

British Gas

330+

High Efficiency Condensing Boiler

Instructions for Use

To be left with the user



British Gas Service Tel: 0845 9500400

www.house.co.uk

WARNING

GAS LEAK OR FAULT

Turn off the gas emergency control valve immediately. Eliminate all sources of ignition, i.e. smoking, blowlamps, hot air guns etc. Do not operate electrical lights or switches either on or off. Open all doors and windows, ventilate the area.

SHEET METAL PARTS

This boiler contains metal parts (components) and care should be taken when handling and cleaning, with particular regard to edges.

SEALED COMPONENTS

Under no circumstances must the User interfere with or adjust sealed parts.



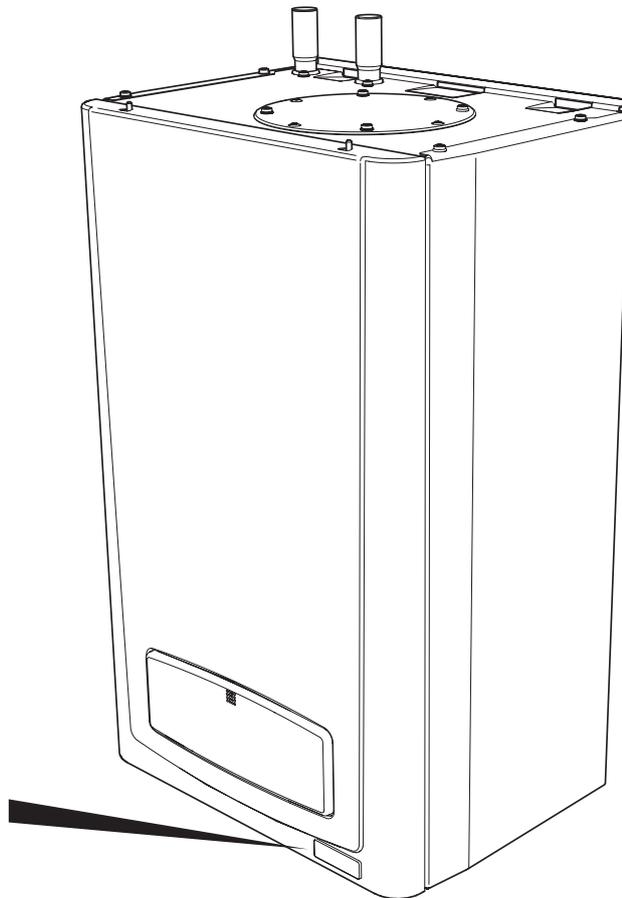
British Gas Service Tel: 0845 9500400



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330+

G.C. No. 41-019-11



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These instructions are an integral part of the boiler and must, to comply with the current issue of the Gas Safety (Installation and Use) Regulations, be left with the user.

Please read these instructions and follow them carefully for the safe and economical use of your boiler.

Important Information

Gas Safety (Installation and Use) Regulations

In your own interests and that of safety, it is the Law that ALL gas appliances have been installed by a **competent person** in accordance with the current issue of the regulations.

Gas Category

This boiler is for use only on G20 natural gas.

Electrical Connection

The boiler **MUST** be earthed.

The boiler **MUST** be connected to a permanent 230V ac, 50Hz supply, fused at 3A.

Connection of the whole electrical system of the boiler, including any heating controls, to the electrical supply must be through one common isolator.

The colours of three core flexible cable are, blue - neutral, brown - live, green and yellow - earth.

Testing and Certification

This boiler is certificated to the current issue of EN 483 for performance and safety.

It is important that no alteration is made to the boiler unless approved, in writing, by British Gas.

Any alteration not approved by British Gas, could invalidate the certification, boiler warranty and may also infringe the current issue of the statutory requirements.

CE Mark

This boiler meets the requirements of Statutory Instrument, No. 3083 of the Boiler (Efficiency) Regulations, and therefore is deemed to meet the requirements of Directive 92/42/EEC on the efficiency requirements for new hot water boilers fired with liquid or gaseous fuels.

Type test for purposes of Regulation 5 certified by: Notified body 0087.

Product/production certified by: Notified body 0086.

