

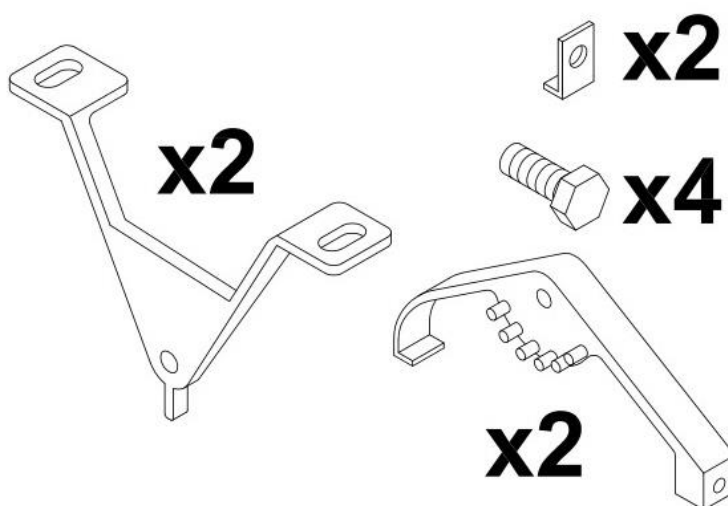
LUCCI THERMASTRIP

- **INSTALLATION**
- **OPERATION**
- **MAINTENANCE**
- **WARRANTY INFORMATION**

CAUTION
**READ INSTRUCTIONS CAREFULLY FOR SAFE
INSTALLATION AND HEATER OPERATION.**

Parts List

- Remove all packaging material from the product and be careful not to throw any accessories.
- Take care not to pull any electrical wires during unpacking as this may damage the connection.
- Lay out all the components on a smooth surface and make sure there are no components missing.
If parts are missing, return the complete product to the place of purchase for inspection or replacement.
- Check whether the fitting has been damaged during transport. Do not operate/install any product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement



Product Overview

Why choose THERMASTRIP electric radiant heaters for your outdoor or hard-to-heat indoor area?

As there is typically constant air movement in an outdoor or open indoor area, many conventional patio heaters rely on convection heating which works by heating the surrounding air. This can be quite impractical for these areas, as this heated air can easily blow away with natural air movement. Radiant style heaters transfer heat directly to objects through infra-red waves.

Whilst convection heaters heat the air in between objects, radiant heaters heat the surface of the objects themselves.

THERMASTRIP electric radiant heaters are more effective within an outdoor or uninsulated indoor area because they provide targeted warmth directly to the people and objects in their path.

Discrete, stylish heating for undercover outdoor and indoor open areas

Using the radiant heating principle, THERMASTRIP can provide effective and energy efficient comfort heating for undercover outdoor and indoor open areas. THERMASTRIP has successfully enabled many entertainment venues such as restaurants, pubs and clubs to utilise their outdoor dining areas day and night, through all seasons. Within your workplace or business, THERMASTRIP can provide comfort heating for designated outdoor smoking and leisure areas, as well as for workstation spot heating in factories, warehouses and showrooms. Within your home, THERMASTRIP can provide comfort heating for undercover alfresco dining and BBQ areas, patios, verandas, courtyards and balconies.

Subtle, minimalist design

The stylish, slimline black face of the THERMASTRIP does not emit light or glow when in use, blending elegantly into your décor. Ceiling, wall and umbrella mounting options ensure that your valuable floor and table space is not wasted.

APPLICATION	
Indoor insulated areas, classrooms, offices, bathrooms, wet areas, drying rooms	✓
Outdoor under cover, cafe, veranda, patio, balcony, height 2.7m or less	✓
Outdoor under cover, cafe, veranda, patio, balcony, ceiling height 2.7m or more	X
Highly exposed outdoor area	X
Indoor open area, warehouse, factory, production areas, sports facilities	✓
Indoor spot heating, above tables, assembly areas	✓

Efficient, Cost Effective Electric Heating

The innovative design of the THERMASTRIP enables comfortable and even heat dispersion from the surface with minimal operating costs.

Design flexibility

Four THERMASTRIP models are available, ensuring the heating requirements of any undercover outdoor or open indoor area is possible. Brackets for direct ceiling or wall/ceiling angled mounting are supplied as standard. Optional THERMASTRIP accessories include beam and extension mount brackets.

Minimal maintenance

The THERMASTRIP incorporates no internal moving parts ensuring quiet and virtually maintenance free operation.

Australian made

Designed, engineered and assembled in Australia the THERMASTRIP, is fully backed by a 24 month warranty.

Stylish design— *The Heater that is a Design Feature!*

The attractive THERMASTRIP comes with a standard black face and anodised alloy rear casing.

Easy to use

The standard THERMASTRIP is controlled by a simple on/off operation, either when plugged directly into a power point, or hard-wired via a wall mounted on/off switch. The unit takes approximately 15 minutes to heat up to the maximum temperature and approximately 30 minutes to cool down, depending upon the ambient temperature. Please don't forget to turn it off.

We recommend installing your THERMASTRIP with a timer controller to ensure the unit is turned off after a pre-set time.

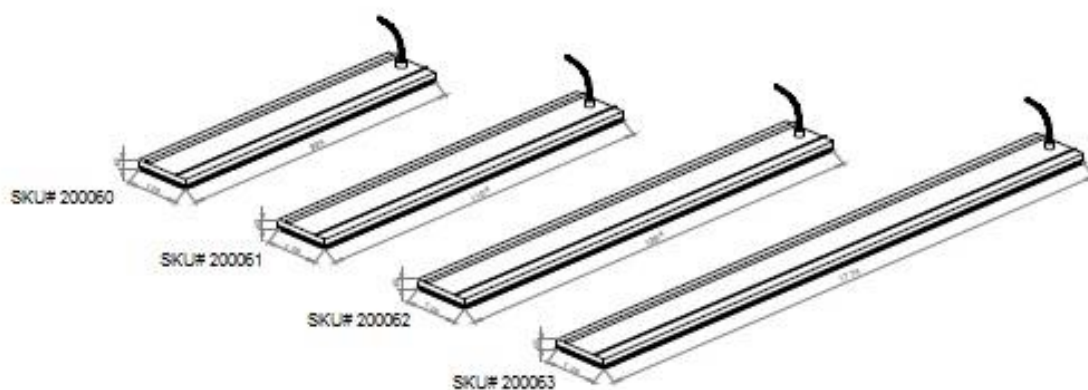
THERMASTRIP recommends SKU 200064 controller (not included), which includes a timer function and temperature control.



