

# electric radiant heater

Instruction Manual



## introduction

The Electric Radiant heater produces heat like the sun, warming people and objects and not the air in between, providing the only form of heat that will not blow away. The Algarve is primarily designed for outdoor use and it is therefore weatherproof. (IP54 rated & UL Listed)

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.

## before using this appliance

- Check that the voltage indicated on the type plate corresponds to the main supply voltage.
- Ensure that the heater has been securely fastened to the mounting.
- Disconnect main power during installation, cleaning and/or emitter replacement and ensure that the emitter is cool.
- **Do not handle the halogen emitter with bare hands. If it is advertently touched, remove finger marks with a soft cloth and methylated spirit or alcohol, otherwise the marks will burn into the quartz, causing premature heater failure.**
- Touch the front glass as little as possible in order to avoid unsightly grease residue.
- Do not use an extension cable with this product
- Keep the main cable away from the body of the heater which will get hot during use
- Do not cover or obstruct the heater when in use.
- Ensure that children do not tamper with the heater.
- Do not use if glass is broken

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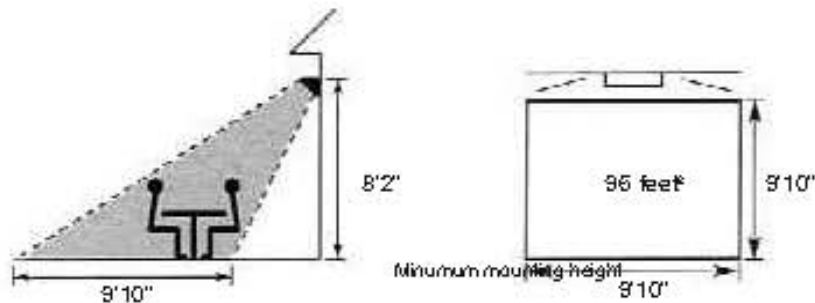
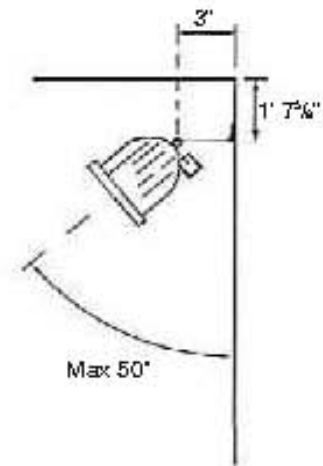
# electric radiant heater

## risk of fire

Keep combustible materials such as furniture, papers, clothes and curtains **at least 3 feet** from the front of the heater and away from the sides and back. If the heater is to be used outside, a weatherproof outlet is recommended.

**Specification - Table 1**

Part No.	ALG-212
Voltage (V)	120
Total Power (KW)	1.2
Amps (A)	10
Minimum mounting height from floor	8'2"
Minimum distance from ceiling	1'7 5/8"
Minimum distance from side wall	4'11"
Dimensions W x H x D	15 3/4" x 7" x 5 3/4"
Weight	4.5 lb.
Insulation Class	1
Lampholder	R7S
Ingress Protection	IP54



\*All measurements are approximate and can be subject to change without prior notification.

## installation

### wiring

- Warning – this heater must be grounded
- The wired versions (212/US) are fitted with a 16'5" power cord with a molded plug, therefore it is unnecessary to remove the terminal box cover in order to carry out normal installation of these models
- All installations must be in accordance with the I.E.E. safety regulations or equivalent.
- All unwired versions should be installed by a suitably qualified electrician, following the instructions below.

# electric radiant heater

- When the electrical connection is outside, it is recommended that a waterproof socket is used for the connection / termination.
  - If any trouble, please see a suitable qualified electrician – or contact ptg | event services 888.401.2020
1. Unscrew the terminal box cover at the back of the heater and feed the supply cable through the compression fitting.
  2. Use a heat resistant supply wiring with ground. The live and neutral wires must be covered with the protective silicon casings provided before connecting them to the terminal block. – see figure 1
  3. The green/yellow wire should be connected to the clamp marked with the ground symbol
  4. Tighten the barrel nut of the compression fitting so the rubber seal grips the cable. The seal can be adjusted to accommodate cables of approx 3/8" diameter. – see figure 2
  5. Replace the terminal box cover and tighten the screws
  6. Ensure that the cover is secured well to prevent water ingress

## mounting

- Allow the heater to cool before attempting to reposition/move. Never attempt to move the heater with it switched on.
  - The heater must be mounted in such a way that the halogen emitter does not slant more than 4" from the horizontal.
  - Observe the minimum safe distance between the heater body and inflammable surfaces when mounting.
  - Please refer to table 1 for the recommended position of the heater
  - Keep out of the reach of children.
1. Securely fasten the bracket to the mounting surface using the fixing holes in the mounting bracket. The torque of the bracket fastening screws must be at least 8Nm
  2. Securely fasten the heater on the bracket using the nut and bolt supplied - see figure 1 & 2

## maintenance

In the event of heater failure or for spare parts, please contact ptg | event services at 888.401.2020.

- Disconnect the power before starting any maintenance procedure including cleaning.

# electric radiant heater

- To ensure optimum heat effectiveness, it is recommended that after the heater has been used for approximately 80-100 hours, that the front glass is opened and both the front glass and the reflector are wiped with a lint-free cloth before resealing.
- If at any time, a white deposit is seen on the inside of the glass or on the reflector, either or both should be cleaned with a dust-free cloth.
- The heater is supplied with toughened safety glass. In the unlikely event that this should become cracked, discontinue use and contact ptg | event services for a replacement.

## replacing the emitter

1. Disconnect the power supply and ensure that the emitter is not illuminated and that the heater body and emitter are cool.
2. Unscrew the back two screws at top of the casing – see figure 1
3. Open hinges front cover – see figure 1
4. IF FITTED WITH SPRING LOADED HOLDERS FOLLOW STEPS 1-3 THEN:
  - a. Remove the emitter from the spring loaded holders, by pushing one end further into its holder and pulling the end that is now free towards you. – see figure 4
  - b. Refit in reverse order.

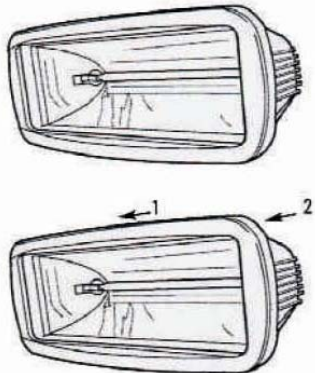


Fig. 1

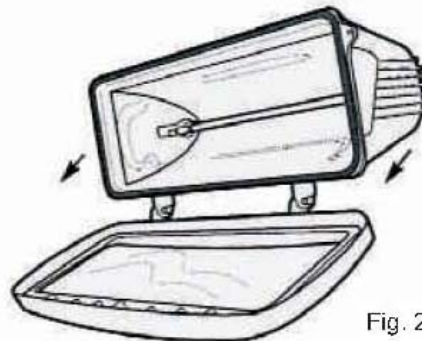


Fig. 2

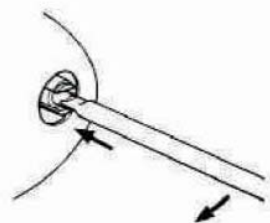


Fig. 4