The CE mark on this appliance shows compliance with:

1. Directive 90/396/EEC on the approximation of the laws of the Member States relating to appliances burning gaseous fuels.
2. Directive 73/23/EEC on the harmonisation of the Laws of the Member States relating to electrical equipment designed for use within certain voltage limits.
3. Directive 89/336/EEC on the approximation of the Laws of the Member States relating to electromagnetic compatibility.

Boiler Design

Description

The boiler is designed to provide central heating from a fully pumped open vented or sealed water system with an indirect cylinder. Once the controls are set the boiler operates automatically.

Plumbing from flue terminal

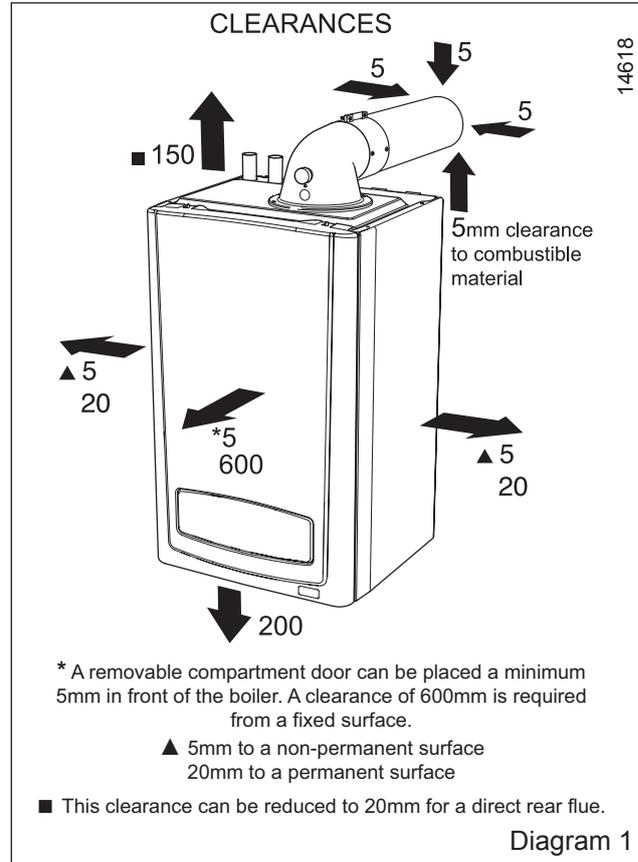
Like all condensing boilers it will produce a plume of condensation from the flue terminal in cool weather. This is due to the high efficiency and hence low flue gas temperature of the boiler. It is normal and not a fault indication.

Compartment or Cupboard Installations

Ventilation is not required for compartment or cupboard installations. Do not use the compartment or cupboard for storage.

Electrical Supply Failure

The boiler will not work without an electrical supply and normal operation of the boiler should resume when the electrical supply is restored. If the boiler does not resume normal operation, check the external controls, it may be necessary to "reset" the boiler, refer to the following section, "Boiler Safety Devices".



Boiler Safety Devices

Overheat Reset

The boiler software is designed to recognise the potential for an overheat lockout and will shutdown before this happens. To restart the boiler, press the reset button, see diagram 2.

If the boiler fails to resume normal operation and all external controls are calling for heat, then call your Installation/Service company or British Gas Service.

Frost Protection

With the gas and electric supplies ON and irrespective of any room thermostat setting, the integral frost protection device will operate the pump when the temperature of the boiler water falls below 8°C.

A timer is used so that the temperature can be checked periodically. After 10 minutes the pump will be stopped if the temperature is higher than 10°C or has already reached 35°C.

The burner will only activate if the boiler temperature does not reach 10°C after 30 minutes or at any time if the temperature drops to 5°C.

The burner will switch off when the temperature reaches 35°C.

NOTE: Any other exposed areas of the system should be protected by a separate frost thermostat.

Condensate Drain Blockage

As a safety feature the boiler will stop working if the condensate drain becomes blocked. During freezing conditions this may be due to the forming of ice in the condensate drain external to the house. Release an ice blockage by the use of warm cloths on the pipe. The boiler should then restart. Contact your Installation/Service company or British Gas Service if the fault persists.

Servicing, Maintenance and Spare Parts

General Note

Servicing/maintenance should be carried out by a **competent person** in accordance with the rules in force in the countries of destination.

