

CE

The DHM Range

Users Instructions

WARNING: THIS APPLIANCE MUST BE EARTHED

£1.00 When supplied separately.

DHM Range Issue 1 July 1999

1. Lighting the Module

NOTE: On initial lighting of the module, it may take some time to purge the internal pipework of air. If it is not possible to light the module after several attempts contact the local service company.

1. To Start the Module

1.1 Follow the start up instructions for the duct heater or air handling unit.

1.2 When all external and internal controls are calling for heat the burner start-up sequence will commence. The exhaust fan will run and after a pre-purge period of approximately 30 seconds an ignition spark will be generated at each burner.

The main gas valves will open and the burners will be established

NOTE: If any burner fails to establish it will go to lockout and the lockout indicator / reset button on that burner control box will be illuminated. To restart the burner push the lockout reset button.

If a burner will not light after four or five attempts then shut down the unit and call in a service engineer.

NOTE: If there is loss of flame signal at any burner during normal running the control box will immediately initiate spark ignition. If the burner fails to relight it will go to lockout.

2. To Shut Down the Module

2.1 For Short Periods:

Follow the instructions provided with the duct heater or air handling unit so that external and/or internal controls are not calling for heat.

2.2 For Long Periods:

Complete 2.1 above, wait approximately 4-5 minutes for the exhaust fan of the module to stop running and then turn OFF the gas and electric supplies to the module.

3. Description of Operation

Important: All heaters must be controlled by the fitted external controls and not by use of the main switch in the electrical supply to the heater.

The burner start up sequence will commence each time that the external controls call for heat. The exhaust fan will run and after a pre purge period off approximately 30 seconds an ignition spark will be generated at each burner. The main gas valves will be opened and the burners established. When the external controls are satisfied the burners will be turned off and approximately 4 - 5 minutes later the exhaust fan will be automatically stopped.

4. Limit Thermostat

The limit thermostat is mounted towards the top of the module inner panel.

i) Limit Thermostat Reset

In the event of a fault that causes the temperature of the air within the module to rise significantly e.g. Blocked air inlets, the limit thermostat will operate to shut down the burners. Remove the cause of the fault, wait 10 minutes and then reset the thermostat by pushing the red reset button (*Refer to Figure 1*). If the limit thermostat continues to operate call a service engineer.

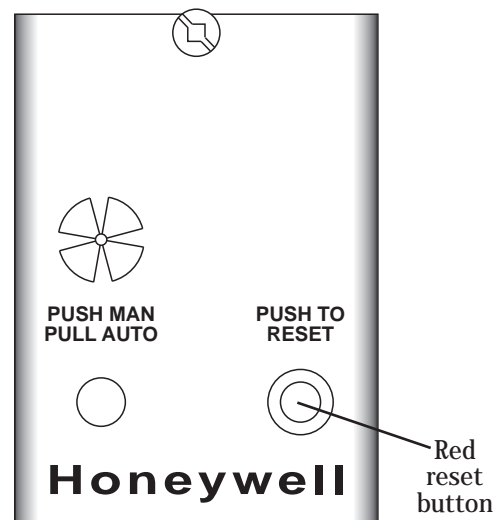
5. Maintenance

Regular servicing is essential to maintain efficient, reliable and safe operation of the module. Users are strongly recommended to have the module serviced at least annually and preferably at the end of the heating season.

6. IMPORTANT

Free access must be maintained to and around the module for servicing purposes and the air supply to the heater must not be restricted in any way. Combustible materials must not be stored adjacent to the module or the unit it is fitted into. If at any time a gas leak is suspected turn OFF the gas supply - DO NOT USE A NAKED FLAME - and contact the local gas undertaking immediately.

Fig 1. Limit Thermostat





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