





## The Heatstrip

The Heatstrip is a high-intensity electric radiant heater which provides an effective and efficient solution for outdoor and indoor heating applications. The design incorporates an exclusive, extruded black anodized aluminum profile with a high surface area to radiate heat efficiently and effectively at minimal operating costs. The special design of this radiation surface ensures rapid, even heat dispersion to provide an ideal comfort heat environment.

Unlike traditional outdoor gas heaters, which heat the surrounding air and can result in high temperatures close to the heat source and lower temperatures further away, the radiant heat emitted by the Heatstrip penetrates through the air to provide a comfortable even temperature directly to people and surfaces. Similar to the radiant heat rays emitted by the sun, this unique electric heating element emits rapid, even radiant warmth from above.

Also incorporating a water protection rating of IPX-5, the Heatstrip has been specifically engineered for use within undercover outdoor and indoor open areas.

The Heatstrips come in different sizes and selection depends on the use. A choice of four models is available, the 1200w, 1800w, 2400w, and 3200w model, ensuring the heating requirements of any undercover outdoor or indoor area is covered.

## The Heatstrip Advantage

### Efficiency

As radiant heaters do not heat the air within an environment they are more efficient than any other form of heating.

### Economy

These heaters run at just 15% the equivalent cost for gas heaters.

### Comfort

The Heatstrip provides a gentle and even warmth creating a comfortable environment.

### Discrete Operation

With its silent running technology and zero light emissions.

### Environmental

Super high efficient use of electricity and can use renewable energy depending on source of electricity.

### Quality

Made in Australia and designed to be used all day, every day, for 10 years.





## Heatstrip Applications

### Residential

- Patios
- Verandas
- Balconies
- Courtyards
- Outdoor gazebos
- Pool house
- Outdoor BBQ areas
- Al fresco dining areas

### Commercial

- Sidewalk cafes
- Pubs, clubs, bars
- Outdoor smoking areas
- Wineries
- Restaurants
- Hotels
- Schools
- Taxi stands
- Offices
- Bus/train stations
- Fun parks
- Animal enclosures



## Radiant Heat

Radiant heat is emitted from hot surfaces, e.g. the glowing red wood from a camp fire or the surface of a heated stove. Radiant heat directly warms people and solid objects, rather than warming air.

In a nut shell it's the transfer of heat from one object to another; but they must not be in contact e.g. the sun shining on to a roof. In the diagram you can see the heat source (radiant panel heater) emitting radiant heat. The radiant heat is directional and travels in straight lines until it comes in contact with another object (in our example people – figure 1).

Once the traveling heat comes in contact with a solid surface it will exchange its heat with the object.

In our example the heat penetrates the surface of the human skin. The most important phenomenon which occurs at this point in time is that; the heat is actually controlling or preventing the rate at which our bodies lose heat (figure 2).

After a few moments of being exposed to this heat – the human body will significantly reduce the amount of energy being produced to keep warm by absorbing the external heat provided by the heat source.

The end result is a comforting and warm feeling (figure 3).

