



**CONDENSING PRIMARY INNOVATION SUPER HIGH EFFICIENCY AUTOMATIC  
MODULATING BOILER FOR CENTRAL HEATING AND DOMESTIC HOT WATER**

# USER'S GUIDE

## CSI PRIMARY AAA

**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 Boiler has been designed to supply your Central Heating requirements.

### 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 temperature or when the boiler is working at its optimum performance.

## 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 clearances 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 that the Central Heating system is charged with water within the system.  
If it is a pressurised system, check that the bar gauge is not below 1.

1.4.2 A RED warning light on the control panel warns of a flame failure of the burner. This can be reset pressing on/ off switc.

1.4.3 A RED warning intermittance light on the control panel warns of a high temperature lockout on the overheat thermostat. This could occur due to air or poor circulation in the boiler.  
This can be reset manually by pressing on/ off switch. If lockout should persist leave the appliance shut down and consult your installer/ service engineer immediatly.

1.4.4. The CSI Primary condensing boiler is fitted with a condensate outlet which must be connected by the installer to a suitable discharge point as specified in the installation manual. On no account should this discharge pipe be blocked or modified.

## **2 OPERATING DOMESTIC HOT WATER**

- 2.1 Temperature of domestic hot water can be varied by adjusting the water. Thermostat will control maximum temperature leaving the appliance. The knob can be set between minimum and maximum approximately 40° to 85°. For min./ max temperature of domestic hot water it may be necessary to set external thermostat.

## **3 OPERATING HEATING AND HOT WATER**

- 3.1 Push on/ off switch in on position.
- 3.3 Switch on timeclock, adjust room stat and/or thermostatic radiator valves to high settings in case they are connected.
- 3.3 Burner will operate, temperature output of Central Heating can be adjusted by Central Heating Control Knob. The Knob can be set between minimum (40°C) and Maximum (85°C).  
Adjust external controls required settings.
- The optimum thermostat setting (condensing mode) is when the thermostat are set between 60/65°. The optimum thermostat setting for condensing heating mode is marked by a line on the thermostat heating panel. However, consideration will need to be given to temperatures of heat required for radiators to give adequate, comfortable room temperatures.
- The overrun thermostat will keep the pump running when the boiler shuts down, so long as the temperature within the boiler is above a predetermined level.

## **3.4 TO SHUT DOWN THE APPLIANCE**

- 3.4.1 For long periods, switch on/off switch to off. For long periods switch of the on/off switch. If the appliance is to be shut down for long periods when there is a risk of freezing, then appliance should be drained . Similar refilling must be done by a competent person following approved procedure.

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## **4 CLEANING OF APPLIANCE OUTER CASING**

- 4.1 Use a clean damp cloth. Do not use any abrasive cleaners and with a dry cloth lightly polish to protect painted surfaces. Control Panel and fixture can be wiped with damp cloth and dried . Spray polishes must not be used on control panel surfaces or switches. Care must be taken in preventing any liquids entering the appliance.

## **5 CARE OF YOUR APPLIANCE AND SYSTEM**

- 5.1 Annual servicing of your appliance is required to maintain safety and efficiency of its operation. Therefore it is recommended that the appliance is serviced at least once a year and that the whole of the Heating System be checked at the same time by a qualified installer. If it is known or suspected that a fault exists on the boiler then it **MUST NOT** be used until the fault has been corrected by a **COMPETENT PERSON**. It is essential that the Instructions in this booklet are strictly followed for safe and economic operation of the boiler.

**SERVICING SHOULD BE CARRIED OUT BY A QUALIFIED INSTALLER.**

**Ravenheat Manufacturing Ltd  
Chartists Way , Morley , Leeds  
LS 27 9ET.**

# PANEL INSTRUMENT

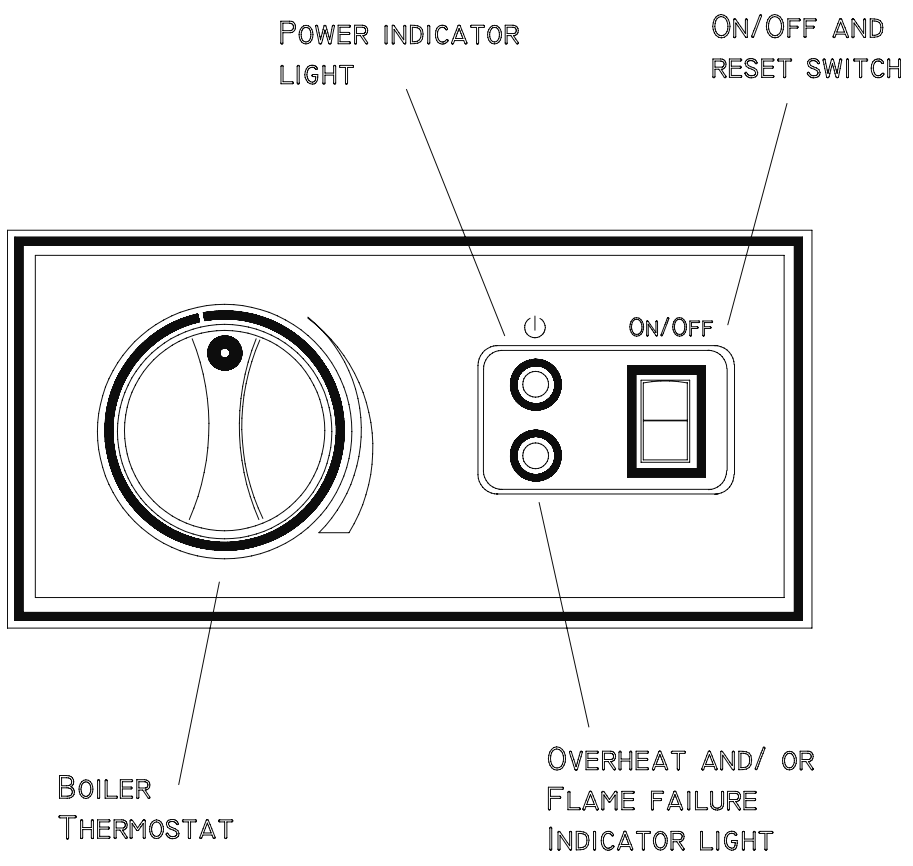


Fig. 1



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