Specifications Australia

MODEL	POWER (WATTS)	CURRENT (AMPS)	DIMENSIONS (mm)	WEIGHT (Kg)	LEAD LENGTH (mm)	PLUG
200060	1500	6.3	924 x 165 x 48	5	1000	YES
200061	1800	7.5	1104 x 165 x 48	5.5	1000	YES
200062	2400	10	1364 x 165 x 48	6	1000	YES
200063	3200	13.3	1774 x 165 x 48	8	1000	NO

MODEL		
HEATER TYPE	High intensity electric radiant overhead heater with high surface area profiled alloy	
OUTPUT	Refer to model code chart above	
POWER	230-240 Volts Nominal at 50—60 Hertz, Single Phase	
CONNECTION	3 Core Cable 2.5mm ²	
APPROVALS	AUSTRALIA/NZ	
MOUNTING HEIGHT	MINIMUM RECOMMENDED MAXIMUM	2.1 m 2.3 m to 2.5 m 2.7 m (For higher ceiling heights, units can be lowered using optional bracket kits)
MOUNTING OPTIONS	Suitable for ceiling, wall, beam, fixed umbrella and recess mounting. Also available for extension mount using rigid fixing poles and chain mount bracket.	
PROTECTION RATING	IP55 Protection from water ingress from all directions	
COUNTRY OF MANUFACTURE	Australia	



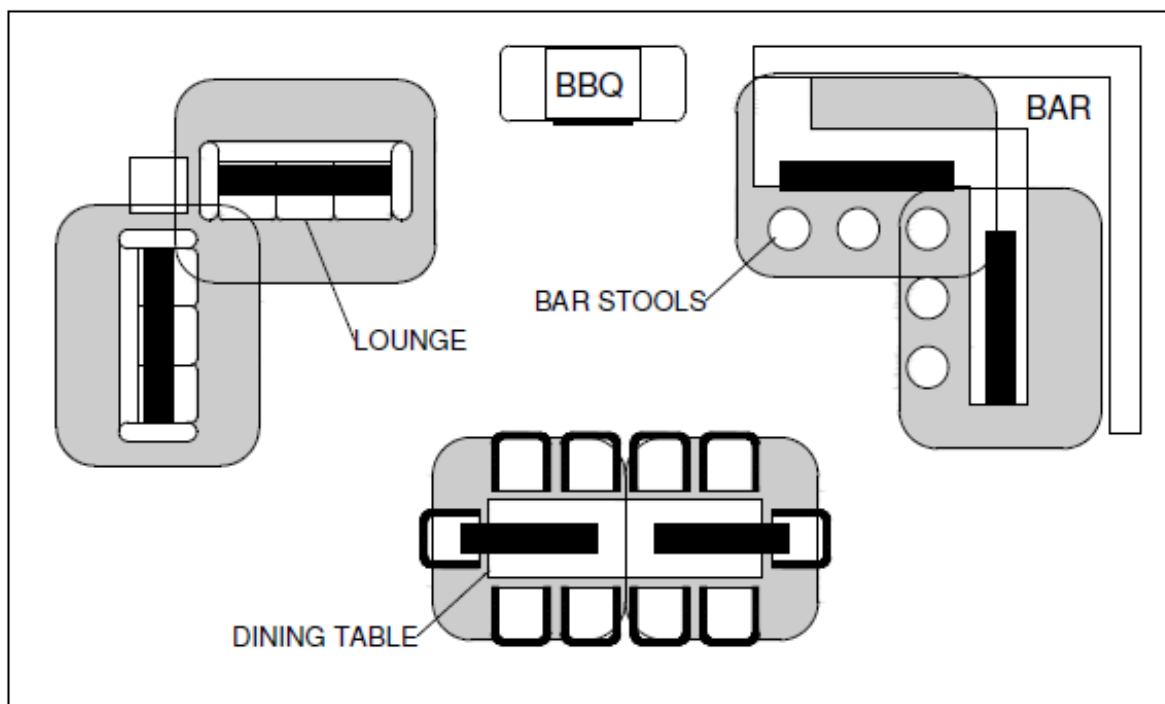
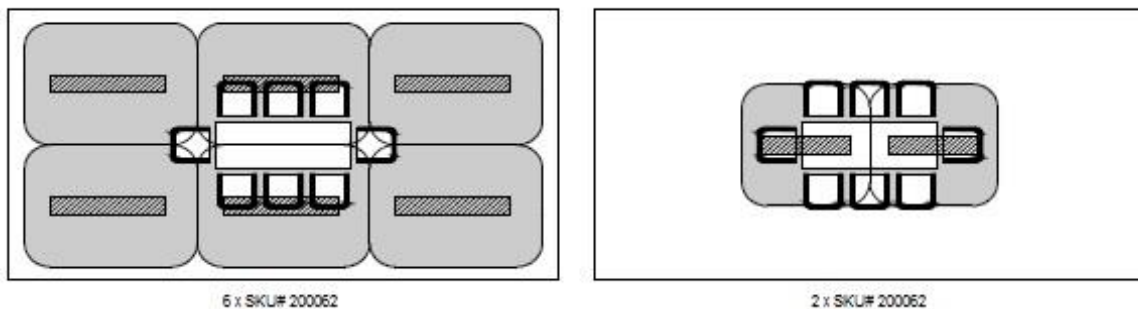
Spot Heating Principle

In most outdoor or difficult-to-heat indoor applications, there are 2 options when looking at the size and quantity of the heater required. Option 1 is to comfort heat the entire area based on the total dimensions of the space, regarding of whether the entire area is being fully occupied. Option 2 is to spot heat the high use areas, such as over outdoor tables, BBQ's, lounges, assembly lines or indoor workstation.

Often it is more practical and efficient to spot heat these areas. Spot heating will help to reduce the initial capital cost, as well as the running costs. Spot heating will allow the area to be "zoned", meaning heating only the areas that are being used, such as tables in a restaurant or outdoor alfresco area.

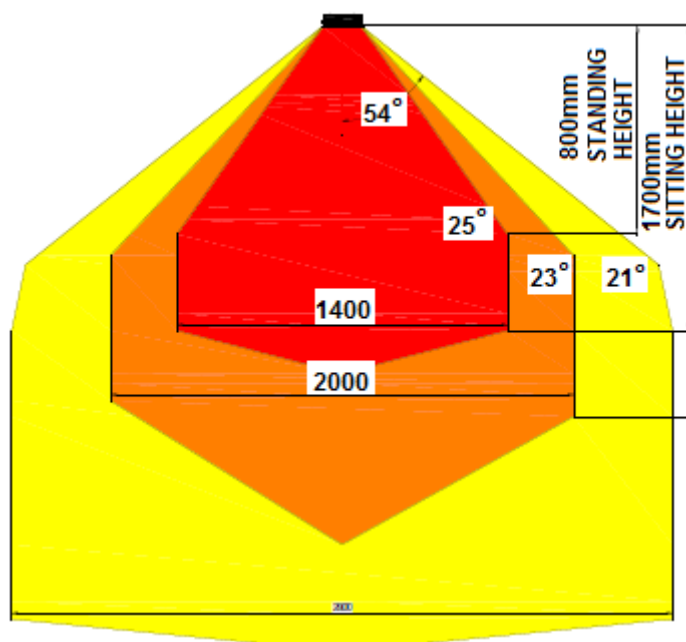
The top table shows a comparison between spot heating over a table, or heating an entire area.

The bottom table shows the flexibility of using THERMASTRIP to provide a comfortable environment, even when the layout of the area is very unusual.



Radiant Footprint

THERMASTRIP electric heaters produce radiant heat which heats objects rather than the air. Therefore, it is imperative that objects to be heated (ie. people), are within the direct radiant footprint of the heater. The diagram to the right shows the radiant footprint of THERMASTRIP and is an approximate guide based on a fully enclosed, outdoor environment. This diagram shows that the maximum heat output is found directly under the heater, and the temperature decreases as you move away from the heater. It highlights the importance of maintaining recommended mounting heights, and if possible, positioning the heater directly above the area to be heated. Also, the temperature (ie. surface temperature) is the same for all 4 models, regardless of the wattage. However, as the size increases and the length of the unit increases, the radiant footprint will be larger.



The below diagrams show the approximate heating area for each model, based on both an indoor and outdoor enclosed environment, with direct overhead mounting. Radiant footprint is reduced in angled, wall mounted applications.