Figure 1

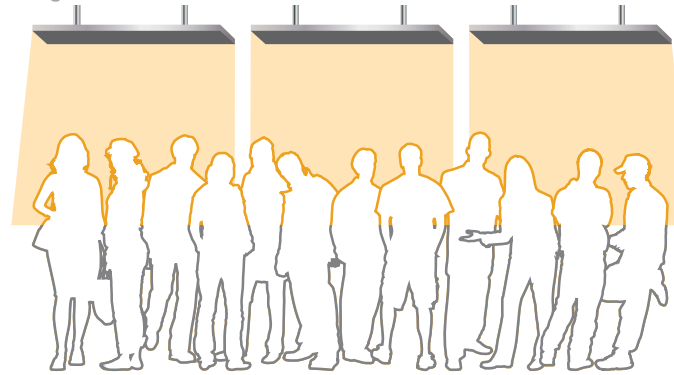


Figure 2

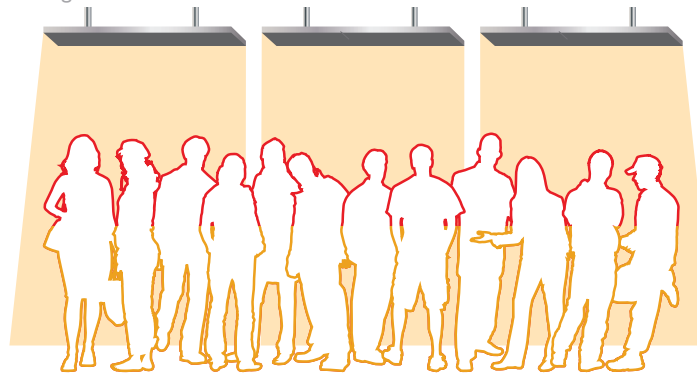
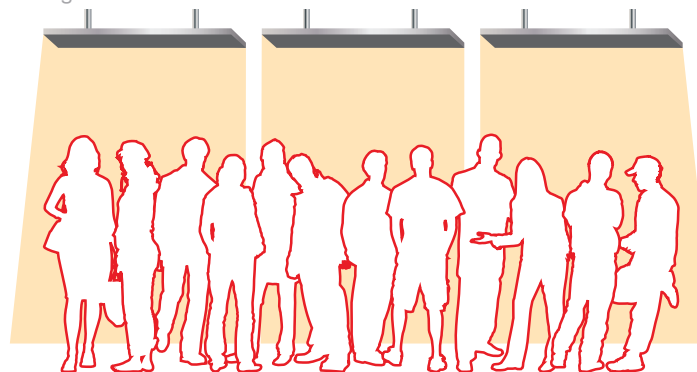


Figure 3





## Performance, Reliability and Safety

The Heatstrip design with a large surface area ensures efficient, rapid, even heat distribution. In fact, the high performance of the Heatstrip means they can be mounted from 2.1 to 4 metres from the floor.

The Heatstrips have no moving parts, no gas emissions and zero combustion risk. All the Heatstrip products have an IPX-5 rating for protection against water ingress and resistance to water spray.

Heatstrip products are currently approved to CE (European), ANS (Australia and New Zealand), CCC (China) standards, as well as RoHS Compliant.

## Design Flexibility

Mounting options for the Heatstrips include the standard ceiling/wall mounting brackets; optional umbrella brackets, or custom made brackets to suit any architectural design applications. A stainless steel weather shield is also available for outdoor exposed locations. This accessory improves heat projection and offers additional protection from the outside elements. Model selection and installation is quick and simple, and detailed instructions are provided.

All outer casings are made from tough, durable steel. Standard casing colour for the Heatstrip is silver with black anodized aluminium radiation panels. Stainless steel encased models are also available, offering additional protection against corrosion. These models are suitable for outdoor use in waterfront and coastal areas, as well indoor use within food preparation areas.

The Heatstrip may be controlled with the use of a timer, making it possible to custom design a cost effective heating solution to suit your exact requirements.





## Heatstrip Installation - Location

For both wall and ceiling mounting, the lower part of the heater must be located a minimum of 2100mm above floor level.

Within an outdoor undercover location, the recommended most effective mounting height for performance and comfort is between 2300mm and 2500mm (all sizes).

Recommended maximum effective mounting height  
– THH1200, 1500, 1800 (3000mm).

Recommended maximum effective mounting height  
– THH2400 & 3200 (3500mm).

The heater should have a clearance of 1000mm to adjacent walls, a minimum 60mm clearance from back of heater to any mounting surface and a minimum clearance of 1000mm or more from bottom of heater to any surface below.

The heater should be mounted on a rigid bracket or fixing. The heaters are not suitable for chain suspension.

The heater must not be mounted immediately below or in front of a socket outlet. If installed in wet areas, the heater switches or controls must be located so they cannot be touched by persons in the bath or shower.

Do not allow thermal insulation, cables, flammable materials or any other items to come in contact with any surface of the heater (purpose designed brackets excluded).



