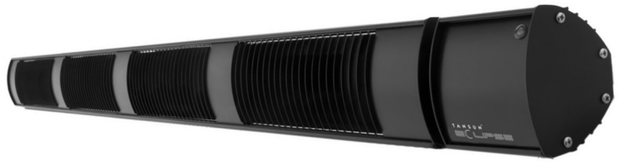
Eclipse Range



DOUBLE



TRIPLE



QUAD

IMPORTANT - SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

TANSUN LIMITED
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Due to our policy of ongoing improvement, we reserve the right to make changes without notice.
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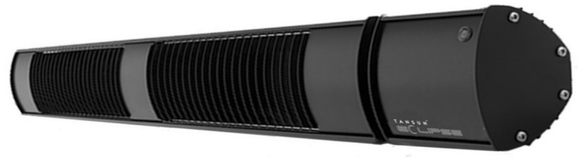
Ref No. 043286-EN Issue No. A

Reference Manual

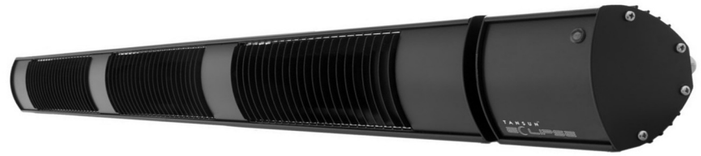
TANSUN™

ECLIPSE

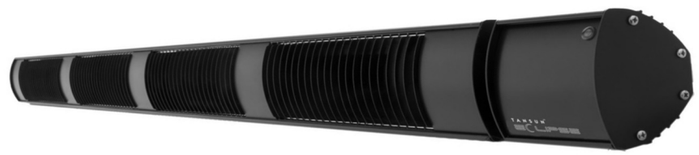
EUROPEAN & UK MODEL HEATERS



DOUBLE: ECLD-015IP-UK, ECLD-015IP-EU



TRIPLE: ECLT-022IP-UK, ECLT-022IP-EU



QUAD: ECLQ-030IP-UK, ECLQ-030IP-EU

ECLIPSE HEATERS ARE PREDOMINANTELY DESIGNED AND MANUFACTURED FOR INDOOR USE AND SHOULD BE USED IN CONJUNCTION WITH SUITABLE ENERGY SAVING CONTROLLERS TO COMPLY WITH EU 2015/118 (PLEASE CONTACT TANSUN FOR DETAILS) THE HEATERS CAN BE USED OUTDOORS BUT IT IS RECOMMENDED THEY ARE USED IN SHELTERED/SEMI-ENCLOSED AREAS

IPX4

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CAUTION

When using Tansun electrical heaters, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

Read all instructions before using this heater.

- Before using this appliance:
  - Check that the voltage indicated on the type plate corresponds to the mains supply voltage.
  - Ensure that the heater has been securely fastened in its final mounting position.
- Do not locate the heater immediately below a socket outlet.
- 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. 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 continually supervised.
- Children aged from 3 years and less than 8 years shall only switch on/ off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- **CAUTION—Some parts of the product can become very hot and cause burns. Particular attention has been given where children and vulnerable people are present.**
- Remove the plug from the mains socket (or disconnect pole switch) during installation, cleaning and/or replacing the element and always ensure that the element is cool.
- If the supply cord becomes damaged, it must be replaced by the manufacturer, its service agent or a similar qualified person in order to avoid a hazard.

MAINTENANCE

In the event of heater failure, or for spare parts or advice, please contact the manufacturer or your service agent.

- Disconnect from the mains by removing the plug from the main sockets before commencing any maintenance procedure including cleaning.
- To ensure optimum heat effectiveness, it is recommended that that the guards are removed and the reflectors are wiped with a lint-free cloth should the reflectors show considerable signs of dust or dirt.

FOLLOWING INFORMATION IS FOR EU-MEMBER STATES:



The use of this symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local council, your household waste disposal service or the shop where you purchased the product.

