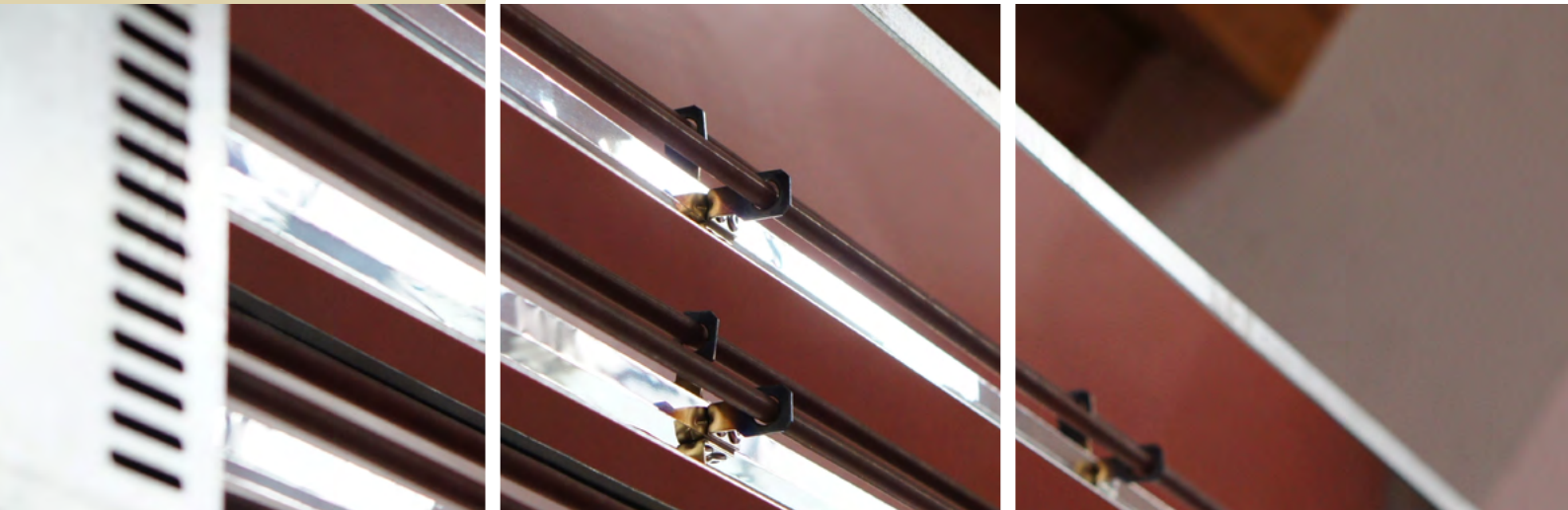


the future of space conditioning

Frenger IRI

radiant heating





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Introduction

Frenger IRI provides energy efficient heating for most applications and working environments with high ceiling heights (approx. 3-40m or 3.5m in zone heating applications). Heat accumulation in floors, walls and other surfaces means that the air temperature can be lowered giving 25-50% energy savings and yet achieving the same ambient temperature. Frenger IRI is also often used to provide spot heating to loading bays, manufacturing facilities and various agricultural buildings.

The heaters are approved to IP44 and can as such be used in wet and dry areas alike.

Benefits of Radiant Heating

- Possible to maintain 3-6°C lower air temperature than with conventional heating.
- Concentrates heat to the occupiers zone.
- Minimising warm-up times.

Benefits of Frenger IRI

- No moving parts equates to reduced maintenance costs.
- Ceiling mounted unit frees up wall and floor space.
- Suitable for mounting between 5-40m from floor level.
- Robust design.
- Splash proof IP44.

Technical Data

Part No.	Heating Capacity (W)	Voltage (V)	Size (LxWxD) mm	Current (A)	Weight (Kg)	IP Rating
IRI 3000	3000	400V3N~	1030 x 300 x 80	4.33	5.5	44
IRI 4500	4500	400V3N~	1360 x 300 x 80	6.50	7.0	44
IRI 6000	6000	400V3N~	1680 x 300 x 80	8.66	8.5	44

Control

Frenger can supply a suitable touchscreen programmable control thermostat to be used with Frenger EC at an additional cost. Should you require any assistance, contact our technical sales department.