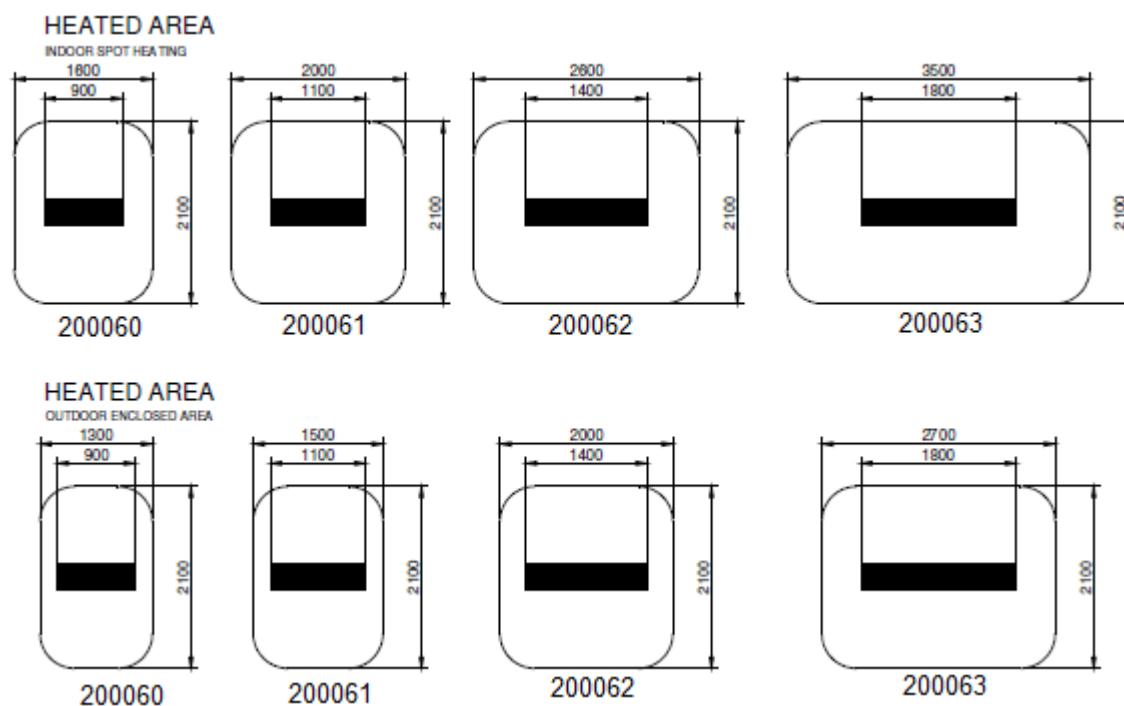
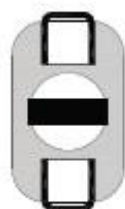


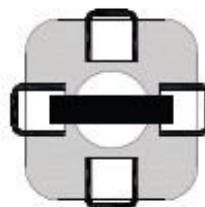
Table Layout

For the majority of outdoor applications, the most effective method is to spot heat a table or similar area. The below diagrams provide an easy selection guide for the approximate model and quantity of heaters required to heat common residential table settings.

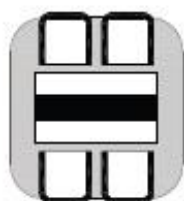
Selections are based on THERMASTRIP being mounted at 2.4m from the floor and an undercover fully enclosed outdoor area.



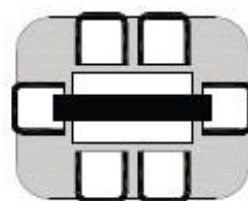
SKU# 200060



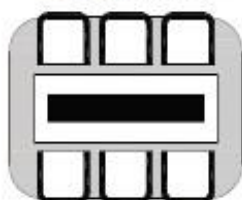
SKU# 200062



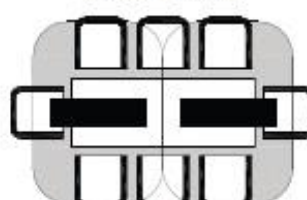
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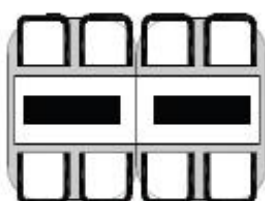
SKU# 200063



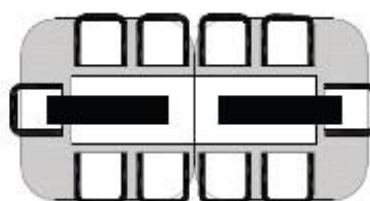
SKU# 200063



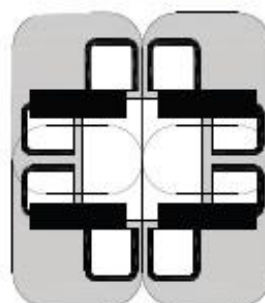
2 x SKU# 200061



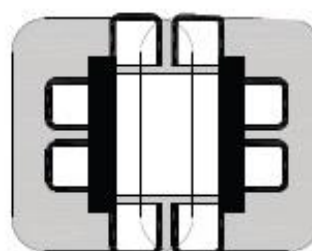
2 x SKU# 200061



2 x SKU# 200062



4 x SKU# 200061



2 x SKU# 200063

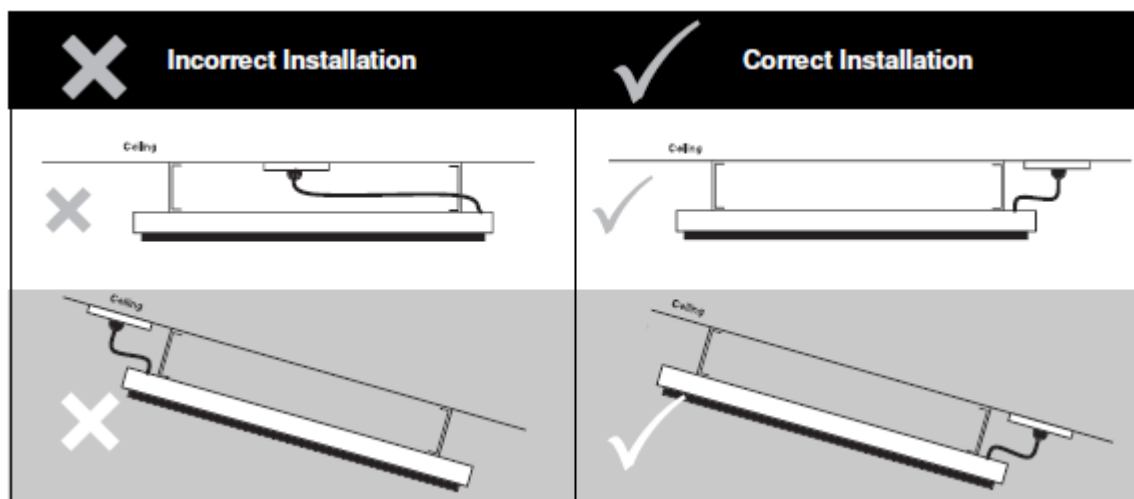
Installation Requirements

The ideal mounting position for the THERMASTRIP is on the ceiling, directly above the area to be heated. If this is not possible, THERMASTRIP can be mounted on a wall and angled downwards. In this situation, ensure the mounting height is in the range of 2.1m to 2.7m and the table is within 2.5m of the wall.

