

8. The emitter the wires should be pulled out of the side slots and the emitter can be lifted up completely (Fig. L). The wires should be gently pulled so they come out from behind the reflector.



9. The emitter should now be removed from the heater as shown in Fig. M.

10. Refit the new emitter in reverse order ensuring that no wires get trapped and all screws are fully tightened.



Following information is only 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.



T A N S U N Q U A R T Z H E A T

Reference Manual

Monaco Single

UK & EUROPEAN MODELS:
SOR 215IP UK-M
SOR 215IP EU-M



T A N S U N L I M I T E D

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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.

4. At the back of the heater, remove the plate holding the terminal box by removing the two fixing screws as shown in Fig. G.

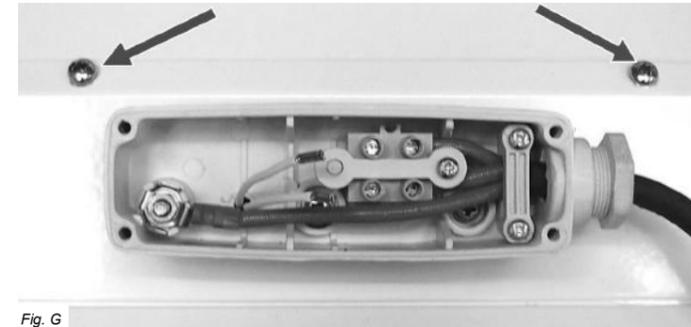


Fig. G

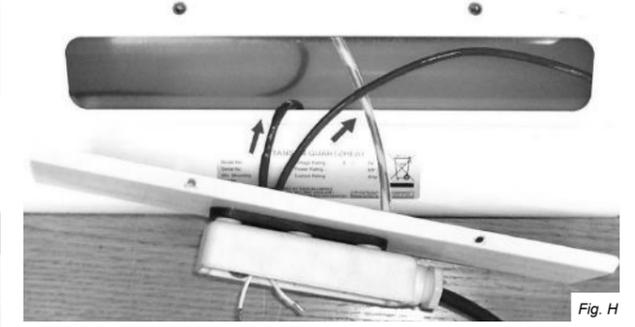


Fig. H

5. Pull the emitter wires one at a time through the plate to remove as shown in Fig. H.

6. At the front of the heater, the guard in front of the emitter you are replacing should be removed by gently pulling it away from the heater so it pries out of its locating holes at each end (Fig. J).

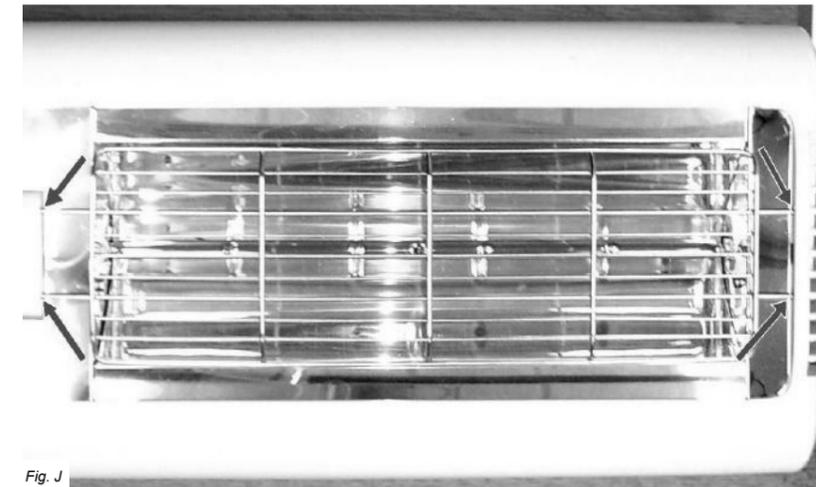


Fig. J

7. Remove the screw (Fig. K) from the side reflector and lift it up away from the heater to remove it. Repeat at opposite end to remove other side reflector.



Fig. K

Maintenance

In the event of heater failure, or for spare parts or advice, please contact Tansun Limited in the first instance.

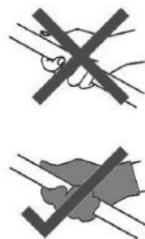
- Disconnect from the mains before commencing any maintenance procedure including cleaning.
- To ensure optimum heat effectiveness, it is recommended that the guard and emitter are removed and the reflector is wiped with a lint-free cloth before reassembling should the reflector show considerable signs of dust or dirt.

