

CONDENSING LOW NOX SYSTEM INNOVATION SUPER HIGH EFFICIENTY AUTOMATIC MODULATING COMBINATION BOILER FOR CENTRAL HEATING AND DOMESTIC HOT WATER

USER'S GUIDE

CSI 120(T) Low Nox (with or without built in timer)

It is the law that all gas appliances are installed by a competent person, in accordance with the gas safety installation and use current regulations.To the current Gas Safety (Installation and Use) Regulations B.S.5440:2-(2000).

All CORGI registered installers carry a CORGI ID card and have a registration number. Both should be recorded in your boiler Log book. You can check your installer by calling CORGI direct on 01256 732300.



The code of practice for the installation, commissioning & servicing of central heating systems

ESCAPE OF GAS

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

Do NOT search for gas leaks with a naked flame.

WARNING: This appliance must be earthed. Do not touch or tamper with this sealed unit or its components.

1. INTRODUCTION

- 1.1 Please carefully read information given in the booklet to help you again maximum control from your appliance with minimum trouble and cost.
- 1.1.1 Your Ravenheat Condensing Low Nox Combination Boiler has been designed to supply your Central Heating and Domestic Hot Water directly from one unit. When Central Heating is operating, the circulation will be interrupted when Domestic Hot Water is being drawn off.

This will normally not affect the level of Heating. **PLEASE NOTE**

Due to the high efficiency and resulting low flue gas exhaust temperature a white plume of condensation vapour (cool steam) will be emitted from the flue outlet terminal, this is quite normal. It will be particularly evident during periods of low outdoor temparatureor when the boiler is working at its optimum performance (Plume Management kit is available on request)

1.2 CLEARANCES AROUND THE BOILER Above 125 mm (5 inches)

Below 150 mm (6 inches) Front 450 mm (18 inches) Sides 5 mm (0.2 inches) 25mm (1inch) in front when installed in a cupboard

1.2.1 Minimum clearences are required for safety and maintenance. Do NOT obstruct any purpose made ventilation opening if boiler has been fitted in a compartment. Never hang clothes,ect, over the appliance

1.3 USER CONTROLS (Fig.1)

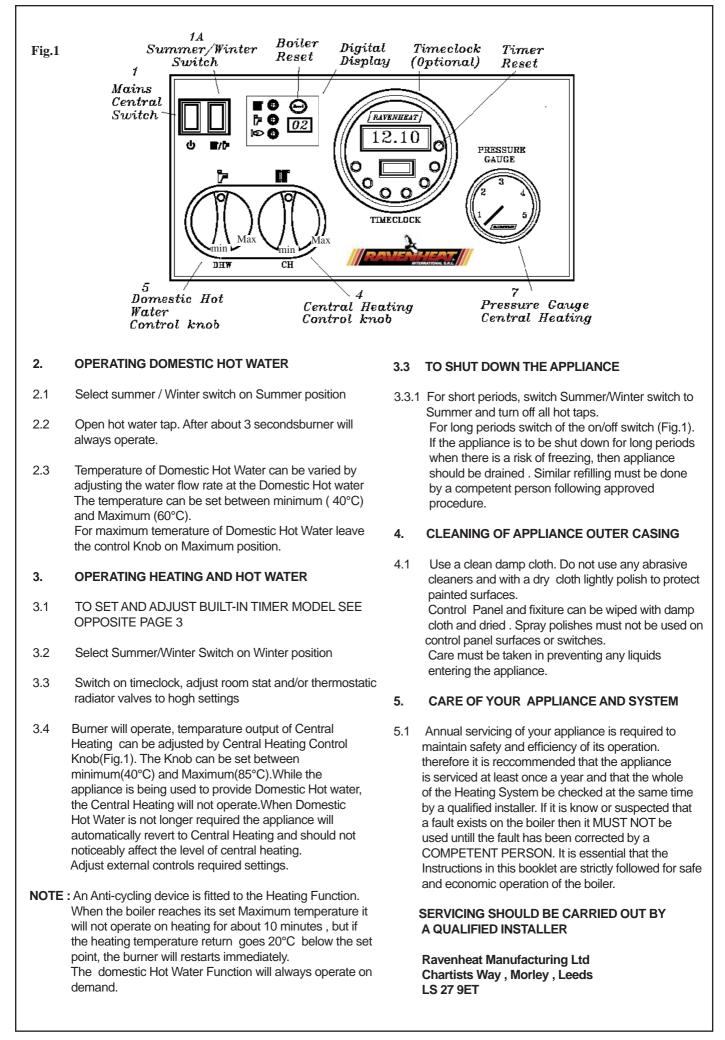
1.3.1 This appliance is designed to operate with the minimum of attention by the User. All the controls are to be found on the control pannel.

1.4 OPERATING SAFETY CHECKS TO PROTECT YOUR APPLIANCE

- 1.4.1 Before lighting the Appliance check Central Heating system pressure (Fig.1 item 7) is not less than 1 bar. If it is below this do not light but consult your installer about refilling your system as you may have a leak in the system.
- 1.4.2 In the event of malfunction of the appliance will be indicate by the relevant error code (Table1) on Digital Display of the control panel (Fig.50). These can be Reset by press a RESET button . If lockout code persist leave the appliance shut down and consult your installer/service engineer immediately.

Table 1

- 01: Lock out from the Flame Control Unit
- 02: Flue System obstruction
- 04: Overheat Lockout
- 06: Open or short circuit on Sanitary probe
- 12: Open or short circuit on Heating probe
- 14: Flame simulation on Flame Control Unit
- **17: Fault on Fan Control**
- 28: Water Flow Switch Fault or low pressure in the heating system





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