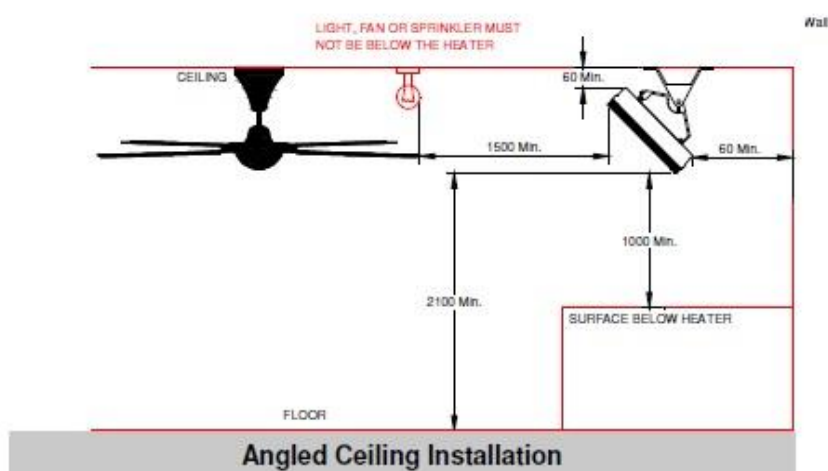
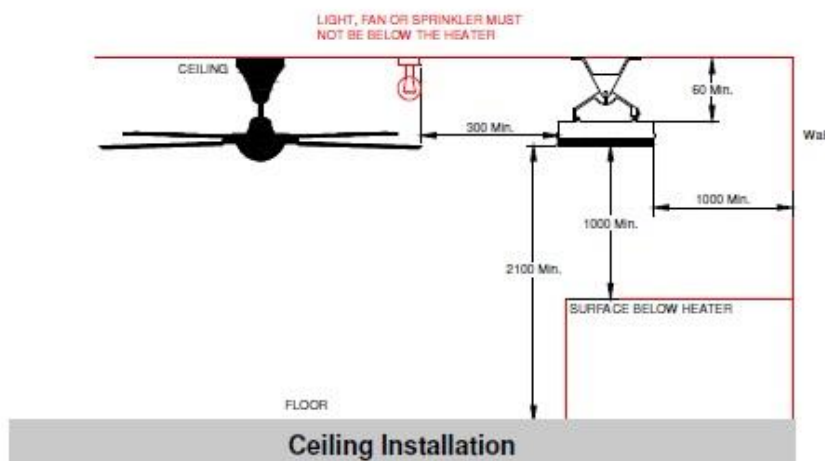
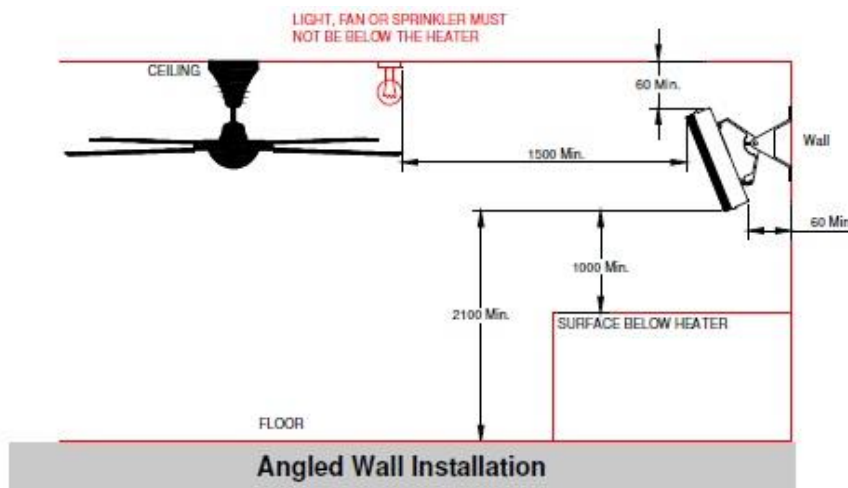
For mounting heights more than 2.7m, we recommend the use of the optional accessories to reduce the height of the heater to 2.3m—2.5 m. This will increase the effectiveness of your THERMASTRIP. Refer to the Mounting Accessory section for more information.

Electrical connections/GPO's should not be located at the back of the heater. They should be located outside the physical footprint of the units to minimize heat build-up behind the units.

If the heater is to be mounted on an incline (e.g. Vaulted ceiling), ensure the electrical connection is located at the lowest point of the heater.



Installation location — the below diagrams confirm the minimum recommended clearances.

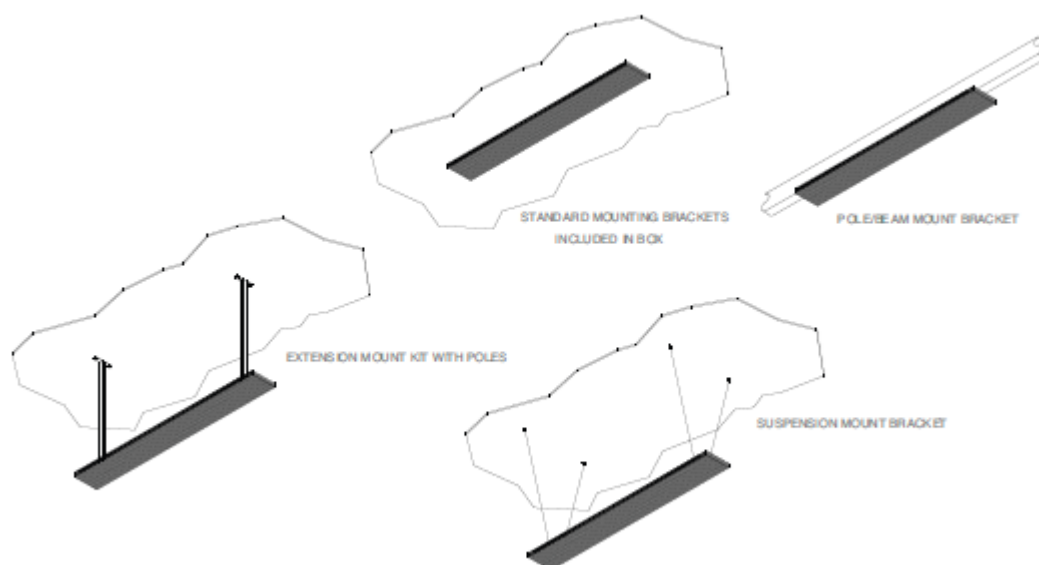
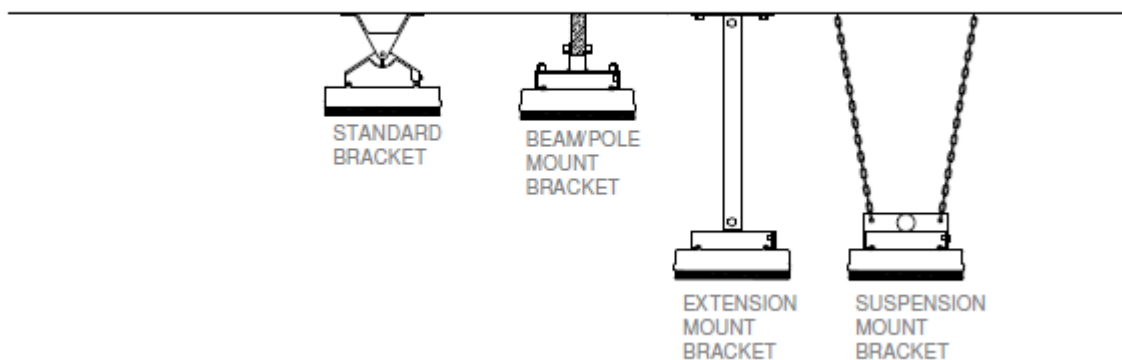


Mounting Options

The installation of THERMASTRIP is simple and easy with the standard mounting brackets supplied. For other more challenging locations there are a range of mounting options available - refer to below diagrams.