Your Replacement Emitter

It is very important that your replacement emitter is exactly the same as the one it was supplied with. Failure to fit the exact same type could cause the heater to fail or even become dangerous especially when used in an outdoor environment. Please contact Tansun Limited to purchase your replacement emitter and state the model number of the heater you wish to fit the emitter to.

Handling the Replacement Emitter

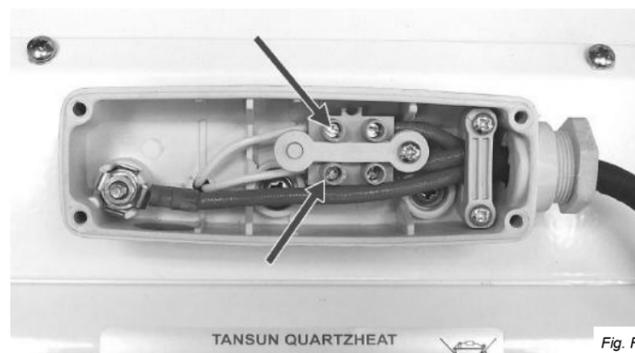
Your new emitter should not be handled with bare hands. Remove finger marks with a soft cloth and methylated spirits or rubbing alcohol. Finger marks will burn into the emitters quartz glass causing premature failure.



Replacing the Emitter

If you are in any doubt about following the procedure below, please contact us for technical assistance. The mains power should be disconnected before any attempts are made to replace the emitter. The following should be carried out with compliance to the latest electrical regulations. If you are unfamiliar with installing such fixtures, contact a qualified electrician to carry out.

1. Ensure the heater and emitter are cool and the power supply is disconnected by removing the plugs from the socket outlet - all plugs must be removed even if only one emitter is to be replaced.
2. Remove the screws from the terminal box at the back of the emitter you wish to replace and lift off the lid - see Fig. E.

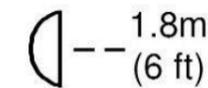


3. Disconnect the emitter from the connector blocks by unscrewing the screws highlighted above in Fig. F and remove the white coloured emitter wires from the terminal block.

- 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 is not equipped with a device to control the room temperature. 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 touch the heater when it is turned on, as the body gets hot.
- 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.
- Do not use in explosive atmospheres.
- 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 Monaco heater produces radiant heat like the sun, warming people and objects rather than the air in between. It is mounted on an adjustable bracket that allows the heat to be directed exactly where it is required. Its attractive, lightweight design means that it is effective yet unobtrusive. The Monaco is designed for indoor and outdoor use so is therefore weatherproof.

Please read the 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	Voltage (V)	Total Power (W)	Current (A)	Min. height from floor (m)	Min. dist. from ceiling (m)	Min. dist. from side wall (m)	Dimensions W x H x D (mm)	Weight (kg)	Ingress Protection (IP)
SOR 215IP *-M	230	1500	6.5	2.0	0.3	1.0	402 x 227 x 323	3.4	IP55

Use MCB Type 3 or C.

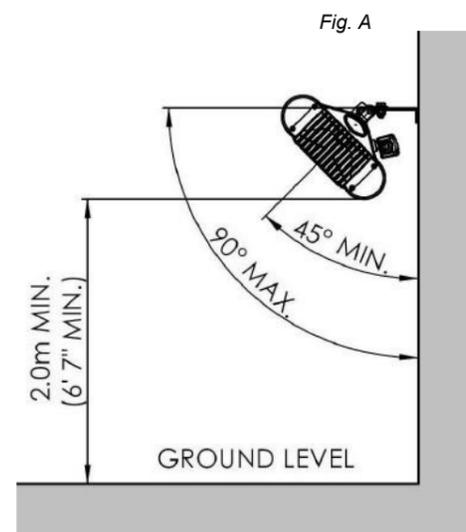
Installation

The Monaco heater is fitted with a supply cord and a moulded plug, therefore it is unnecessary to open the terminal box in order to carry out normal installation of this product and should not be interfered with.

- We recommend using a RCD where applicable.
- Please observe the minimum safe distance between the heater body and any inflammable surfaces.
- 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.
- When the electrical connection is outside, it is recommended that a waterproof socket is used for the connection. Otherwise, the plug should be connected to a socket indoors.
- If in any doubt, please contact a suitably qualified electrician.