Key Features

- Two programmable modes.
- Thermostat Mode - Allows time and temperature settings to be made. The thermostat can be fully programmed to a specific temperature during a specific time.
 - Weekday/Weekend (5+2): Allows you to edit 4 time periods for the weekdays and 4 time periods for Saturday and Sunday.
 - 7 day: Can be programmed each day with 4 time periods.
 - 24 hour: Every day can be edited with 4 time periods.
- Time-Clock Mode - Allows only the time-clock setting to switch ON or OFF. This mode ignores any temperature.



Frenger IRI Radiant Heater

Design

Frenger IRI consists of a heating element and shiny anodised aluminium reflectors encased in a galvanised sheet steel in grey finish (not colour coated) offering a robust design.



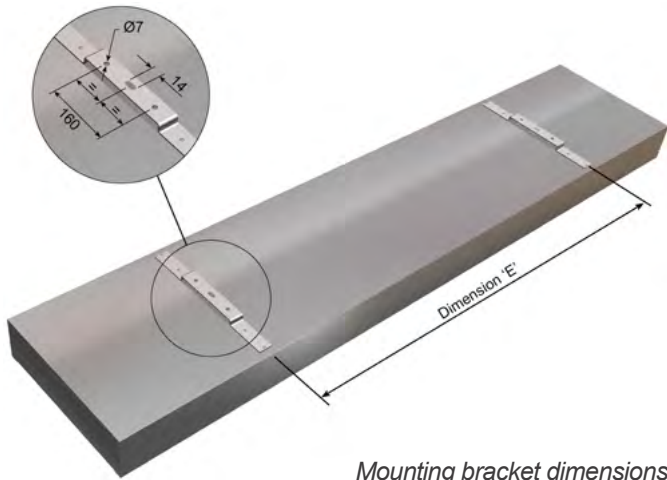
Mounting & Installation

Bracket Distances

Frenger IRI offers easy installation using the included adjustable mounting brackets. The brackets can be adjusted to angle the heater in different positions enabling direction of the heat to the desired areas.

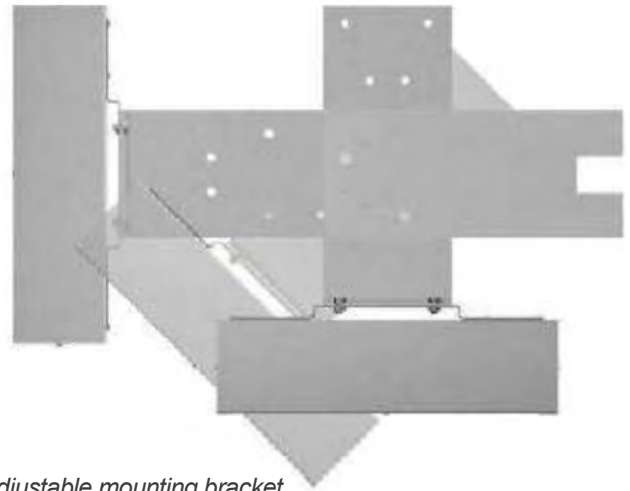
The heaters can also be suspended from chains, wires etc... (suspensions equipment by others).

Part No.	IRI 3000	IRI 4500	IRI 6000
Dimensions 'E' (mm)	650	820	1030



Mounting bracket dimensions

Supplied bracket maintains the minimum mounting distance for the selected product (distance D, below)



Minimum Mounting Distances

	Description	Minimum Distance
A	Heater to wall	500mm
B	Heater to flammable material	1500mm
C	Heater to floor	2300mm
D	Heater to ceiling	200mm - if wall mounted, 30mm - if ceiling mounted



Minimum mounting distances



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