



QUALITY SPACE HEATERS



Installation & Control Guide for Ceramic Radiant Heaters for SL Wireless Controllers

Models

HE8513SL 1.3kW, HE8515SL 1.5kW, HE8530SL 3kW

All electrical appliances produced for the Company are guaranteed for one year against faulty material or workmanship. This applies only if the appliance has been used for purposes in accordance with the instructions provided and has not been connected to an unsuitable electricity supply, or subject to misuse, neglect, damage or modified or repaired by any person not authorised by us. This guarantee is offered to you as an extra benefit and does not affect your legal rights.

The correct electricity supply voltage is shown on the rating label attached to the appliance.

Reasonable care has been taken to ensure that this guide is accurate at the time of printing. In the interest of progress the Company reserve the right to vary specifications from time to time without notice.

Overview

Please read this guide carefully and retain for future use and maintenance.

This appliance has been designed and manufactured to the highest international standards, however, care must be taken for optimal results and safety. This appliance also meets the requirements of EU Directive 2004/106/EC for EMC and 2009/125/EC Directive.

Safety & Care

The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. The appliance should not be operated in ambient temperatures greater than 30°C (86°F), otherwise the life of the heater emitter could be shortened. These radiant heaters are capable of projecting a significant amount of radiant energy for a considerable distance in front of the reflector. Great care should be taken with their mounting, if there are flammable materials in the vicinity. These heaters must not be used in areas subject to flammable vapours such as paint solvents or petrol fumes.

Warning

- Do NOT site the appliance in a corner.
- Do NOT use the appliance in workshops or rooms where excessive dust is generated or present.
- Do NOT touch outlet grille when the appliance is in use.
- Do NOT cover or restrict any aperture of the appliance when in use.
- Do NOT use the appliance if damaged.
- Do NOT leave the appliance unattended.
- Do NOT use the heater in hazardous areas.

Spare Parts

HE8507 – Spare Emitter (1.5 kW)

Cleaning

Always disconnect the heater from the mains before cleaning. The heater should not require any maintenance, but it is strongly advised that it is kept clean. An occasional wipe over with a soft cloth is all that should be necessary.

- Do NOT use metal or furniture polish on any part of the heater.
- Do NOT touch the heater with wet hands or in any way bring water into contact with it.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.

If Your Heater Does Not Work

- Check that power is available to the heater. The LED light on the SL receiver should be illuminated
- Check that the fuse in the spur unit has not blown. This can be done by replacing the fuse with another suitable fuse.
- Check if the heater is paired with the SL controller

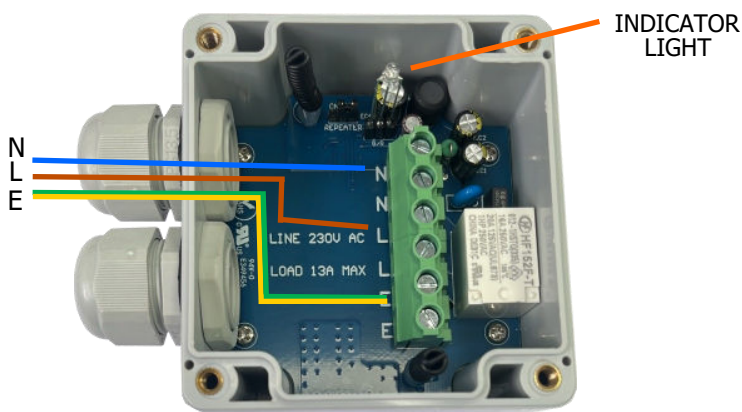
Should none of the above remedies work, then telephone the helpline number shown in these instructions (UK ONLY). Do not attempt to repair the heater.

Connection to the Main Supply

Electrical installation should be carried out by a competent installer, preferably registered with NICEIC in accordance with the 17 edition of the IEE Wiring Regulations, (BS.7671), and any relevant Local Authority Bye-Laws. This heater is fitted with a 3-core mains supply cable and must be permanently connected to the electricity supply via a double pole switch having 3mm gap on each pole. **There are no exceptions.** A switched Fused Connection unit to BS.1363. Part 4 is a recommended mains supply connection accessory to ensure compliance with safety requirements applicable to fixed-wiring installation.