If this boiler is installed in a rented property in the UK there is a duty of care imposed on the owner of the property by the current issue of the Gas Safety (Installation and Use) Regulations, Section 35.

Servicing

To ensure the continued efficient and safe operation of the boiler it is recommended that it is checked and serviced at regular intervals. The frequency of servicing will depend upon the site conditions and usage, but in general, once a year should be enough.

To obtain service, please call your installer or British Gas Service using the telephone number on the inside front cover of this booklet.

Cleaning

The boiler casing can be cleaned using a mild liquid detergent with a damp cloth, then a dry cloth to polish. Do not use any form of abrasive or solvent cleaner as you may damage the paintwork.

Frost Protection

If the mains electricity and gas services are to be turned off for any long periods during severe weather, it is recommended that the whole system, including the boiler, should be drained to avoid the risk of freezing.

Spare Parts

REMEMBER, When replacing a part on this boiler, 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 British Gas.

If replacement parts are required contact British Gas using the telephone number on the inside front cover of this booklet.

Please quote the name of the boiler, this information will be on the name badge on the front case.

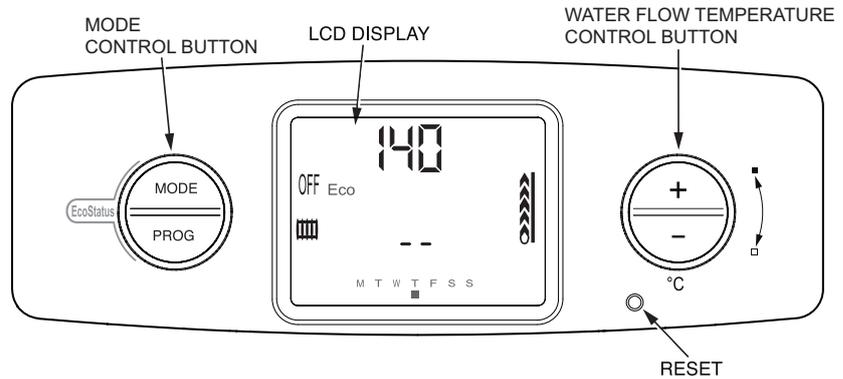
If in doubt seek advice from the local gas company or British Gas using the telephone number on the inside front cover of this booklet.

Lighting the Boiler - User Control Panel

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General Description

The User Control Panel consists of two toggle buttons, a reset button and display, which will indicate, with symbols, the status of the boiler, refer to diagram 2.

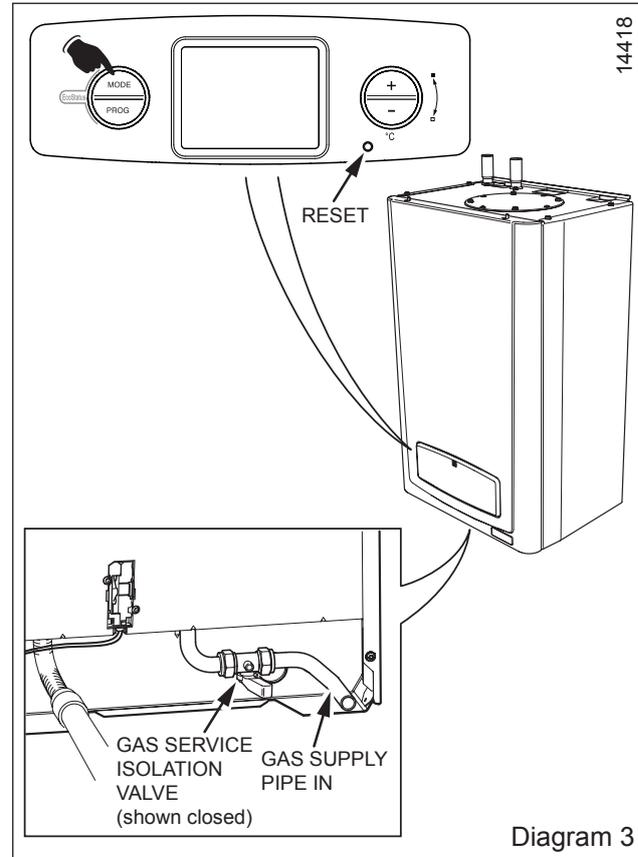


SYMBOLS DISPLAYED ON THE LCD AND DESCRIPTIONS			
	Central Heating Function		Min burner display
OFF	Appliance OFF		Max burner display
°C	Temperature		
Ext	Glow-worm control (Optional)		

