

OUTLINE

The IGV 2000 E and IGV 2000 ER are electrical heating units cast in the foundation slab designed as heating and energy supply equipment for the LEGALETT Heated Foundation.

For foundation use, remove furnace box feet. For intermediate floor use, leave furnace box feet installed.

The IGV 2000E contains 2 thermostatically controlled 1kW electrical elements and a 0.1 kW fan. The electrical elements are controlled by a single thermostat.

The IGV 2000 ER has the same design but is controlled by 2 thermostats in 2 heating zones.

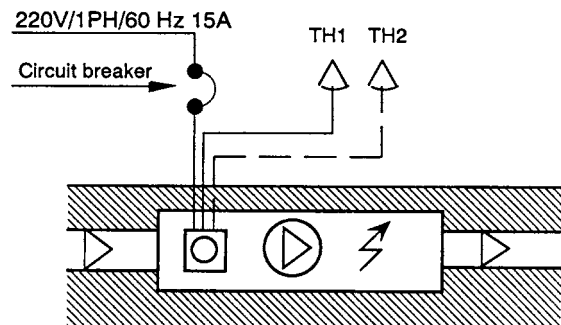
TECHNICAL DATA

Operating voltage 220V/1PH/60 Hz
Output, electrical heating 2x1000 W
Output fan motor 115 W

Air quantity400-550 m3/h
Breaker GFI 15 A

OPERATION

The IGV 2000 E and IGV 2000 ER are controlled by a room thermostat. The unit is also equipped with overheating protection. Manual resetting is done by shutting off and switching on the circuit breaker.

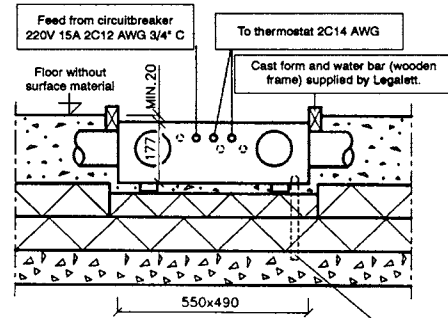


FURNACE BOX INSTALLATION

PRIOR TO PLACING CONCRETE

1. The IGV 2000 E or ER heating unit is set up on the insulating sheet with the unit's upper edge a min. of 20 mm under the level of finished concrete surface of the floor. Make a hole to allow for drainage of the unit.
2. The space between the insulation sheet and the unit's lower edge is filled with concrete the day before the concrete slab is cast to anchor the unit.
3. A 3/4" conduit is run from the cable inlet on the unit to the circuit breaker on the wall, and from the cable inlet to the room thermostat(s).
4. The ducts in the concrete slab are laid in accordance with a separate drawing.

THE LOCATION OF THE HEATING UNIT IN THE FOUNDATION IS DESCRIBED IN GREATER DETAIL IN THE SECTION DRAWING FOR THE FOUNDATION CONCERNED

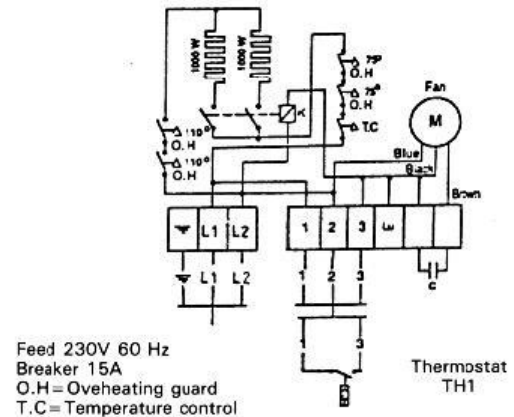


5. Prior to placing concrete, the furnace box should be covered with plastic sheeting to protect the unit from water and concrete. The wooden frame can secure the plastic sheeting in place.

CONNECTION

1. Clean the heating unit box carefully. There should be no water or dampness in the box or ductwork when the equipment is set up.
2. Mount the assembled unit, comprising the fan, heating elements and other electrical equipment in position in the box with the terminal block turned towards the electrical inlet. Screw tight.
3. Straighten the capillary tube carefully and insert the bulb and the tube through the inlet so that the excess tube is outside the electrical space. Roll up excess tube. Remove the protective paper from the double-adhesive tape on the bulb holder. Attach the holder and bulb to the metal up to the rubber inlet.
4. Check the electrical data on the unit so that other installation materials are compatible.
5. An ISA 2-pole GFI breaker must be installed on the wall next to the unit.

IGV 2000 E



1. It should not be possible to turn on the current to the elements without the prior or simultaneous starting of the fan motor.
2. The conduits which run to the unit are sealed using electrical putty after the electrical leads have been installed.
3. The installation must be carried out by an authorized electrician.

OVERHEATING GUARD

If the overheating protection has been released, the following should be observed:

1. Turn off the current.
2. Investigate carefully the reason for the release of the overheating guard.
3. Any measures should be taken by an authorized electrician only.
4. The overheating guard is reset by turning off and switching on the circuit breaker.

IGV 2000 ER