The THERMASTRIP can be mounted directly to the ceiling, angled downwards on a wall; attached to beam/pole; extension mounting bracket or suspension mounting bracket. Refer to the following pages for more detailed information on each mounting option.

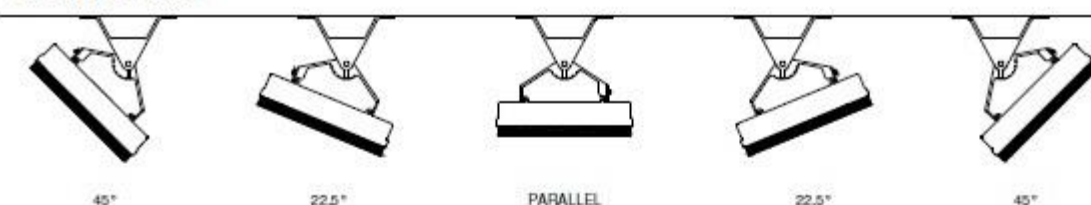
CEILING



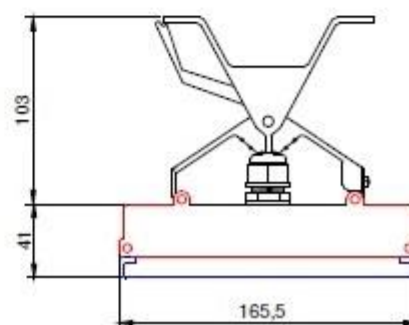
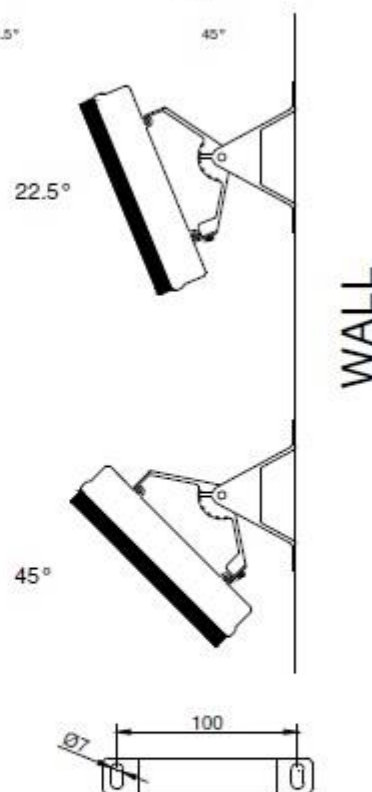
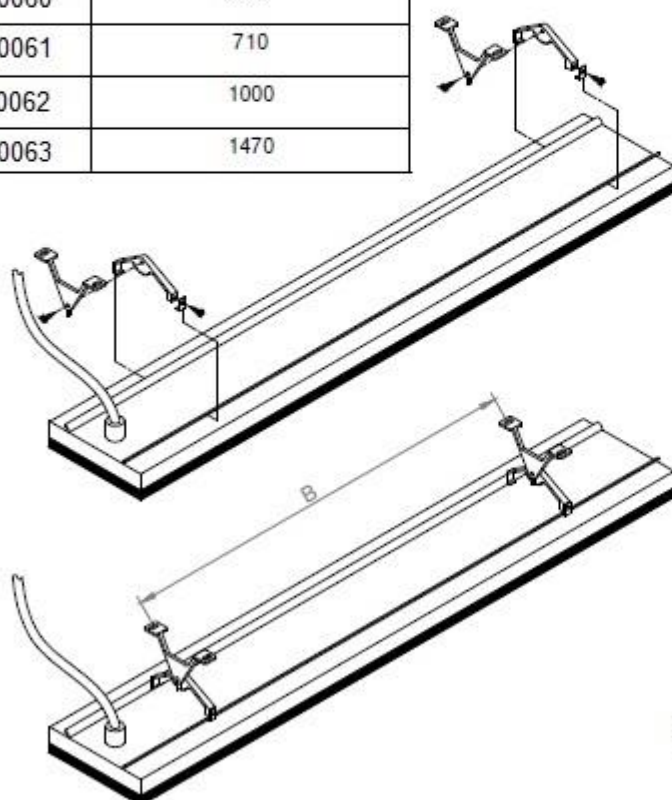
Standard Mounting Brackets

The THERMASTRIP comes with a pair of standard mounting brackets. These adjustable brackets allow direct ceiling or wall mount and come with preset angle options of parallel, 22.5° and 45°

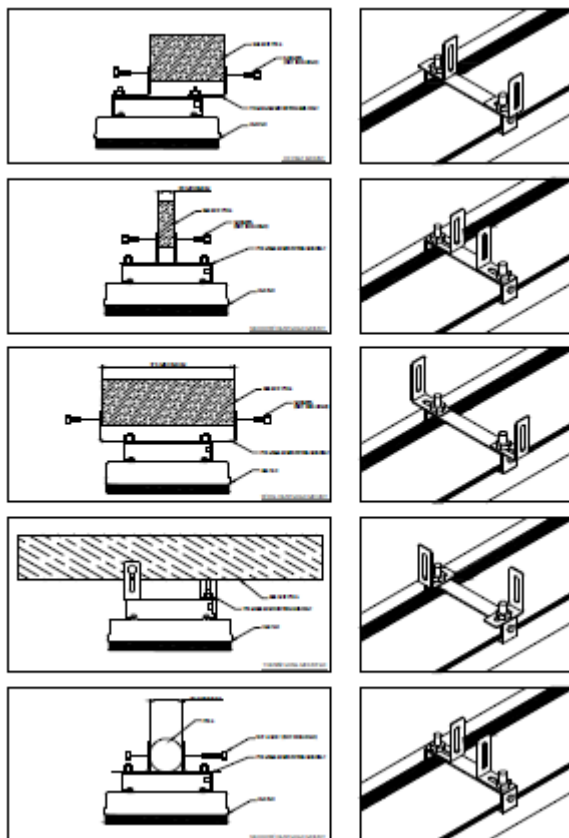
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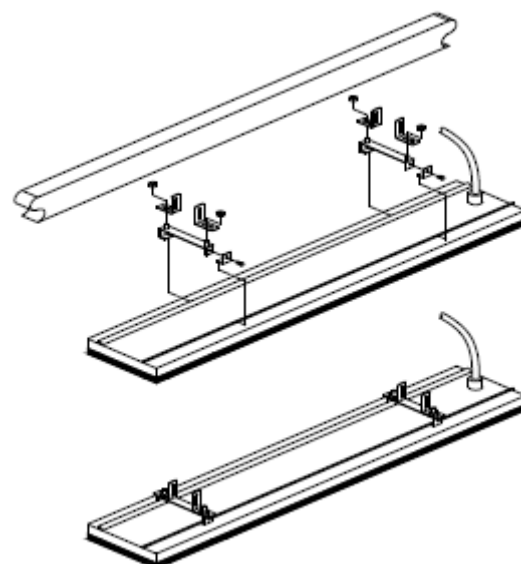
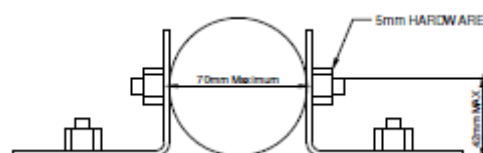
MODEL	"B" MINIMUM DISTANCE (mm)
200060	550
200061	710
200062	1000
200063	1470



Pole/Beam Mounting Kit



The optional Pole/Beam mounting bracket kit can be used to mount THERMASTRIP onto wooden beams, rafters, poles, umbrellas struts etc.