Note: When switched on for the first time the appliance may emit a slight smell.

WARNING: This appliance must be earthed. When refitting the lid care must be taken to align the light pipe on the lid with the indicator light.



General

Ceramic heaters are high intensity radiant appliances, using ceramic emitter elements as the energy source. The emitters radiate their energy primarily in the long-wave infrared waveband with high energy conversion efficiency and good heat penetrating properties.

All heaters are supplied complete with wall mounting brackets. Their robust construction makes them suitable for most types of industrial and commercial situations. An outline drawing of the units, together with their overall dimensions is shown in figure 1.

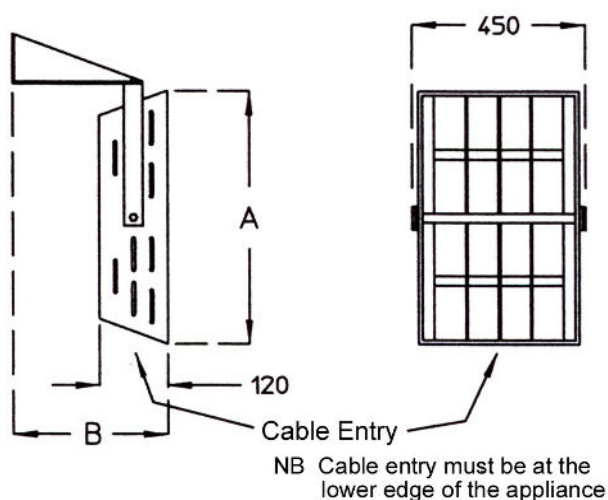


Figure 1 – Outline Dimensions of Ceramic Heaters

UNIT	DIMENSION	
	A	B
HE8513SL	230	310
HE8515SL	230	310
HE8530SL	360	410

Installation

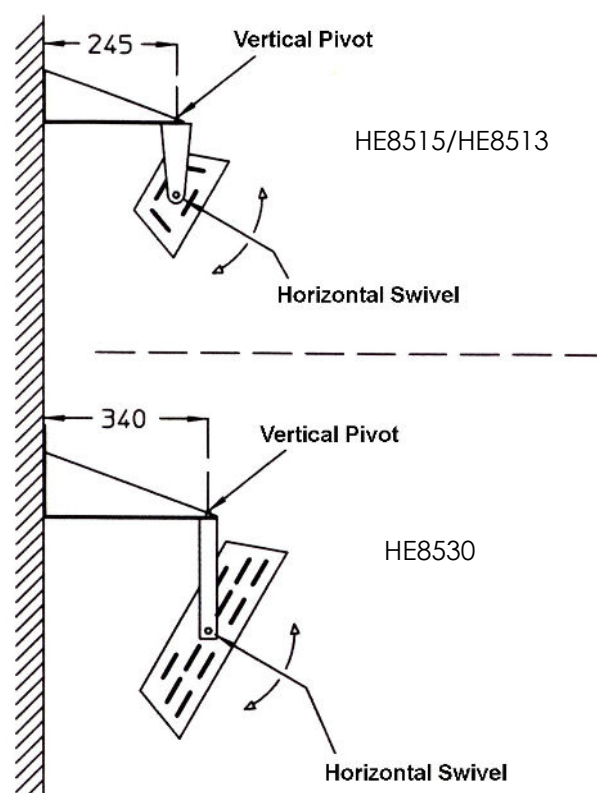
The mounting position and spacing of these units will depend on the mounting height and reference should be made to the technical data to determine the optimum position. The minimum recommended mounting heights are as follows:

HE8513SL (1.3 kW)	2.3 metres
HE8515SL (1.5 kW)	2.3 metres
HE8530SL (3.0 kW)	2.7 metres

For wall mounting, a bracket arrangement is supplied as standard and this is shown in figure 2. With the unit wall mounted, it is essential that the radiant energy is directed away from the wall. The minimum clearances from the ceiling or the adjacent walls are shown in figure 3. For maximum heating effect on the occupants of the room, the angle of the front face of the unit to the horizontal should be about 45°.

