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ESP Radiant Cassettes

INSTALLATIONS INSTRUCTIONS

1. GENERAL INFORMATION

- 1.1. Cassettes are class I, IP44.
- 1.2. Cassettes have to be installed under current local electrical standards.
- 1.3. Installation must be carried out by a qualified person.

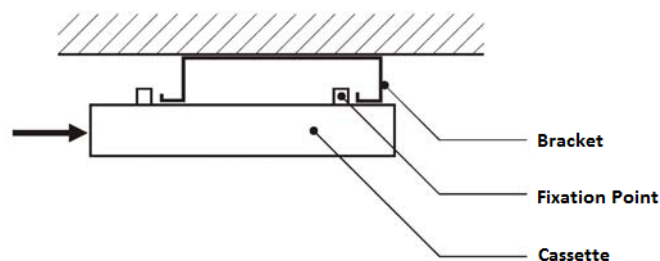
2. USE

These cassettes are designed for heating larger spaces. They are recommended mainly for industry, workshops, storage areas, shops, sports halls etc. They are not normally recommended as spot heaters.

3. MOUNTING

Cassettes can be suspended by chains using the four fixing points by or ceiling mounted using the brackets provided. Generally the cassettes are to be mounted horizontally but angles wall-mounting is possible using the optional ESP-B adjustable bracket .

Diag. 1 – Cassette Mounting



Important: Ensure hands are clean before touching radiant surface

Minimum distances from combustible objects and flammable surfaces: From radiant surface (temperature to 380 °C): 1.0 m
 From back side of panel: 25cm

Minimum distance of cassette from wall: 1.5 m

Recommended mounting heights: ESP-09/ESP-12: 2.8m – 10m ESP-18/ESP-24/ESP-30/ESP-36: 3m – 10m

For even distribution of heater the distance between cassettes should not be greater than the distance between the cassettes and the floor.

4. CONTROL

ESP cassettes should be used with a suitable control system. BN Thermic's hard case electronic control devices are recommended.

5. MAINTENANCE

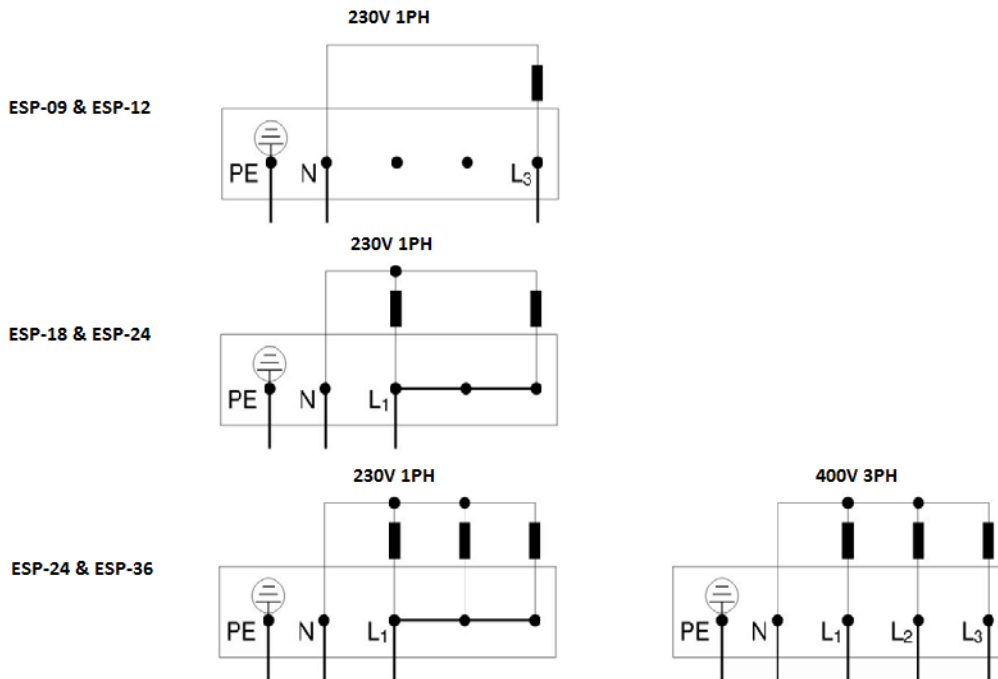
Maintenance is restricted to cleaning the epoxy powder coated steel case using a gentle detergent and soft brush. Do not clean the radiant surface as this may cause damage.

6. ELECTRIC CONNECTION

Voltage – 230V, (400V) see chart

An all-pole isolation device must be used with a minimum 3mm clearance between terminals.

Diag 2 – Electrical Connections: Link terminals as shown where appropriate



7. TECHNICAL CHARACTERISTICS

TYPE	OUTPUT (W)	VOLTAGE (V)	PROTECTION CLASS	IP	DIMENSIONS (mm)
ESP-09	900	230V	I	IP 44	1500 x 130 x 50
ESP-12	1200	230V	I	IP 44	1500 x 130 x 50
ESP-18	1800	230V	I	IP 44	1500 x 130 x 50
ESP-24	2400	230V	I	IP 44	1500 x 130 x 50
ESP-30	3000	230/400V 3PH	I	IP 44	1500 x 350 x 50
ESP-36	3600	230/400V 3PH	I	IP 44	1500 x 350 x 50

8. WARRANTY

This product is guaranteed for the period of five years from the date of purchase.



The symbol means that the electric appliance must be collected and disposed separately as electrical and electronic waste and must not be disposed as unsorted communal waste as required by the Directive 2002/96/EC of the European Parliament of 27 January 2003 on waste electrical and electronic equipment. The symbol also means that the product was launched after 13 August

2005. As required by the Directive 2002/95/EC of the European Parliament of 27 January 2003 on the restricted use of some hazardous substances in electrical and electronic equipment, the product does not contain any hazardous substances or contains them in admissible quantities. Dispose of the product at any place of collection of sorted waste.