

KESTON

Celsius 25

Users Instructions

The Gas Safety (Installation And Use) Regulations: 1996 (as amended) impose certain statutory obligations on gas users. Further information regarding these regulations can be obtained from your Gas Supplier.

All gas appliances must be installed by competent persons by law in accordance with these regulations. Membership of CORGI is indication of such a competent person with regard to gas installation.

It is in your interests, and that of safety, to ensure that the appliance is installed correctly and that the law is complied with. Failure to do so could lead to a hazardous &/or potentially dangerous situation.

Introduction

These instructions should be carefully read to ensure safe and economical use of your boiler.

The Keston Celsius 25 is a high efficiency central heating condensing boiler designed to provide central heating and indirect sanitary hot water supply.

They are designed for use with fully pumped systems only. This boiler is supplied for natural gas use only.

Servicing

To ensure continual safe and efficient operation of the boiler it is recommended that the appliance be checked and serviced as necessary at regular intervals. Generally once per year will be sufficient. It is the law that any servicing must be carried out by a competent person.

NB: There are no user servicable parts inside the boiler cabinet. The cabinet should only be removed by a qualified competent person.

Clearances

If fixtures are to positioned close to the boiler the following minimum clearances must be observed: Top : 100 mm, Bottom : 100 mm, Left : 1 mm, Right : 1 mm & Front : 305 mm. Extended clearance is required to the front to allow for access for servicing.

Cleaning

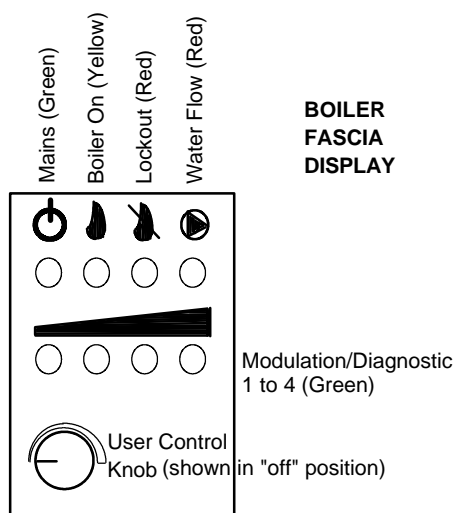
Normal casing cleaning only requires dusting with a dry cloth. To remove more stubborn marks wipe with a damp cloth and finish with a dry cloth.

Boiler Setup

- 1) Check that the gas supply from the gas meter is turned ON
- 2) Switch on the electric supply to the boiler and controls and set the heating controls to call for heat.

To Light The Boiler

Switch the user control knob fully anticlockwise to the standby position. Wait 5 seconds then turn the user control knob clockwise to the temperature required. The



following sequence will occur:

- 1) The Mains (Green) LED will illuminate continuously. If the green lamp flashes slowly set your external controls to ON.
- 2) After about 15 seconds the module will ignite and the Boiler On LED (Yellow) will illuminate continuously.
- 3) The boiler will adjust the output to best match the demands of the system. The Modulation/Diagnostics LED's (Green) will indicate the output of the boiler at any given time.

The boiler is now running correctly and will proceed to switch itself on and off as the heating reaches its operating temperature.

If the Boiler On (Yellow) LED goes out and the Lockout (Red) light flashes, due to a failure to ignite or an interruption to the gas supply, turn the User Control Knob to the standby position (fully anticlockwise), wait for 10 seconds and turn the boiler on again as described above in **To Light The Boiler**. If the boiler still fails to ignite after five successive attempts contact your Installer or Service Engineer.

Precautions

Care must be taken at all times to ensure that no blockage or obstruction is present in the condensate drainage line. In addition the air intake and flue exhaust terminals of the appliance must be free of obstruction at all times.

Frost Protection

The Celsius 25 has an integral frost protection thermostat. However, care should also be taken to ensure that any exposed pipework is adequately insulated to prevent freezing.

Gas Leak or Fault

If you suspect a gas leak turn off the appliance immediately, turn off the gas tap to the appliance and contact your local gas region without delay.

If you suspect a fault with the appliance it must not be used until the fault has been corrected by a competent person.

In the unlikely event of a breakdown consult your Installer or Service Engineer

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USER FAULT DISPLAY TABLE

| MAINS (GREEN) | BOILER ON (YELLOW) | LOCKOUT (RED) | OTHER LAMPS | FAULT DESCRIPTION ACTION TO TAKE |
|--------------------------|-----------------------------------|----------------------------------|------------------------|--|
| OFF | OFF | OFF | - | No power to boiler. Check power supply. |
| Rapid Flash | OFF | OFF | - | Boiler off on front. Turn User Control Knob to On. |
| Slow Flash | OFF | OFF | - | External controls not calling for heat. |
| ON | OFF | Flashing once every 2 seconds | DIAG LED 1 ON | Flow Overheat. Reset boiler off then on via User Control Knob. If problem persist call Service Engineer. |
| ON | OFF | Flashing once every 2 seconds | DIAG LED 2 ON | Cabinet overheat. Call Service Engineer. |
| ON | OFF | Flashing once every 2 seconds | DIAG LED 3 ON | Flue Overheat. Call Service Engineer. |
| ON | OFF | Flashing twice every 2 seconds | DIAG LED 1 OR 2 ON | Ignition failure. Reset boiler off then on via User Control Knob. If problem persists call Service Engineer. |
| ON | OFF | Flashing 3 times every 2 seconds | DIAG LED 1 OR 2 ON | Sensor failure. Call Service Engineer. |
| ON | OFF | Flashing 4 times every 2 seconds | - | Water pressure low. Top up system pressure (if sealed system). If problem persist call Service Engineer. |
| ON | OFF | Flashing 5 times every 2 seconds | - | Fan failure. Call Service Engineer. |
| ON | OFF | Flashing constantly | - | Reset boiler off then on via User Control Knob. If problem persists call Service Engineer. |



BENCHMARK INITIATIVE

As part of the industry wide "Benchmark" Initiative all Celsius 25 boilers now include a Benchmark Installation, Commissioning and Service Record Log Book. This log book should be completed by your installer at the end of the installation and commissioning process. The details of the Log Book will be required in the event of and warranty work being required. There is also a section to be completed after each regular service visit.

This log book should be kept in a safe place for the life of the boiler.

The boiler should be installed and serviced only by CORGI registered operatives. All CORGI registered Installers carry a CORGI ID card, and have a registration number. **Both should be recorded in your Benchmark Log Book.** You can check your installer by calling CORGI direct on 01256 372300.