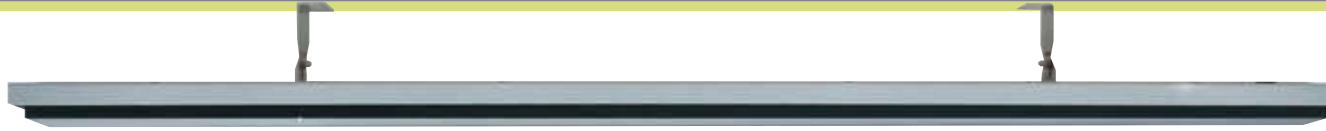
## Heatstrip Specification

Type	High intensity, wall/ceiling mounted, radiant outdoor/indoor heaters
Approvals	Australian Standards 2250-2-30 (full test), CE approved RoHS and CCC compliant.
Electrical Approval No	Q97268 (Australia)
IPX Rating	IPX 5 These models have been given an International Protection (IPX). Rating as defined by Australian Standards AS 1939-1991 'Classification of degrees of Protection against Liquids' provided by enclosures for electrical equipment. IPX-5 rating states these models are protected against jets of water from all directions.
Manufacture Location	Melbourne, Australia
Element Type	Stainless Steel with high efficiency, extended surface area, extruded aluminum heat exchange system.
Design Voltage	240V 50Hz a.c. Australia 230V 50Hz a.c. Europe/NZ 220V 50Hz a.c. China/Hong Kong 120V 60Hz a.c. USA/Canada (THH 1500SS) 230V 60Hz a.c. USA/Canada (THH 3200SS)
Electrical Circuit	Refer to Electrical Wattage
Casing Finish	1) High temperature baked enamel paint 2) Stainless Steel
Connection Cord	Coreflex
Mounting System	Stainless Steel ceiling/angle mounting brackets are supplied as standard. Note: Screws fixing bracket to ceiling/wall structure are not included. Umbrella mounting brackets are also available.
Min Mounting Height	2.1 metres above floor level (Refer installation instructions for recommended mounting height)

Model	Watts	Amps	Dimensions (mm)	Weight	Country
<b>Standard Models – Silver powder coated casing</b>					
THH 1200 (EU)	1200	5.0 (5.2) [5.7]	680 x 172 x 45	4.5kg	Australia/(Europe)/[China & HK]
THH 1800 (EU)	1800	7.5 (7.8) [8.57]	1010 x 172 x 45	7.0kg	Australia/(Europe)/[China & HK]
THH 2400 (EU)	2400	10 (10.4) [11.4]	1330 x 172 x 45	9.0kg	Australia/(Europe)/[China & HK]
THH 3200 (EU)	3200	13.3 (13.9) [15.2]	1770 x 172 x 45	12.2kg	Australia/(Europe)/[China & HK]
<b>SS Models – Stainless Steel Casing</b>					
THH 1200SS (EU)	1200	5.0 (5.2) [5.7]	680 x 172 x 45	4.5kg	Australia/(Europe)/[China & HK]
THH 1800SS (EU)	1800	7.5 (7.8) [8.57]	1010 x 172 x 45	7.0kg	Australia/(Europe)/[China & HK]
THH 2400SS (EU)	2400	10 (10.4) [11.4]	1330 x 172 x 45	9.0kg	Australia/(Europe)/[China & HK]
THH 3200SS (EU)	3200	13.3 (13.9) [15.2]	1770 x 172 x 45	12.2kg	Australia/(Europe)/[China & HK]
<b>SS Models – Stainless Steel Casing</b>					
THH 1500SS	1400	11.6	850 x 172 x 40	5.0kg	USA / Canada
THH 3200SS	3200	13.3	1770 x 170 x 40	12.5kg	USA / Canada

## Coverage Guide

Mounting height	THH3200 m <sup>2</sup>	THH2400 m <sup>2</sup>	TH1800 m <sup>2</sup>	THH1200 m <sup>2</sup>
<b>Outdoor undercover part open areas (sidewalk café annex etc)</b>				
2.4	6.1	4.4	3.3	2.2
3.0	5.5	4.0	3.0	2.0
<b>Outdoor undercover enclosed area (restaurant annex/paio etc)</b>				
2.4	8.8	6.6	5.0	3.3
3.0	8.0	6.0	4.5	3.0
3.5	7.2	5.4	4.1	2.7
<b>Indoor spot heating (factories, above restaurant tables etc)</b>				
2.4	11.8	8.8	6.6	4.4
3.0	10.7	8.0	6.0	4.0
3.5	9.6	7.2	5.4	3.6
4.0	9.1	6.8	5.1	3.4



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