DECLARATION OF CONFORMITY

Tansun Limited confirm on their sole responsibility that the Eclipse heaters comply with the harmonised standards and stipulations quoted below:

EN 60335-2-30:2009+A11:12
EN 60335-1:2012
EN 62233:2008
LVD 2006/95/EC
EN 61000-3-2, EN 61000-3-3
EMC Directive 2004/108/EC
WEEE & RoHS Directives 2002/96/EC & 2002/95/EC

9. Working on a flat surface, slide the ceramic emitter holding U-clip away from the ceramic emitter raised wiring boss as shown in Fig. P. *Note. the sleeving can be removed at this point before proceeding*. Remove the spring clip (note it's orientation as shown in Fig Q) from the reflector and lift the reflector off the ceramic emitter as shown in Fig. R.

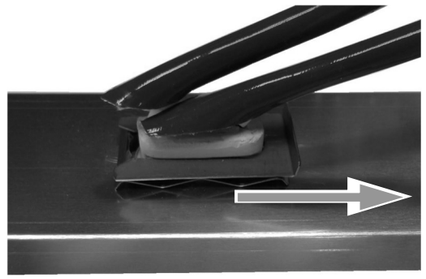


Fig. P

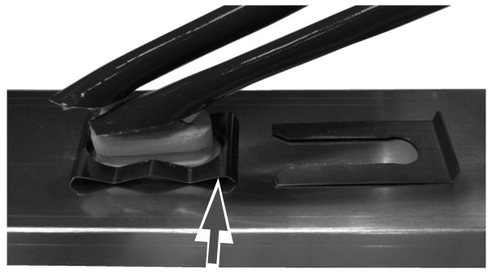


Fig. Q



Fig. R

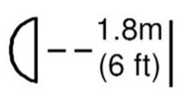
10. Refit in reverse order and repeat for any other ceramic emitters that need to be replaced.

- Do not use an extension cord with this product because the extension cord may overheat and cause a risk of fire.
- Keep the mains supply cord away from the body of the heater which will get hot during use.
- Arrange the mains supply cord so it cannot be tripped over or damaged.
- Do not cover or obstruct the heater while it is in use.
- Do not insert any object through any slot or opening in the heater.
- Do not use if a guard is not present.
- Do not install less than the minimum mounting distance from the floor.
- **WARNING:** This heater should only be installed with an energy saving device to control the room temperature and operated by users capable of using the device. 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.
- Do not use the heater in a bathroom, laundry areas and similar locations. Never locate the heater where it may fall into a bathtub or other water container.
- A heater has hot parts inside. Do not use it in areas where petrol, paint, or flammable liquids are used or stored.
- **WARNING:** This appliance must be connected to a supply that is earthed! ⏚

IMPORTANT -
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

RISK OF FIRE

Keep combustible materials such as furniture, papers, clothes and curtains at least 1.8m (6 feet) from the front of the heater and away from the sides and rear. If the heater is to be used outside, we recommend that a waterproof or indoor socket outlet is used.



INTRODUCTION

The Tansun range of Eclipse heaters contain long-life ceramic emitters which are highly efficient and durable. The Eclipse heaters are designed for indoor use and outdoor (under cover use) only.

Please read the caution notes and following instructions carefully before use. The safety of this heater is guaranteed only by its correct usage in accordance with these instructions, therefore it is recommended that they are retained for future reference.

SPECIFICATION

Table 1. UK and European Heaters

Model	ECLD-015IP	ECLT-022IP	ECLQ-030IP
Element Arrangement	Double	Triple	Quad
Voltage (V)	230		
No. of Elements x Power (W)	2 × 750	3 × 750	4 × 750
Total Power (kW)	1.5	2.25	3.0
Total Current (A)	6.5	9.8	13.0
Min. height from floor (m)	2.0		
Min. distance from ceiling (m)	0.3		
Min. distance from side wall (m)	0.5		
Dimensions (depth inc. bracket in max. pos.) L x H x D (mm)	940 × 111 × 169	1300 × 111 × 169	1660 × 111 × 169
Weight (kg)	5.2	7.1	8.9
Ingress Protection (IP)	IPX4		

Use an MCB Type 3 or C.

