



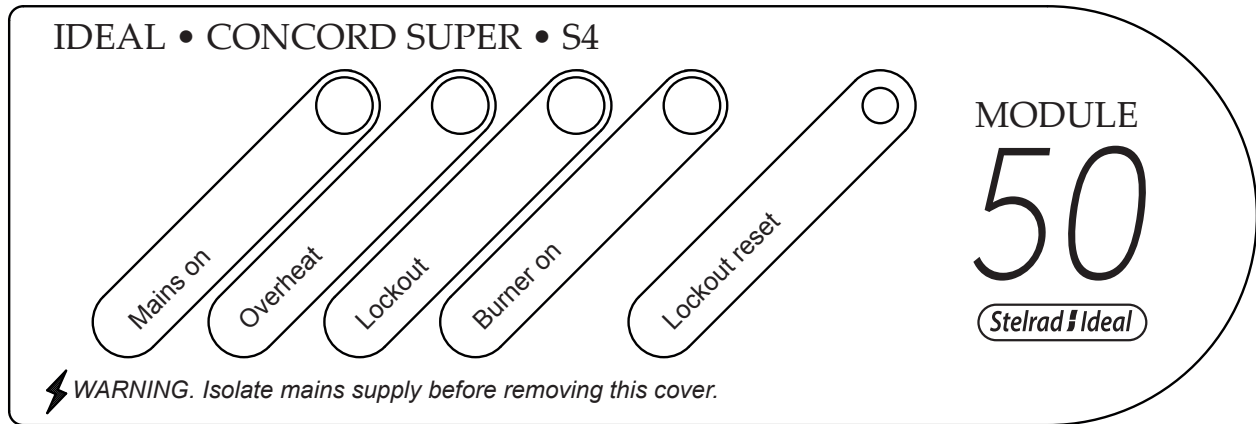
# USER GUIDE

## IDEAL CONCORD SUPER SERIES 4 50 TO 600 VERTICAL & 250 TO 600 HORIZONTAL, MODULAR GAS FIRED BOILERS

When replacing any part on this appliance, use only spare parts that you can be assured conform to the safety and performance specification that we require. Do not use reconditioned or copy parts that have not been clearly authorised by Ideal.

For the very latest copy of literature for specification and maintenance practices visit our website [www.idealcommercialboilers.com](http://www.idealcommercialboilers.com) where you can download the relevant information in PDF format.

## 1 MODULE CONTROL PANEL



The Gas Safety (Installation & Use) Regulations: 1984 impose certain statutory obligations on gas users. Further information may be obtained on application to the Gas Region.

This appliance should be installed by a qualified installer.

**WARNING: This appliance must be earthed.**

### TO LIGHT A MODULE (See Frame 1)

1. Ensure that water is flowing through the boiler and that all external controls are turned ON.
2. Check that the main inlet gas service tap is ON.
3. Turn the module gas service tap to ON.
4. Switch the electrical supply to the boiler ON. The following sequence of events will now take place:

(a) The 'Mains On' light will be illuminated.

#### (b) For multi-module boilers

All the fans will start and run for approximately 30 seconds then, depending on the module's position in the switching sequence, the fan will stop for a period of up to 50 seconds, restart and run for a further 15 seconds. The operation is part of the pre-purge safety feature of the **Ideal Concord Super** boiler.

#### For single-module boilers

For single-module boilers with no wiring centre, the fan will start and run for approximately 15 seconds.

(c) At the end of this period the ignition cycle will commence. The ignition electrode will spark to the burner, the gas valves will open and the burner will light. The 'Burner On' light will be illuminated.

(d) The burner will continue to fire until the thermostat is satisfied. The gas supply to the burner will then be cut off and the fan will stop. The 'Burner On' light will go out.

#### Note:

If the burner fails to light the 'Lockout' light will illuminate at the end of the 4 second ignition sequence.

#### To Attempt Re-ignition:

If a module indicator panel is signalling 'Lockout' wait for 15 seconds then press in and release the recessed reset button, using a pen or similar tool. The ignition sequence will recommence. If, after three attempts, the burner does not light a qualified gas/heating engineer should be consulted.

### SAFETY TEMPERATURE LIMITER

Each module is fitted with a safety temperature limiter.

If the safety temperature limiter has tripped the 'Overheat' light will be illuminated.

Tripping of the safety temperature limiter must be investigated by a qualified gas/heating engineer.

### MODULE ELECTRONIC ADJUSTABLE CONTROL THERMOSTAT

#### All Models

The module control thermostat has been set by the boiler commissioning engineer, to give the correct sequence of module operation.

#### IMPORTANT

The control thermostat should NOT, therefore, be readjusted by the user.

## TO SHUT DOWN A MULTI-MODULE BOILER

1. For short periods:

Turn off the electricity supply to the boiler.

2. For longer periods:

Turn OFF the mains electricity supply.

Turn OFF all module gas service taps.

Turn OFF the main inlet gas tap.

Turn water and all system controls to OFF.

## FROST WARNING

If frost is likely during a short absence, leave the boiler running.

For longer periods, unless the controls include a frost thermostat, the system should be drained.

## MAINTENANCE

### IMPORTANT

In order to ensure safe and reliable operation of **Ideal Concord Super** boilers it is essential that regular maintenance be carried out by a competent staff who have received instruction in maintenance, fault finding and commissioning procedures for this boiler series.

1. Towels etc., MUST NOT be draped over the boiler case.
2. The user MUST ensure that the boiler-house is maintained in a clean and tidy condition and that NO loose items can fall onto the boiler.

The boiler should NOT be operated during the course of building, painting, piping or lagging work etc., in the boiler-house.

When such work is in progress, the modules should be covered by means of clean dust sheets.

3. The passage of combustion and ventilation air to the boiler MUST NOT be restricted.
4. The boiler-house MUST NOT be used for storage purchases.
5. Flammable materials MUST NOT be stored on or near the boiler.

## ESCAPE OF GAS

### DO NOT search with a NAKED flame.

Should a gas leak be suspected, contact your local gas region without delay.

Ideal Boilers Ltd. pursues a policy of continuing improvement in the design and performance of its products.  
The right is therefore reserved to vary specification without notice.

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