Mounting

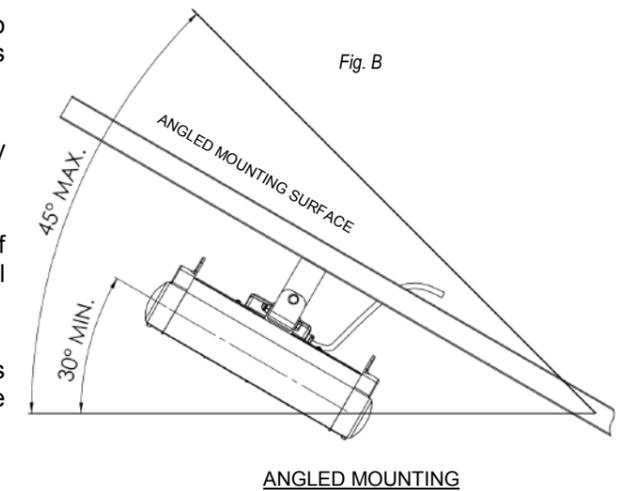
- The Monaco heater can be wall/surface mounted in a horizontal (Fig. A) or angled manner (Fig. B) or hung from a ceiling (Fig. D) from chains (not supplied).
- When wall/surface mounting the Monaco heater in a horizontal manner, do not position the heater at an angle more than 90° and less than 45° as shown in Fig. A.
- When surface mounting the Monaco heater in an angled manner, ensure the mounting surface is angled so the heater projects downwards - see Fig. C. Do not position the heater at an angle more than 45° and less than 30° to the horizontal as shown. Position the heater so the cord is exiting the terminal box pointing down.
- When ceiling hanging the Monaco heater, ensure the minimum distance from the ceiling is adhered to as shown in Fig. D.



HORIZONTAL MOUNTING

continued...

- 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 with regards to minimum distances. Do not install the heater in a corner!
- 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.
- Keep out of the reach of children.



ANGLED MOUNTING

1. When wall mounting, securely fasten the L-shaped wall bracket to the mounting surface using both of the fixing holes in the short part of the bracket. Refer to Table 1 for recommended positioning of the heater. Please note: wall fixings are not supplied. They should be selected to substantially support the weight of the installation. If in doubt contact a professional for advice!

2. The heater can be fixed to the wall bracket securely with the nuts and bolts provided as shown in Fig. C.

3. The heater should be mounted with the terminal box at the bottom of the heater.

4. When wall mounting, fix in the required angular position by tightening the fixing bolt on the brackets at the rear of the heater as pointed out in Fig. C.

5. Secure the supply cable so it is not resting on the body or obstructing the air-vents.

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

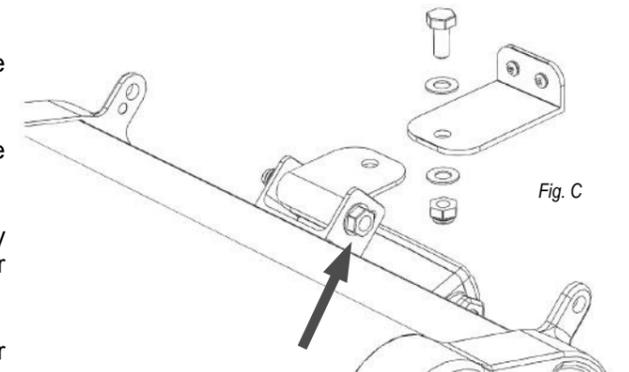


Fig. C

Ceiling Hanging

- 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 selected with fixings that are adequate to hold the weight of the heater. If in doubt contact a professional for advice!
- Fix the heater assembly to the chains via the holes in the tabs on the end castings as shown in Fig. D. and ensure the heater faces directly down when hanging.
- Secure the supply cable so it is not resting on the body or obstructing the air-vents.

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

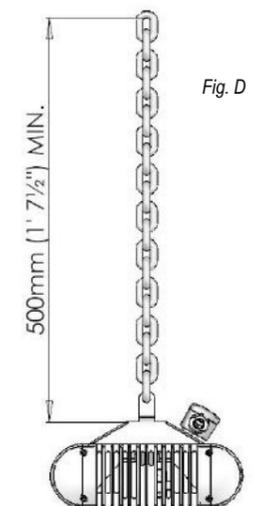


Fig. D