Screws for connection to the beam or pole are not included.

Minimum pole diameter 20mm.

Maximum pole diameter 70mm.

This mounting option is suitable for umbrella struts.
The beam/pole can be placed directly on top of the mounting bracket. No clearance is required from the top bracket to the bottom of beam/pole.

PART No	PACKAGED DIMENSIONS (mm)	WEIGHT (kg)	MATERIALS
200065	150 x 150 x 50	0.5	316 SS

Suspension Mount Bracket

The optional Suspension Mount bracket provides an easy and effective option for lowering the THERMASTRIP from high ceilings.

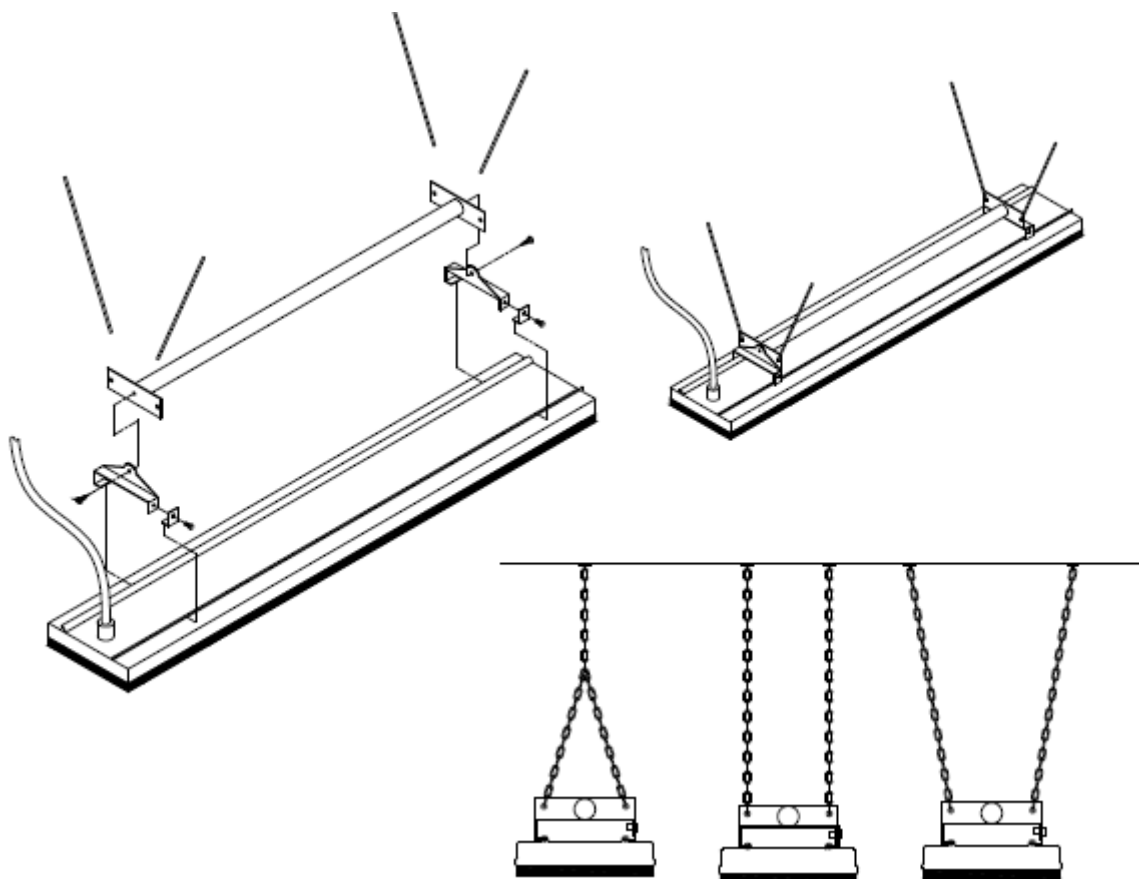
If the ceiling height is more than 2.7m in an enclosed outdoor environment, or

2.5m in an exposed site, it is recommended to lower the heaters to an ideal mounting height of 2.3m—2.5m.

The bracket is designed to be used with chains or wires.

There can be multiple chain/wire arrangement options, as per the below diagram.

Note: Suspension chain/wire are not supplied with the suspension mounting bracket.



SUITABLE FOR MODELS	PART No	PACKAGED DIMENSIONS (mm)	WEIGHT (kg)	MATERIALS
200060 200061	200066	300 x 150 x 50	1	316 SS
200062 200063	200067	1200 x 120 x 50	2	316 SS

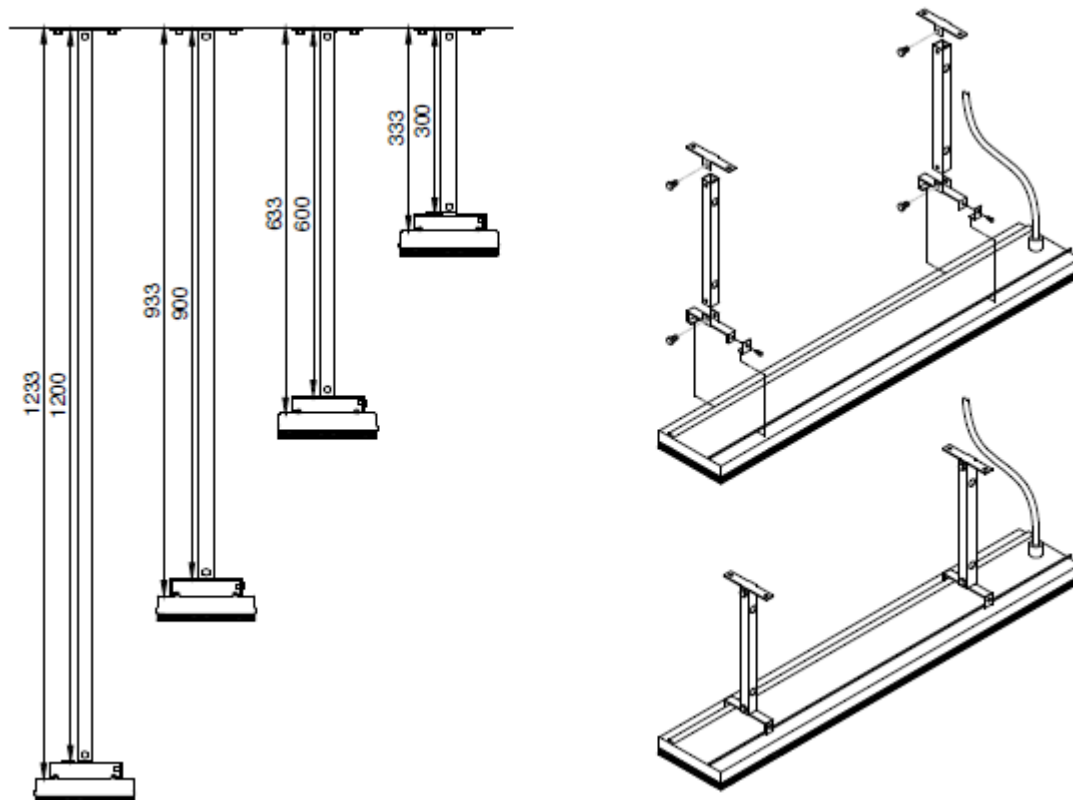
Extension Mount Bracket

The optional Extension Mount bracket allows THERMASTRIP units to be lowered from high ceilings, using rigid connections.