INSTALLATION

- Warning - this appliance must be connected to an earthed supply. ⏚
- All version are fitted with 3.0 metres of mains supply cord and a moulded plug, therefore it is unnecessary to remove the terminal box in order to carry out normal installation of these models.

6. Locate the 2 × Phillips screws either side of the ceramic emitter and remove (ideally with a magnetic tipped screwdriver which will also aid refitting) and take care to retain the spring/split washers. See Fig. K.



Fig. K

7. Pull the reflector holding the ceramic emitter down to expose the wiring (Fig. L). The ceramic emitter can be disconnected by first pulling the sleeving back to reveal the in-line connectors as shown in Fig. M.



Fig. L

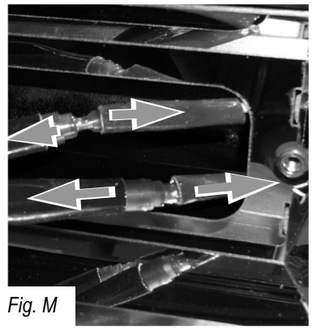


Fig. M

8. Carefully pull the in-line connectors apart to remove the ceramic emitter as shown in Fig. N. Note, when refitting, the connectors must be fully pushed together and you should feel a dull click and the sleeving should also be replaced back over the connectors. Also take note of the emitter wire colours and match.



Fig. N

REPLACING A CERAMIC EMITTER

CAUTION

Disconnect the heater from the mains electric power supply before any attempts are made to replace the ceramic emitter. Contact your distributor for the correct replacement ceramic emitter quoting model type and rating from the rating label. It is important that you read through the ceramic emitter replacement procedure before commencing.

1. Disconnect the mains electric power supply to the heater and ensure the heater and ceramic emitters are cool.

2. Remove the 4 × Phillips head screws from the flat end plate (opposite end to the permanently connected mains cord), see Fig. F.

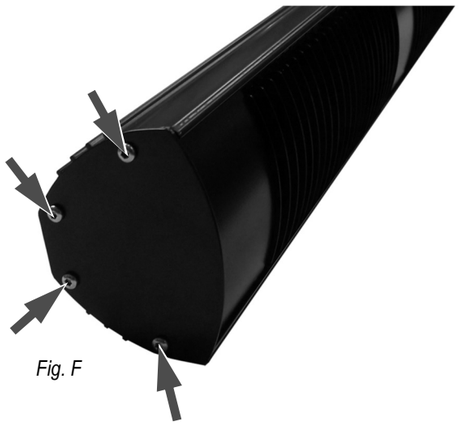


Fig. F



Fig. G

3. Slide the front trim piece out of the body noting which channel it is contained within (for refitting). See Fig. G.

4. Slide the guard out of the body noting it is contained within the same channel as the front trim piece. See Fig. H.

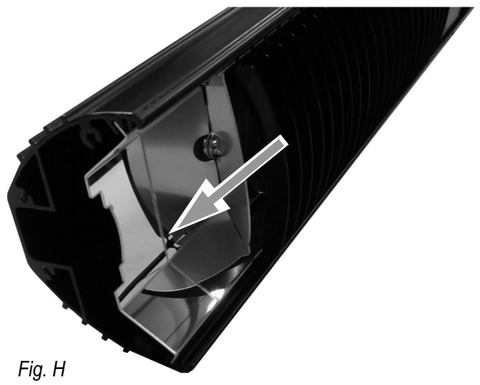


Fig. H

5. If multiple ceramic emitters have to be replaced, continue to slide the front trim pieces and guards out of the body until all ceramic emitters are accessible noting the order in which the trims and guards go. See Fig. J.



