

## 9. INSPECTION

1. Check that all lamps are functioning. If any thermostatic and time controls are replaced (see 7-LampReplacement). Remove any accumulated dirt and check wiring and connections.
2. Clean the reflector using methylated spirits and soft cloth. Do not use any abrasive or caustic cleaners. Dry with a soft cloth. Avoid touching either of the quartz lamp sleeve or the reflector with bare fingers. If they are accidentally touched remove any fingerprints using a soft cloth moistened with methylated spirits.
3. Check that the lamps are located in the spring retaining clips and that cleaning has not disturbed them. The lamps should be pushed fully back into the clips by applying light pressure on the end caps only.

## 10. SAFETY PRECAUTIONS

1. Always disconnect the heater from the supply before attempting to work on or near it.
2. The heater is operated by simply switching on the electricity supply, or, if used in conjunction with a control system, then the supplier's instructions must be observed.
3. Never operate the heater with a high accumulation of dust or dirt on the lamps or reflector or with a damaged or corroded reflector.
4. Never use the heater where flammable dusts, gases or vapours, etc, are likely to be present in the atmosphere
5. Never operate the heater in close proximity to the skin or eyes.
6. Never allow materials that may ignite be in close proximity of the heater.
7. Never cover the heater- even when it is switched off.
8. Always refer to these instructions before attempting to dismantle the heater.

## 11. AFTER SALES SERVICE

Your heater is guaranteed for one year from date of purchase. We undertake to exchange or repair within this period any part found to be defective due to a manufacturing fault (excluding heater elements).

Should you require after sales service, please get in contact with your supplier through whom you purchased the appliance.


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**CLAUDGEN**

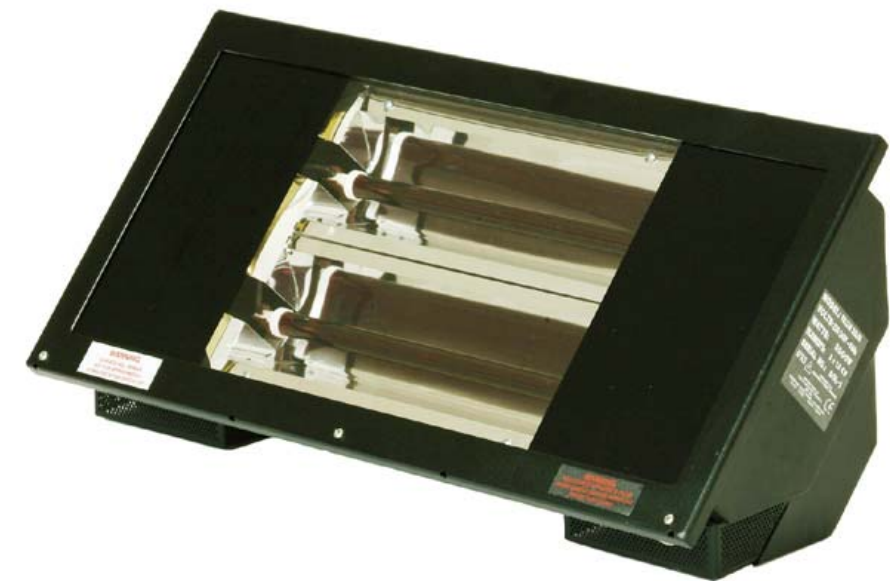
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INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS FOR

# Quartz-Zone 3kW Weatherproof Quartz Heater

Catalogue Number – QZWP3G - IPX5 rated 

PLEASE RETAIN THIS LEAFLET FOR FUTURE MAINTENANCE



### 1. PLEASE NOTE:

#### **Warning – This appliance must be earthed**

These instructions should be carefully read and kept by the user.

The installation of this heater must always be carried out by an electrician and be in accordance with the current IEE wiring and Building regulations.

Always isolate the appliance from the supply before undertaking any maintenance work on the heater.