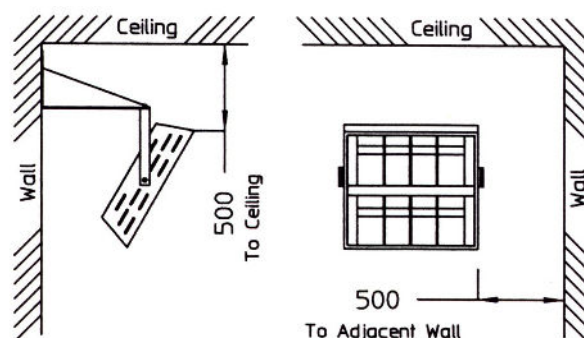
As well as an efficient conversion of electrical energy into radiant heat energy, the effectiveness of radiant heaters depends on efficient absorption of this energy by the people in the building. More efficient absorption is obtained if the radiant heat is directed from one or both sides of the person. In any situation, the optimum angle for the heaters will be with the plane of the reflectors at about 45° to the horizontal. Heating schemes should be designed such that the area to be heated is effectively covered by units which are mounted close to this angle.

Figure 2 – Wall Mounting of Ceramic Heaters



NOTE: IT IS NOT RECOMMENDED TO SWIVEL THE BODY MORE THAN 80 DEG FROM THE VERTICAL

Figure 3 – Minimum Clearances to Adjacent Wall and Ceilings

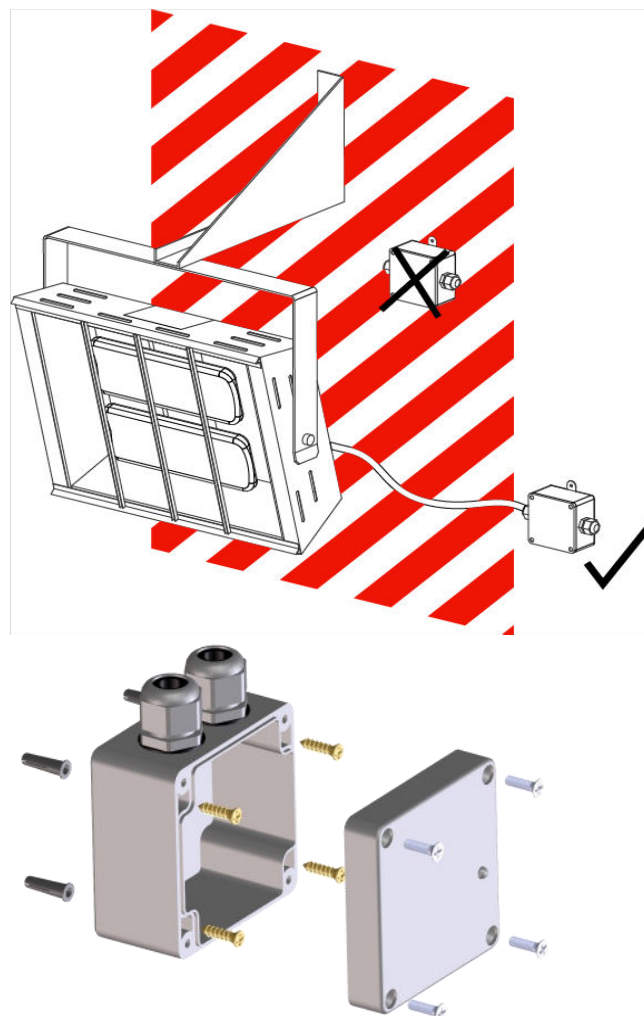


Assembly

Unpack the heater, remove all outer packaging. Although the appliance's construction is robust, care should be taken when assembling the yoke and when securing onto the hanging bracket the yoke/heater assembly. For all units, assemble the yoke onto the heater body, tightening the clamp bolts finger tight. Secure the hanging bracket to the wall with suitable fixings. Ensure the position of this bracket will allow suitable clearances between the heater, when fitted, and adjacent walls, ceilings or objects. See Fig 3. Mount the yoke/heater assembly to the hanging bracket using the bolt, washer and nut provided. Finally adjust the direction of the heater to irradiate the desired area and tighten up all clamping nuts and bolts.