Fig. J

INSTALLATION CONTINUED...

- All installations must be in accordance with the latest I.E.E. safety regulations or equivalent. If in any doubt, please contact a suitably qualified electrician.
- We recommend using a RCD where applicable.
- Please observe the minimum safe distance between the heater body and any inflammable surfaces.
- If in any doubt, please contact a suitably qualified electrician.
- To disconnect heater, remove the mains plug from the socket outlet or disconnect pole switch.
- When the electrical connection is outside, it is recommended that a waterproof socket is used for the connection/terminal. Otherwise, the plug should be connected to a socket indoors.
- When installing indoors the heater should be connected to a suitable energy saving controller (please contact Tansun for details).

WALL MOUNTING

- The Eclipse heater should be mounted in a horizontal manner only (see Fig. A).
- Do not position the heater at an angle more than 70° and less than 45° from the mounting surface as shown in Fig. A.
- Always allow the heater to cool before attempting to reposition/move. Never attempt to move the heater while it is switched on!
- Observe the minimum safe distance between the heater body and inflammable surfaces and objects when mounting.
- Please refer to Table 1 for the recommended positioning of the heater. <u>Do not install the heater in a corner!</u>
- Do not mount the heater on plastic soffits and fascia boards and ensure the mounting surface will suitably withstand the radiant heat from the heater body.

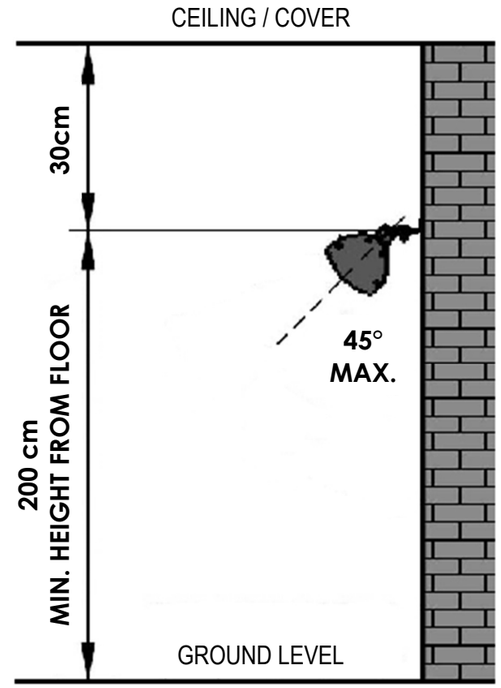


Fig. A

Continued on next page...

1. Securely fasten the Eclipse brackets to the mounting surface using the fixing holes in the brackets. See Fig.s B, C and D for mounting hole centres of the brackets. Please refer to Table 1 for recommended positioning of the heater.

2. Fix in the required angular position by tightening the fixing bolts on the brackets at the rear of the heater.

3. Arrange the mains supply cord so it cannot be tripped over or damaged and ensure it is not resting on the heater body or mounting brackets. Also ensure it is away from the front of the heater.

Always isolate the heater from the mains supply when adjusting the angular position.

