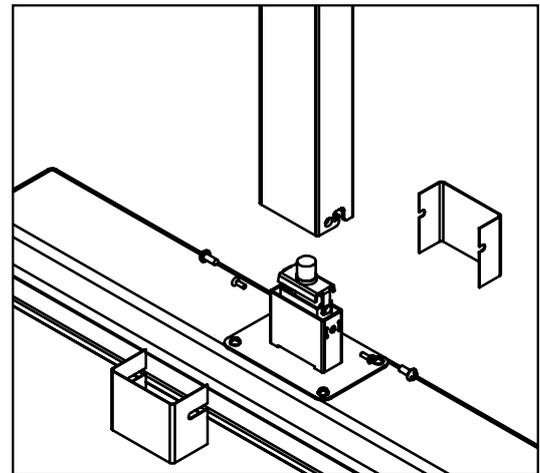
14. Raise one long side of heater up into ceiling frame cavity & then raise whole heater into cavity. **(m)**

15. Rotate the heater into level position in the ceiling cavity **(n)** and then lower down onto the ceiling frame. Ensure the heater brackets are hooked over the ceiling frame and sitting in the slots on both sides. **(o)**



TUBE SUSPENSION

- Heater must be installed with heater surface at least 94" above the floor level.
- Installation is identical to 'Ceiling & Wall Mounting' above.
- Use ceiling bracket (sold separately) instead of mounting bracket supplied with heater.
- Ceiling pole only suitable for ceiling mounting. Do not wall mount.



ELECTRICAL INSTALLATION

WARNING

This heater **MUST** be permanently installed by an authorised/licenced person. Do not perform maintenance, or carry out installation or assembly procedure while electrical power is switched on.

WARNING

ELECTRICAL SHOCK HAZARD! Serious injury or death may occur. Disconnect from electrical supply before installing or servicing this heater. Read and follow installation clearance requirements outlined in this manual. The appliance MUST be connected to a properly grounded electrical source.

For wiring instructions using Bromic Platinum Smart-Heat Electric Wireless Dimmer BH3130020-1 or ON/OFF Control BH3130019-1 refer to instructions provided with controller.

IMPORTANT: Electronic dimmer controls generate heat during operation. For Bromic heaters installed Bromic Smart-Heat Electric Wireless Dimmer BH3130020-1 or ON/OFF Control BH3130019-1 it is essential to ensure dimmers are mounted in a clean, dry and well ventilated position with clearance on all sides. It must be ensured the dimmers are not installed in a confined space, close to other heat generating appliances or in the case of a multi-dimmer installation, not too close together. Dimmers must remain cool at all times. Please consult Bromic dimmer installation instructions for further details or for further questions please contact Bromic technical support services.

ELECTRICAL INSTALLATION

1. Check product label for correct voltage and wattage to ensure sure power source conforms to the heaters requirements.
2. Use appropriate power supply cables for the heaters' voltage and wattage. The fixed wiring must be positioned away from & protected from the enclosure of the heater.
3. Make all connections in accordance with local electrical code regulations. For outdoor installation, all connections must be made in accordance with local electrical code regulations for outdoor wiring. Only use wiring components approved for outdoor use with minimum IPX5 rating.

SERVICING

WARNING

ELECTRICAL SHOCK HAZARD! Serious injury or death may occur. Disconnect from electrical supply before servicing this heater.

WARNING

Servicing and maintenance MUST be carried out by an authorised and licenced service person only.

WARNING

If the supply cord is damaged, it must be replaced by Bromic, a service agent of Bromic or similarly qualified persons in order to avoid a hazard. Contact Bromic for further information on replacement of the supply cord.

MAINTENANCE

For longest product life, and to maintain product appearance, mount heater under cover and protect from rain and weather whenever possible.

The exterior housing of the heater should be cleaned regularly. To clean the appliance; ensure heater is off, and has been off for at least 2 hours after operation, before wiping off any dirt/dust with a soft damp cloth.

Salt in the air can cause rusting of metal, especially at locations near the coast. Additional cleaning of the heater with a soft damp cloth fortnightly will aid in maintaining the product's appearance.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE (S)	CORRECTIVE ACTION
No heat	1. Improper connection	1. Check connection to power supply
Not enough heat	1. Heater too small for application 2. Heater mounted too high or too far	1. Add additional heater(s) 2. Decrease mounting height or distance
Too much heat	1. Heater too large for application 2. Heater mount too low or too close	1. Replace with smaller heater 2. Increase mounting height or distance