

QUALITAIR

QLC10 2.8kW HEATER OPTION (OPTION N° J762300)

1. SAFETY PROCEDURES

Installation

The units making up the Air Conditioning System must be installed only by a qualified engineer, following the mandatory and local codes of practice.

Handling

Care must be taken when the units are moved or lifted to ensure that everyone and everything is safe. When lifting equipment is used, it must be suitable and approved.

Application

Ensure that the unit is only used for suitable purpose / applications.

Electrical Connection

Electrical work and connections must only be made by authorised electricians in accordance with mandatory regulations and local codes of practice.

Warranty

Failure to comply with the manufacturer's installation instructions could affect the performance of the unit and invalidate the warranty. Warranty is also subject to the implementation of a planned service / maintenance agreement as documented in the warranty booklet supplied with the unit.

General

- a) All works must be carried out in accordance with manufacturer's installation and operating procedures.
- b) Good working practices must be followed at all times so that Mechanical and Electrical Hazards are kept to a minimum.

- c) The equipment has been fitted with doors and covers to prevent access during operation. These must be kept in place and additional guards fitted, if necessary.
- d) The equipment must be connected to an external electrical isolator is one is not supplied fitted to the unit.
- e) Servicing and maintenance must only be carried out by fully qualified and competent staff. Before any work is started, electrically isolate the units to make sure they cannot be switched on accidentally and allow sufficient time for isolated parts to come to rest before removing panels. Electrical isolation switches MUST be labelled to show that they are off during servicing and maintenance operation.

NOTE
SOME UNITS ARE DORMANT IN
STANDBY MODE AND CAN
RESTART WITHOUT WARNING
IF THEY ARE NOT ELECTRICALLY
ISOLATED.

- f) Care must be taken not to touch components or pipework which may be extremely hot or cold, for a period after the unit is electrically isolated.
- g) After completing any tasks ensure all guards, covers and doors are correctly refitted before restoring the power supply to the unit.
- h) Air conditioning equipment may generate unacceptable noise levels. If noise levels are unacceptable sound and vibration attenuators may be required. For noise levels guidance refer to technical literature, or contact Qualitair, or their distributors for advice.

KIT DESCRIPTION

This kit contains an electric resistance heater rated at 2.8kW.

The resistance heaters will be activated by the remote mounted controller supplied with each unit when heating is demanded.

Location

The heater is fitted to the coil assembly brackets above the fans and motor.

FITTING INSTRUCTIONS

(Also See Figure 1)

Please note that it will be simpler to fit this kit before installing the Cassette unit ie as Cassette is unpacked and when laying on its' top panel.

1. Remove fan tray as follows:
 - ❑ Release the motor loom from the electric box terminal plate.
 - ❑ Slacken the two screws at one end of the top flat face of the fan tray, slide the tray towards the screws to disengage the other end of the tray then raise the fan tray assembly clear of the chassis – the fixing screws will pass through the 'keyhole' slots.
 - ❑ Disconnect the earth wire from the fan plate.
2. Fit heater assembly from the kit to coil support brackets positioned at each end between the two coil blocks as follows:
 - ❑ Slide the free ends of the heaters into the coil support bracket fitted with two slots.
 - ❑ Slide the heater assembly towards the coil support bracket at the other end so that heater bracket engages on the support bracket.
 - ❑ Fit heater assembly to this bracket with the two N°8 self-tapping screws supplied with the kit.
3. Connect the blue wire from the heater to the neutral terminal of the large terminal block that is fitted to the coil support bracket, and the brown wire from the heater assembly cut-out to the line terminal as shown on the wiring diagram. Connect the green/yellow wire from the support bracket to the earth terminal block.
4. At the centre of the unit will be found the electrics box. Remove its' cover plate and retain (with screws).
5. Fit the relay (with the three wires attached) into the electrics box, using the two N°6 self-tapping screws supplied, into the holes provided.
6. Connect the relay wires as per the wiring diagram LBD110.
7. Replace cover plate, fan tray and grille assembly.

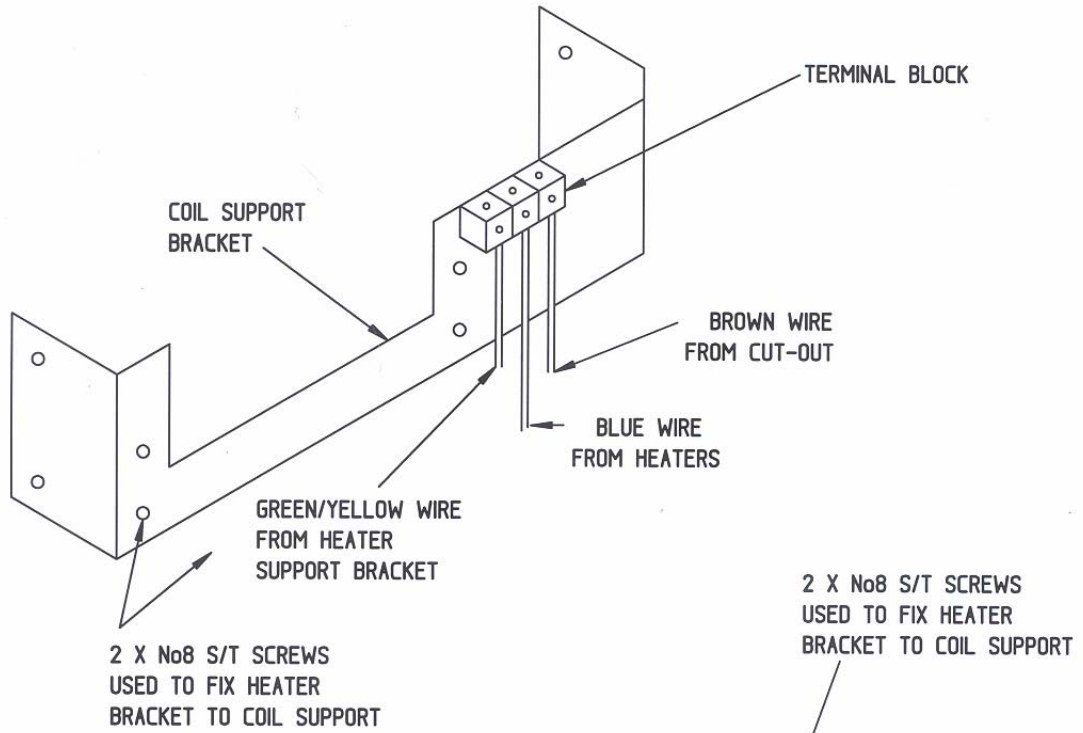


FIG 1

