



**INSTALLATION OPERATION AND
MAINTENANCE INSTRUCTIONS
EXHEAT MODEL HEF
ANTI-CONDENSATION HEATER**

1.0 GENERAL

- 1.1 All work should be carried out by suitable qualified personnel.
- 1.2 Carefully remove all packaging and visually inspect unit for any transit damage.
- 1.3 Before connection ensure that the supply corresponds with that specified on the rating label.
- 1.4 Each heater must be protected by a suitably rated over current device.
- 1.5 All prevailing rules, regulations and bylaws in force at the time and place of installation must be observed.
- 1.6 Any modification not carried out by Exheat Limited or its approved agent will invalidate certification and warranty.

2.0 INSTALLATION

- 2.1 The Heater must be installed in accordance with IEC / EN 60079-14
- 2.2 The heater should be securely fixed in position and all connections checked for tightness before energising.
- 2.3 The HEF heater is designed for use inside an enclosure. The supply cable is not suitable for use outside an enclosure and must be protected from all risk of damage.

3.0 ELECTRICAL SUPPLY & EARTH

- 3.1 Connections to the Heater is made via the cold lead extending from the module and must be made via suitably certified terminals in a suitably certified enclosure.
- 3.2 Caution the Heater MUST BE EARTHED
- 3.3 The supply must be connected as below:
 - Green and yellow - earth
 - Brown - phase
 - Blue - neutral


4.0 OPERATION

- 4.1 Once energized the unit will continually self regulate until de-energised by an external control device (available separately). As the ambient temperature increases, the power output of the heater will reduce.
- 4.2 The HEF anti condensation heaters are designed to operate in ambient temperatures of -60°C (minimum) up to +80°C (maximum) and the user must ensure that the heater is not operated in ambient temperatures outside this range at any time.
- 4.2 No adjustments of this unit are facilitated.

5.0 MAINTENANCE

- 5.1 All prevailing site safety regulations shall be adhered to at all times.
- 5.2 Before and whilst any maintenance activity is carried out, it must be ensured that there are no hazardous gases present.
- 5.3 Equipment is to be fully isolated from the electrical supply before and whilst any work is being carried out.
- 5.4 Reference must be made to IEC / EN 60079-17 (especially table 1) in addition to the following:-
- 5.5 6 Monthly
 - a) Generally, inspect the equipment for external damage.
 - b) Ensure the location is clean & any dust deposits are removed.
 - c) Ensure that the supply terminations are secure.
- 5.6 Any damage or faults should be notified to Exheat Limited immediately.
- 5.7 There are no user-serviceable components within the heater and no dismantling or assembling is permitted.

6.0 Marking and certification reference

- 6.1  II 2 G (ATEX certified units only)
Ex e II T4
LCIE 02 ATEX 6123 X (ATEX certified units only)
IECEx LCI 07.0004X (IECEx certified units only)



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