The brackets are for use with 25mm x 25mm x 1mm tube (SHS), and can be supplied as brackets only for customising the length of the drop on site; or supplied as a complete kit with brackets, pre-cut poles and connections.

The standard length options as part of the kit are 150mm, 300mm, 600mm and 1200mm.

The kits include all brackets, poles and screws necessary for connection to the heaters, however it does not include screws for attachment to the ceiling.



PART No	PACKAGED DIMENSIONS (mm)	WEIGHT (kg)	MATERIALS	NOTES
200068	150 x 150 x 50	1	316 SS	Brackets only (for use with 25x25x1mm tube)
200069	300 x 150 x 50	2	316 SS	Kit includes 2x300mm extension pole, screws and brackets
200070	600 x 150 x 50	2	316 SS	Kit includes 2x600mm extension pole, screws and brackets
200071	900 x 150 x 50	2.5	316 SS	Kit includes 2x900mm extension pole, screws and brackets
200072	1200 x 150 x 50	3	316 SS	Kit includes 2x1200mm extension pole, screws and brackets

THERMASTRIP Wall Controller

The THERMASTRIP can be controlled via a simple on/off wall mounted switch, however it is recommended to use a controller with a variable heat modulator and a timer, to give the best performance and lowest running cost.

SKU 200064 wall controller

This optional wall controller is a custom designed and manufactured controller for THERMASTRIP. It has been designed for ease of use and low running costs of your heater. It provides both temperature control (allowing the user to turn the heat output up or down depending on the ambient temperature and conditions) and a timer for automatic heater operation. The countdown timer function has four settings. It can be 1 hour, 2 hours or 4 hours or constantly on. This is ideal when continuous heat is not required. For example a BBQ, alfresco areas, restaurant dining, assembly line production etc. It is simple to use, just press the time button and it will switch on, press again and it will be 1 hour. After one hour the heater will switch off. Depending on the ambient temperature, there may be a requirement to control the operation of the heater (standard on position is at full power and temperature). The controller has 3 settings, they are High, Medium and Low. The controller allows a combination of the multiple timer (1/2/4 hour) and heat outputs (High/Medium/Low). The default operation is continuous operation at full temperature.



Controlling multiple units

It is possible to use one wall controller to control multiple heaters.

The wall controller is rated at 15 Amps and 240 volts.

For larger current draw, it is recommended that you talk to your electrician who can use a time delay relay to connect more units.

The controller needs a minimum of 250W on the load before it starts working.

If connecting multiple units ensure one unit is connected directly to the controller and the others are connected using a contactor or relay.

Thermostat controllers

Thermostat controllers are NOT recommended. The temperature sensor for this type of controller is usually measured by the air temperature. The THERMASTRIP is a radiant heater where objects are heated, not the air. In open indoor or outdoor areas, it is very difficult to contain warm air within the space and therefore accurately measure air temperature. This may result in unnecessary, continuous operation of the unit.

Dimmers

The use of dimmers with the THERMASTRIP is NOT recommended.

Please refer to the Product Installation Manual for more detailed product data.

MODEL	MAXIMUM VOLTAGE (Volts)	MAXIMUM CURRENT (Amps)	PACKAGED DIMENSIONS (mm)	WEIGHT (kg)
200064	240	15	140 x 90 x 60	0.5

Safety

THERMASTRIP has an IP rating of 55. This means it is safe for water ingress from all directions. The THERMASTRIP can be safely hosed down. Do not use high pressure water to clean heaters, light water spray only.

Please refer to the maintenance section in this instruction manual.

THERMASTRIP has undergone extensive testing both in laboratory conditions, the manufacturing facility in Melbourne and field trials in Australia and overseas. It has been this testing that gives the purchaser the confidence of a high quality product.

Independent laboratory testing has confirmed full compliance with Australian and other International Standards.

This includes CE, AS/ANZ, UL/CSE

The heater comes in both plug (1500W, 1800W, 2400W) and hardwired (3200W) versions. In both cases the fixed wiring must be installed by a licensed electrician in accordance with the relevant wiring regulations.

The THERMASTRIP is Class 1 equipment and must be earthed.

In operation, this heater is VERY HOT— do not touch any part of the heater while it is turned on. Do not touch any part until 30 minutes after it is turned off.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or intellectual capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.

Do not allow any cables, furnishings, flammable materials or other items come in contact with any surface of the heater.

If installed in wet areas, the heater switches or controls must be located so that they cannot be touched by persons in the bath or shower.

The heater needs to be installed as per the installation instructions paying special attention to the minimum clearances.

The heater needs to be mounted on a rigid bracket or fixing.

The heater must not be mounted immediately below or in front of a socket outlet.

The heater MUST NOT be placed close to curtains or other combustible materials.

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.

An all-pole disconnection switch MUST be incorporated into the fixed wiring in accordance with the wiring rules.

**WARNING: FOR SAFE USE OF THIS HEATER AN ALL-POLE
DISCONNECTION SWITCH MUST BE INCORPORATED INTO THE
FIXED WIRING.**

This is in accordance with the latest wiring standards.

Please note warranty will be void if installed without an all-pole disconnection switch.

This appliance, under no circumstances, is to be covered with insulating material or similar material.

In case of a heater fault or damaged supply lead, the appliance should be returned to the point of purchase for return to Lucci for repair.

Maintenance

The THERMASTRIP is made from durable materials, however regular care and maintenance of your heater will help prolong the life of the heater.

Always ensure the power is OFF and the fitting has cooled down before performing any maintenance, cleaning or making and adjustments to the heater.

It is recommended that you hose down the heater and with a soft cloth gently wipe the surfaces of the heater with a mild detergent to remove the built up contaminants from the environment. Then rinse all detergent off the heater.

Do not use high pressure water to clean heaters, light water spray only.

All chemicals in the atmosphere including cigarette smoke, pollution etc. will tarnish the surface of the heater. In this case, additional cleaning and maintenance may be required.

The cleaning process at least every three months will reduce the amount of build-up and keep it looking as best it can. If the heater is in a corrosive environment e.g. salt spray, we recommend that you clean your heater with a light spray of fresh water every week.

After cleaning, turn the heater on for 20 minutes to dry any water residue and prevent water staining.

Do not use any abrasive materials or products to clean the heater, this includes solvents, citrus based cleaners or other harsh cleaning products.

When handling the heater, ensure that your hands are clean or that you use clean gloves as grease or dirt can mark the surface of the heater.