DRILLING HOLE TEMPLATE DIMENSIONS FOR WALL MOUNTED BRACKETS - DOUBLE HEATER

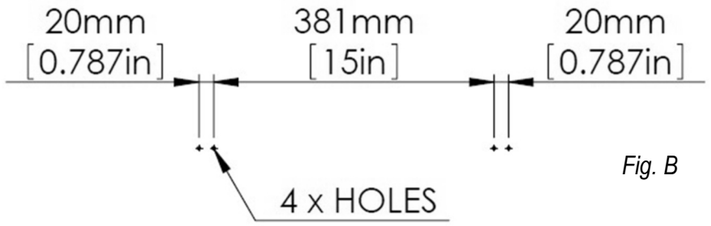


Fig. B

DRILLING HOLE TEMPLATE DIMENSIONS FOR WALL MOUNTED BRACKETS - TRIPLE HEATER

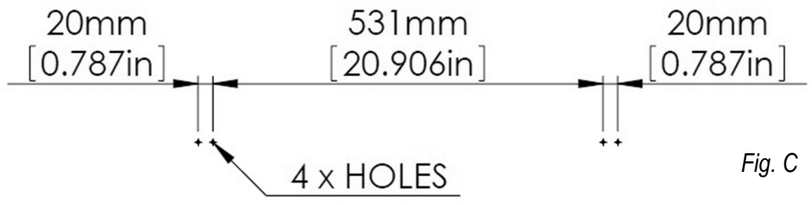


Fig. C

DRILLING HOLE TEMPLATE DIMENSIONS FOR WALL MOUNTED BRACKETS - QUAD HEATER



Fig. D

CHAIN HANGING - ALL MODELS

- The Eclipse heaters can be chain hung from a ceiling.
- When ceiling hanging the Eclipse heater, ensure the minimum distance from the ceiling is adhered to as shown in Fig. E. and maintain the minimum distance to the floor.
- Please refer to Table 1 for the recommended positioning of the heater with regards to minimum distances. Do not install the heater in a corner!
- Always allow the heater to cool before attempting to reposition/move. Never attempt to move the heater while it is switched on!
- Observe the minimum safe distance between the heater body and inflammable surfaces and objects when mounting.
- Keep out of the reach of children.

1. Please refer to Table 1 for recommended positioning of the heater. When hanging from a ceiling, two chains of equal length and gauge are required and should be used with fixings that are adequate to hold the weight of the heater. If in doubt contact a professional for advice!

2. Attach the heater assembly to the chains via the hole in the centre of the middle bracket (remove the L -shaped wall brackets) as shown in Fig. E. and ensure the heater faces directly down when hanging.

3. Arrange the mains supply cord so it cannot be tripped over or damaged and ensure it is not resting on the heater body or mounting brackets. Also ensure it is away from the front of the heater.

Always isolate the heater from the mains supply when adjusting the position.

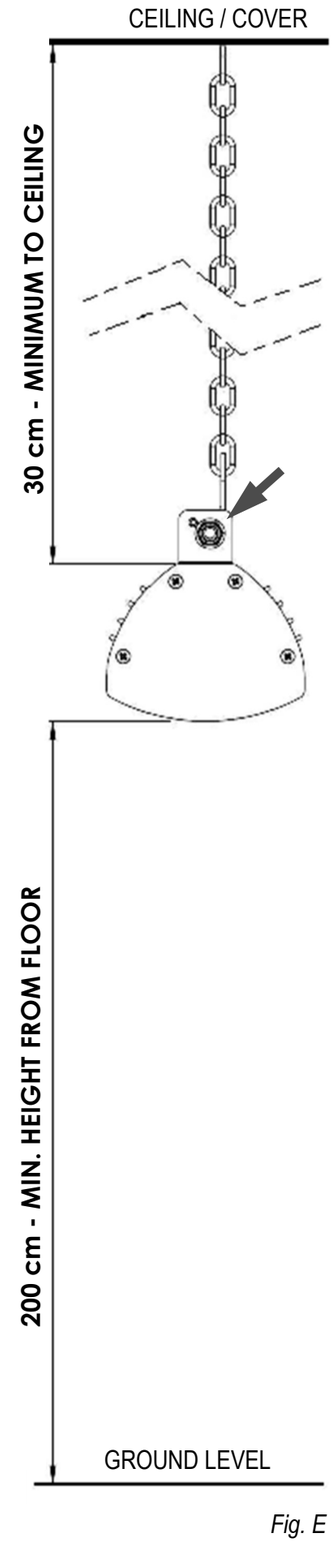


Fig. E