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OPERATING INSTRUCTIONS FOR GENLAB INDUSTRIAL AIR HEATERS



1. UNPACKING

- 1.1 Remove all packing material from between the shelves and inner walls of the oven.

2. MAINS SUPPLY

- 2.1 **240-volt units.** Each unit comes supplied with a mains connection lead already fitted with a correctly rated fuse. The fuse rating and other details for each unit is shown on the voltage plate riveted to the back of the unit. It is important that, if the fuse needs to be replaced, it must only be replaced with one of the correct rating.

3. OPERATION - DIGITAL CONTROL

- 3.1 Insert Type K sensor into the panel socket, without any probe connected, the heaters will not turn on.
- 3.2 Place a sensing part of the thermocouple to the desired location of where you want to control the temperature at
- 3.3 Switch 'ON' the mains switch, indicated by the green lamp.
- 3.4 Press the 'up' or 'down' button on the digital controller to your desired temperature set point. The controllers have been pre configured to optimum settings and have been set to a maximum set point temperature of 150 deg C. If you need to go higher then this, please contact the manufacturer
- 3.5 Turn the overheat thermostat dial (red cap) to approximately 30°C above the desired working temperature (Please note this is the approximate maximum temperature of the air leaving the chamber and used as a safety cut off if the air is getting to warm).

- 3.6 If the chamber temperature rises above the overheat set temperature, the red lamp will be illuminated and the heat control circuit will be disabled. Control will switch back the main temperature control once the chamber temperature falls below the overheat set temperature by pressing the manual reset button. If the red lamp will not go out or keeps coming on there may be a problem with the unit. *In this case please consult your supplier.*
- 3.7 When you have finished with the air heaters, turn the heater elements down before you turn the oven off to reduce thermal shock of the heaters. The easiest way to do this is to either turn the control temperature down or to turn the overheat dial to the lowest position which will keep the fans on and the elements turned off. Run the air heaters for around 1 minute in this mode to reduce any thermal shock

4 MAINTENANCE - ROUTINE CHECKS ON EACH OCCASION OF USE:

- 4.1 Check the condition of supply lead and plug top. These should be sound and undamaged.
- 4.2 Connect to mains supply and check:-
- ✓ Supply switch operation.
 - ✓ Green Supply indicator is working.
 - ✓ Check at working temperature, that the heat indicator (amber lamp) cycle's on and off without the overheat (red lamp) illuminating.

5 PREVENTATIVE MAINTENANCE

Ensure that the unit is maintained in a clean, dry condition and when not in use, stored in a normal warm atmosphere.

Minimum recommendation every six months:-

- 5.1 Check the plug top connections are tight and the fuse rating is correct.
- 5.2 Check the operation of the overheat protection system by raising the desired temperature above the overheat temperature.
- 5.3 Carry out an electrical safety check (Portable Appliances) using an appropriate appliance tester operated by a competent person.
- 5.4 Check that the control temperature is maintained within limits.
- The manufacturer can offer the above service on request.