SL Receiver Installation

The heater is supplied with the SL wireless receiver pre wired. The cable length is approximately 0.9m. The controller should be screwed to the wall using screws and wall plugs supplied. Care should be taken when installing the receiver. It must not be positioned above, behind or below the heater. Ideal position is on the side, minimum 250mm from the heater. When the heater is suspended from the ceiling, the SL receiver should be installed on the ceiling as far as possible from the heater to avoid damaging the electronic components when connecting mains cable to the receiver. If the cable between the heater and the SL receiver needs replacing or extending, 2.5mm high temperature flexible cable must be use.



Operation

When the appliance is connected to the mains supply, the LED indicator will light up green, showing that the power is available to the unit.

When the heat output has been enabled by a wireless controller, the LED indicator light will turn red.

This heater can only be used when connected to an SL wireless controller. Each SL controller can control any number of heaters providing they are within the RF range.

Please refer to the SL controller installation and control guide for full operational details.

Range extender function

The SLEXT was designed to also extend the RF range of any SL controller when the function is activated.

To activate the function, the jumper switch located next to antenna has to set to ON position.

Consort Equipment Products Limited

Thornton Industrial Estate, Milford Haven, Pembrokeshire, SA73 2RT

Tel: 01646 692172 Fax: 01646 695195

Email: technical@consortepl.com Web: www.consortepl.com

Operation hours: Mon to Thu 8.30am to 4.30pm | Fri 8.30am to 3.30pm

BS EN ISO 9001 Registered Company No FM12671

Declaration Of Conformity

In accordance with UK Government Guidance.
WE HEREBY CERTIFY THAT THE APPLIANCES DETAILED HEREON HAVE BEEN
INSPECTED AND TESTED, AND CONFORM TO THE REQUIREMENTS OF THE
FOLLOWING UK STATUTORY INSTRUMENTS WHERE APPLICABLE:

Electrical Equipment (Safety) Regulations 2016 SI. 2016 1101
Electromagnetic Compatibility Regulations 2016 SI. 2016 No. 1091
Radio Equipment Regulations 2017 SI. 2017 No. 1206
The Ecodesign for Energy Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019. SI. 2010 2617
The Restriction of use of Certain Hazardous Substances. SI. 2012 No. 3032
The Waste Electrical and Electronic Equipment Regulations 2013. SI. 2013 No. 3113
Security Requirements for 'Connectable Products' PTSI Acts 2022
The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023

Transposed standards used:

- | | |
|----------------------------------|---|
| • BS EN 55014 (2006) | • EN 50663 (2017) |
| • BS EN 301489.1 & .3 | • EN 60730-2-9 (2010) |
| • BS EN 300220.1 & .2 | • EN 60730-1 (2011) |
| • BS EN 60730.2.9 | • ETSI EN 300 220-1 V3.1.1 (2017-02) |
| • BS EN 60335.1 (2012) | • ETSI EN 300 220-2 V3.2.1 (2018-06) |
| • BS EN 60335.2.30 (2009) | • ETSI EN 301 489-1 V2.2.2 (2019) |
| • ETSI BS EN 303 645 | • ETSI EN 301 489-3 V2.1.1 (2019) |

PART NUMBER AND DESCRIPTION OF APPLIANCE: HE8515SL, HE8530SL

NAME OF RESPONSIBLE PERSON:

POSITION:

DATE:

DAVID O'SULLIVAN

OPERATIONS MANAGER

24/06/24



FM 12671

CONSORT EQUIPMENT PRODUCTS LTD.

THORNTON INDUSTRIAL ESTATE, MILFORD HAVEN, PEMBROKESHIRE, SA73 2RT. UK

TEL: +44 1646 692172 E-MAIL: ENQUIRIES@CONSORTEPL.COM

WWW.CONSORTEPL.COM