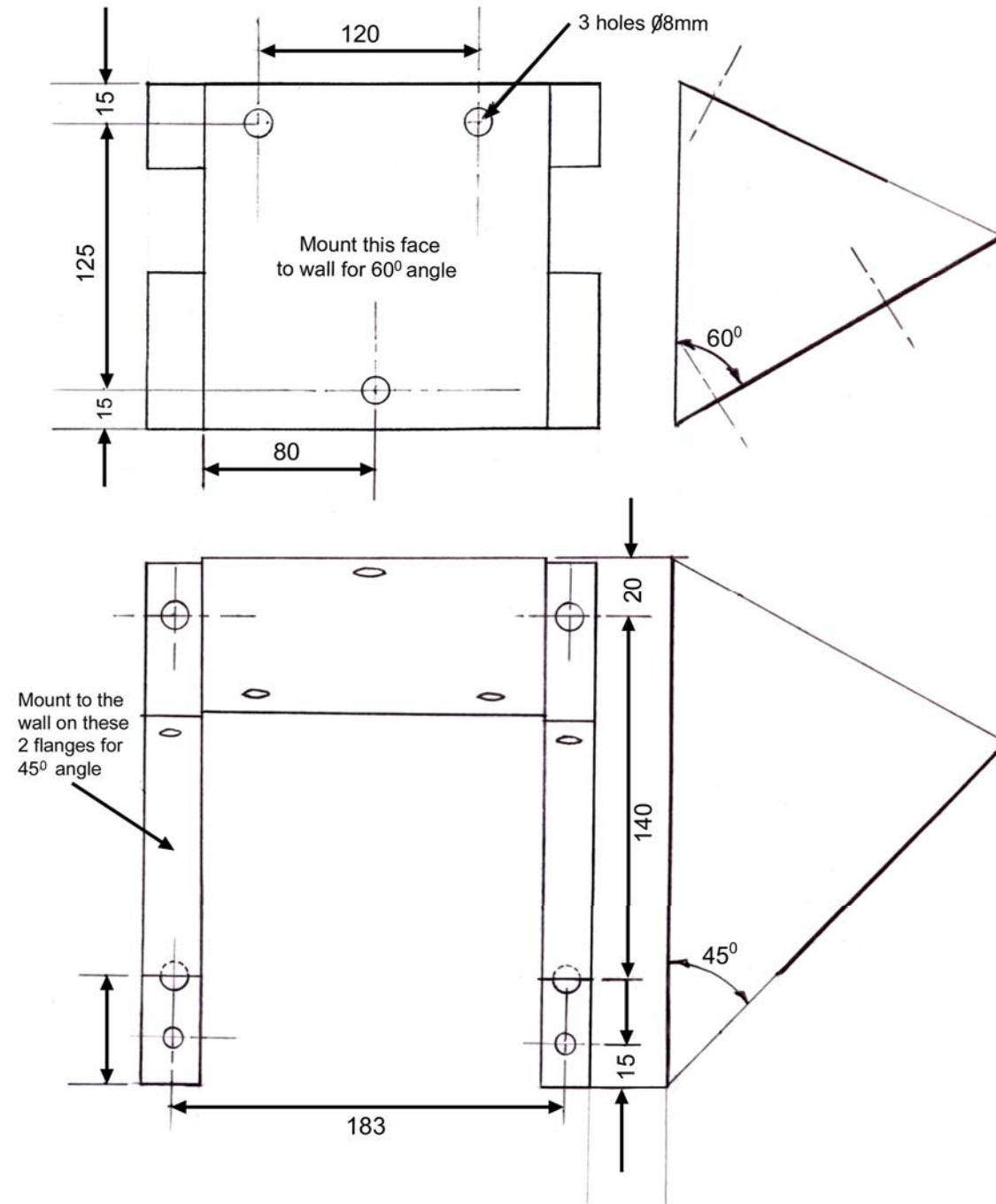
The radiated heat from the heater is considerable and must be taken into account when positioning the heater. Ensure that the heater is not used in close proximity to the body.

The heater is not flameproof and must not be used when flammable dusts, gases, or vapors, etc. are likely to be present in the atmosphere. If in doubt, advice should be sought from the Health and Safety Executive authorities or local fire officers.

Quartz lamps are extremely fragile and must be handled with extreme care at all times. Avoid touching the surface of the quartz sleeve with bare fingers. If the sleeve is accidentally touched remove the fingerprint with a soft cloth moistened with methylated spirits.

### 2. POSITIONING

The location of the heater should be such as to allow an even and uninterrupted distribution of heat to the area(s) to be heated. Heaters are most effective when the beam angle is inclined down at an angle of 60\* and 45\* to the vertical.