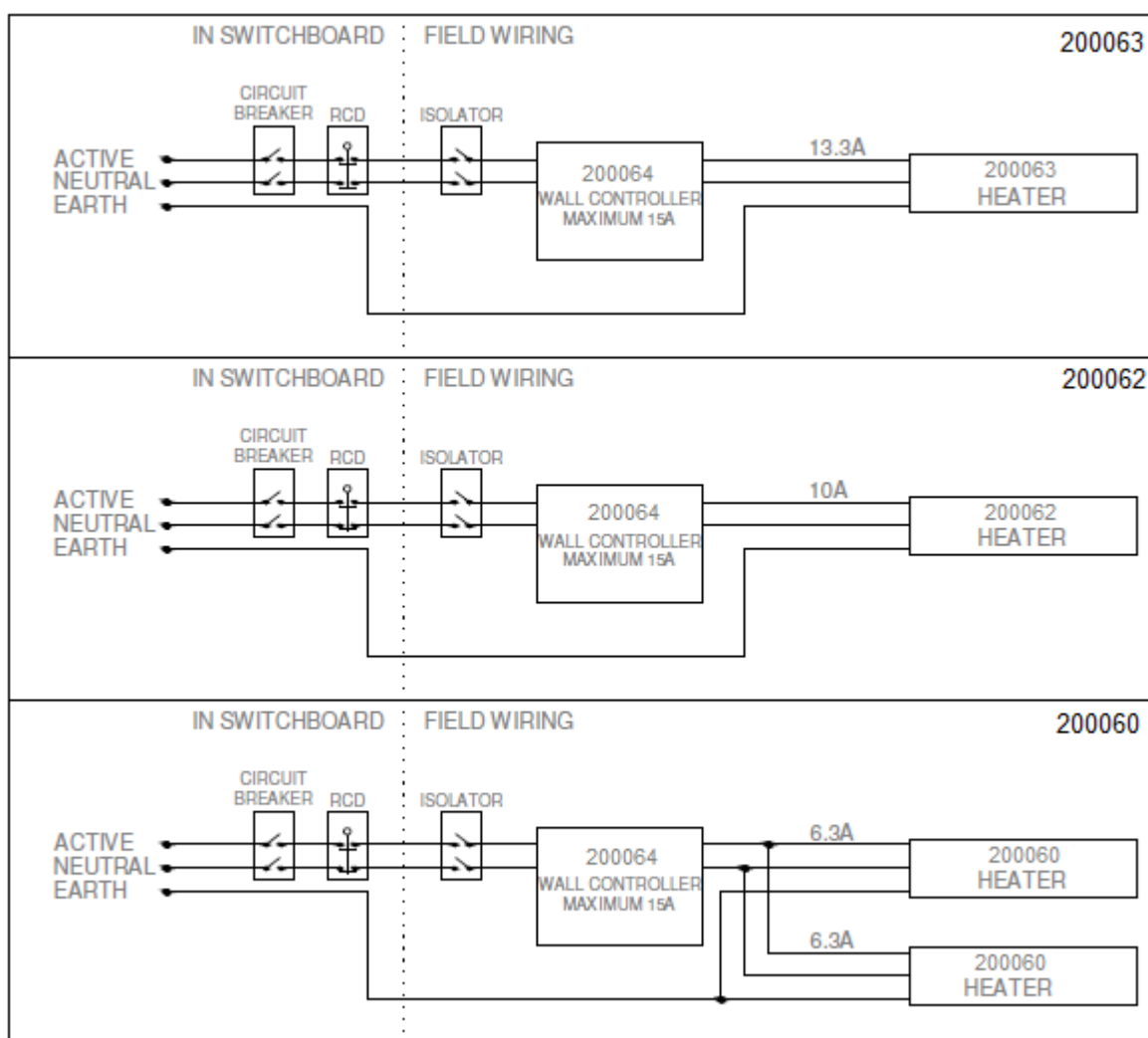
Do not use high pressure water to clean heaters, light water spray only.

Heater Wiring Schematic Diagrams

The THERMASTRIP heater is required to be fitted with an isolation switch. For units with a plug (200060, 200061, 200062), they can be installed into a mains power socket outlet. Check the installation location in the ceiling has access to a socket outlet which is connected to a wall switch. If it does not please contact a licensed electrician to arrange installation of the socket outlet, wall switch and isolation switch. It is recommended to use SKU 200064 (not included) Wall Controller for maximum performance and control options. Ensure the unit is turned OFF after every use.

For direct wiring to the controller, the maximum is one heater unit unless it is two of SKU's 200060.

For multiple units from one wall controller it is recommended to talk your electrician who will use a relay or contactor.



Warranty Terms & Conditions

The below Warranty Terms and Conditions apply for **Australia only**.

Lucci warrants to the original owner that THERMASTRIP products will be free from defects in materials and workmanship for a period of 24 months of use from the date of purchase in accordance with the following warranty terms and conditions.

Provision of this warranty is subject to:

- The THERMASTRIP product must be installed in accordance with the Installation Instructions and relevant electrical standards and codes.
- The THERMASTRIP product must be maintained and cleaned according to instructions detailed in the Installation Manual.
- There is no warranty expressed or implied with regard to capacity requirements. The selection of the unit or units depends entirely upon the system design and capacities as determined by the purchaser.
- This warranty excludes damage to the product or components arising from circumstances outside the control of Lucci, including, but not limited to, where the product is not used for intended purpose; where the product has been rectified in any way; incorrect installation; incorrect power supply; damaged caused during delivery; misapplication, misuse, abuse, vandalism, lack of maintenance or accident.
- Lucci's obligations under this warranty are limited to repair or replacement at Lucci's factory of any components of the product which Lucci identifies to its satisfaction to be defective.
- Transportation charges involved in return of the product to the Lucci factory (or any other location authorised in writing by Lucci) is the sole responsibility of the customer.
- All products are inspected and tested before despatch and are at the risk of the purchaser after the shipment from the Lucci factory, if not delivered by Lucci to destination.
- Discolouration of the surface may occur after a period of time, this does not constitute a warrantable event.
- Twisting and bending of the heaters may occur, this does not constitute a warrantable event.
- No products or components will be supplied in advance of an examination of the faulty product or components by Lucci or an authorized representative of Lucci.
- Lucci does not participate in any site related costs or labour expenses incidental to replacement of parts, repairing, removing, installing, servicing, transportation or handling of parts to complete products, and assumes no liability on parts repaired or replaced without written authorisation. Lucci shall not be liable for any default or delay in performance of its warranty obligations caused by any circumstances beyond its control, including, but not limited to, judicial or government restrictions, strikes, fires, floods, abnormal weather conditions, delayed supply of components.

The customer warrants using the product in accordance with:

- Any instructions provided to it by Lucci 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.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

All warranty requests for repairs or replacements must be accompanied by a complete "Warranty Claim Form" available from Lucci, together with proof of purchase (and where possible, photos of the installation) and proof of correct installation if installed by a licensed electrician along with a certificate of electrical safety and electrician license number must be provided.

In the event of a warranty claim, the goods need to be returned to the distributor/retailer for repair/replacement.

Distributed by:

Beacon Lighting

140 Fulton Drive

Derrimut, Victoria, 3030

Australia

Ph 1800 602 243

Fax +613 9360 9332

Email: warranty@beaconlighting.com.au

HEATER WARRANTY INFORMATION

LUCCI WARRANTY HOTLINE- 1800 602 243

Please complete the details below and keep this installation manual for future reference.
You will need to provide proof of purchase and installation by a licensed electrician.

Customer Name:

Address:

Phone No:

Product Model No:

(PO# + DATECODE Sticker here)

PO Number of Date Code:

Date of Purchase:

Electrician Name:

Licence No:

Phone No:

ATTACH PROOF OF PURCHASE HERE