



**powrmatic**



# **The DHM SL Range**

## **Users Instructions**

**WARNING: THIS APPLIANCE MUST BE EARTHED**

£1.00 When supplied separately.

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## 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 the burner.

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

**NOTE:** *If the burners fail to establish they will go to lockout and the lockout indicator / reset button on the pcb will be illuminated. To restart the burner push the lockout reset button.*

If the burners 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 the burners during normal running the control box will immediately initiate spark ignition. If the burners fail to relight they 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 the burners. 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 control 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 white reset button. 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.

### Gas Safety (Installation & Use) Regulations (Current Issue)

It is law that all gas appliances are installed, adjusted (converted if necessary) and serviced by qualified persons\* in accordance with the current issue of the above regulations. Failure to install appliances correctly can lead to prosecution. It is in your own interests and that of safety to ensure that the law is complied with.

\* e.g. Corgi Registered

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