### 3. MOUNTING

When deciding upon the best location, consideration must be given to the following requirements:

1. Avoid vibrating structures, which could otherwise adversely affect lamp life.
2. It is very important to ensure that the heater is mounted horizontally, otherwise the operating life of the lamp could be impaired.
3. Allow a minimum of 0.5 metre clearance between the edge of the heater and the adjacent wall facing that edge.
4. Allow a minimum height of 2.5 metres from the base of the to the floor. Recommended height from the base of the heater to ground is 2.5/3.5 metres).

5. If more than one heater is to be installed, ensure that the lamps of adjacent heaters are more than 3.5 metres apart

### 4. MOUNTING BRACKETS

The heater is supplied with a bracket, which may be fixed through the mounting holes to any suitable structure. The multi-bracket provided allows for secure fixing of your heater at either 60\* or 45\* from vertical, according to orientation. The heater must be secured onto the bracket.

Warning – The heater is designed to be wall mounted only – It must not be ceiling mounted. Do not mount heaters closer than 3.5 metres from curtains or similar soft furnishings.

### 5. ELECTRICAL EQUIPMENT

Wiring to heater must be installed in compliance with the requirements of the IEE Regulations.

All heaters are suitable for use on 230/240V single-phase supplies.

Wiring between the heater and the spur outlet or isolation switch must be in a heat resisting cable (e.g. butyl rubber or high temperature PVC insulated).

An all pole-isolating switch with a minimum separation of 3mm in each pole must be fitted adjacent to the heater to facilitate local isolation.

If miniature circuit breakers are to be used, to avoid 'nuisance tripping' due to the high inrush at switch on, a type 3MCB with a tripping coefficient of 7-10 times rated current should be used. Any other switching device should be Tungsten lamp load rated.

### 6. INSTALLATION

1. Checks on the electrical installation should include earth continuity and insulation tests must be undertaken by Qualified Electrician.
2. Check that the mounting bracket is mounted and securely fixed in the vertical position such that the lamps remain in a horizontal position.
3. Ensure that all the electrical connections at the lamps and the terminal rails have been made correctly, that they are tight and that there is no loose or frayed wire.
4. Replace and secure the front panel.
5. Switch on the heater and check that the lamps are all operating. If time or temperature controls are fitted check these for correct and safe operation by reference to the supplier's instructions.
6. In the event of the premises being unoccupied then leave the heater switched off and isolated from the electricity supply. Leave instructions adjacent to the electricity meter.

### 7. MAINTENANCE

Before undertaking any maintenance work on the heater due attention must be paid to the following:

- a. Always disconnect the heater from the electricity supply before attempting to work on or near it.
- b. Always ensure a safe means of access using an access tower or properly supported ladder.
- c. Some types of quartz lamps run with an internal pressure in excess of atmospheric and while construction is very strong there is a slight risk of shattering. If it is necessary to examine a bare lamp whilst in operation then a protective screen must be used. The front panel must be replaced before testing.

Allow adequate time for the lamps and body casing to cool before attempting to work on the heater.

Little maintenance is required beyond cleaning and lamp replacement. It is, however important that the lamp(s) and reflector(s) are free from dirt as this can cause a build up of heat and eventual damage. For this reason the heater must be inspected regularly, depending upon conditions and at least annually.

### 8. LAMP REPLACEMENT

#### Warning

The lamp is extremely fragile and must be handled with great care.

1. Disconnect heater from power supply.
2. Detach heater from its mounting position.
3. Unscrew the front panel by loosening the fixing screws, and then lift front panel clear. Disconnect the wires to the old lamp by removing the female tags from the terminals.
4. Remove the lamp by gently releasing the ends from the spring clips. Keep the lamp square and do not twist the ends or apply undue force.
5. Before removing the new lamp(s) from its protective packing it is important to be aware that quartz lamps are fragile and must be handled with care at all times. Avoid touching the surface of the quartz sleeve with bare fingers. If the sleeve is accidentally touched remove the fingerprint with a soft cloth moist with methylated spirit.
6. Hold the lamp firmly but gently at each end and offer up to the spring mounting clips. The wire leads should face towards the front of the heater. Push the lamp fully into the end clips taking care to keep it square. Do not twist the ends or apply undue force. If either end of the lamp will not easily engage in the spring clips remove the lamp and gently ease the spring.
7. The wire from each end of the lamp must be connected to the relevant male terminal.
8. When the lamp has been fitted check that the electrical connections have been correctly made. Re-fit the front panel, checking that wires are not trapped.
9. Ensure screws of front panel are fully tightened for water sealing.

Spare lamp – part number: HE7906G