



VULCANIC S.A. - 48, rue Louis Ampère
 Zone Industrielle des Chanoux - F 93330 NEUILLY / MARNE (France)
 Tél. (33) 01.49.44.49.20 - Fax (33) 01.49.44.49.41



OWNER'S MANUAL

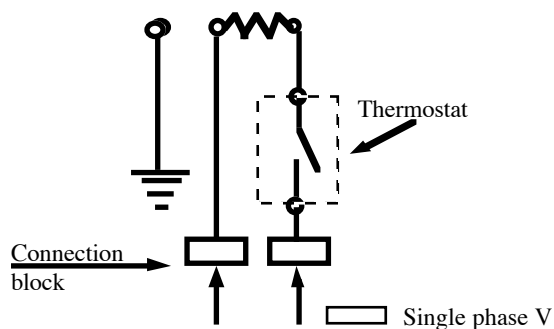
TYPE 6007 and 6103 HEATERS

1 - PRECAUTIONS FOR USE : Check that:

- 1.1 - The power supply voltage used is that mentioned on the indicator plate.
- 1.2 - The heater is installed in the horizontal position (attaching lugs on the floor or on wall brackets).

2 - ELECTRICAL CONNECTIONS :

- 2.1 - Ensure direct connection on the terminals of the finned heating elements for the heaters without thermostat and to connection blocks for those which are fitted with them.



- 2.2 - The ground terminal must be connected to the installation earth.
- 2.3 - Check that all the connections are tight.

3 - COMMISSIONING PROCEDURE :

- 3.1 - Check that nothing is obstructing the natural convection of the heater: DO NOT COVER.
- 3.2 - Switch on the heater.
 Adjust the thermostat if there is one: First check that the control knob switches the heating on and off.
 Note : The information on the thermostat vernier is not significant for the ambient temperature setting of the room. The latter will depend on the installation conditions. Proceed by successive touches until the required temperature is obtained.

4 - MAINTENANCE :

- 4.1 - After 50 hours of operation : Check that all the connections of the heating elements are well tightened.
 Tightening torque on the heating element : 2.5 mN.
- 4.2 - Every year : Same operation as in 4.1. Besides, check that the heating elements are not dirty. Clean them if necessary.
- 4.3 - In case the heater remains for long periods without heating with non-controlled relative humidity in the room: switch on the heater for 4 hours minimum to expel all absorbed humidity. Immediately after this heating period, measure the insulation with respect to ground: the value measured at 500 V DC must be higher than one megohm.

4 - **GUARANTEE** :

The warranty complies with the inter-union agreements of the Electrical Construction industry and our general terms and conditions of sale

We guarantee compliance of the materials used and any surface coatings, as defined in our documents.

Any deterioration resulting from :

- usage at more than 10% above the specified rated voltage,
- wear caused by lack of maintenance, impact, clumsiness or inexperience of the user,
- non-compliance with these instructions, with normal working practices and with legislation,
- corrosion or scaling,

cannot be deemed to invoke any responsibility on our part.