Diagram 2

Lighting the Boiler

1. Check that the gas service isolation valve is open, see diagram 3.
2. If you are in any doubt about the boiler being filled with water contact your installer or British Gas Service using the telephone number on the front cover of this booklet. **Do not operate the boiler without water.**
3. Check that the electrical supply to the boiler is "ON" and there is no demand from any external controls.
4. Press "MODE" repeatedly to scroll to the Central Heating function, refer to diagram 3:-
 - Central Heating If internal programmer activated
 - Timed Domestic Hot Water  Central Heating 
5. Turn ON your external controls and select the room temperature you require.
The boiler will operate automatically.
NOTE: The display will indicate the heating system water temperature or a fault code (see section Fault Finding).



Switching "OFF" the Boiler

Press "MODE" repeatedly to scroll to the "OFF" function, refer to diagram 3:-

Boiler functions all switched off, "OFF" will be displayed.

IMPORTANT: If the mains electricity and gas services are to be turned off for any long periods during severe weather, it is recommended that the whole system, including the boiler, should be drained to avoid the risk of freezing.

Boiler Operation - User Controls

Central Heating

The temperature is factory set to the minimum 38°C, but can be adjusted to a maximum of 82°C as required, refer to diagram 4.

Use '+' and '-' buttons to adjust.

EcoStatus (if activated)

The EcoStatus function will provide you with energy consumption information on the display, see diagram 5. This will clearly show how your heating requirements affect your energy consumption and therefore where savings could be made. The display shows daily consumption in kWh units and also a daily high or low trend indication based on the previous weeks consumption.

Should you require this function, please ask your installer to activate.

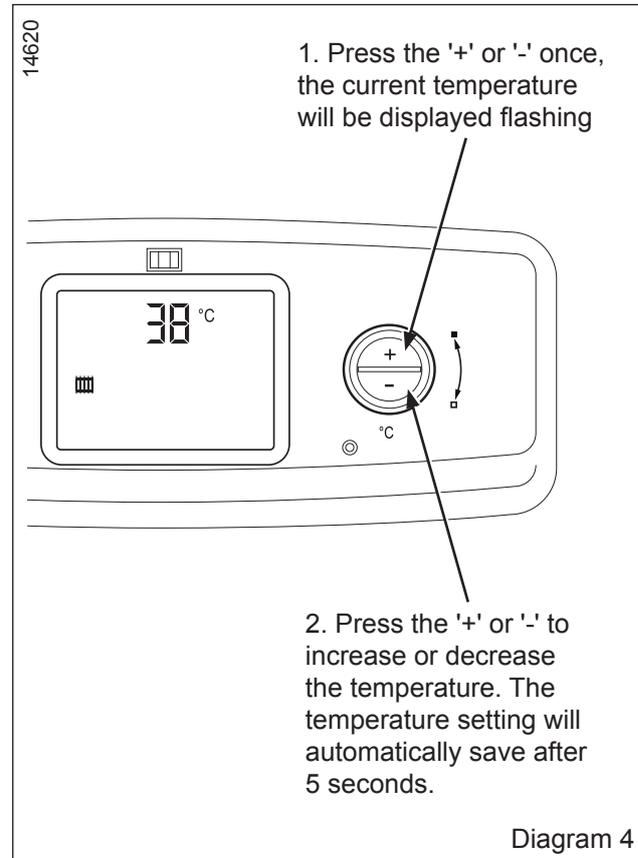
NOTE: The clock will need to be set as described on page 14.

Fault Finding

The LCD will display a flashing 'F' and code number, press the reset button on the control panel.

If a fault persists, indicated by a flashing 'F' and code number, contact your installer/service provider or British Gas Service, using the telephone number on the inside front cover of this booklet.

The boiler will not work without an electrical supply and normal operation of the boiler should resume when the electrical supply is restored.



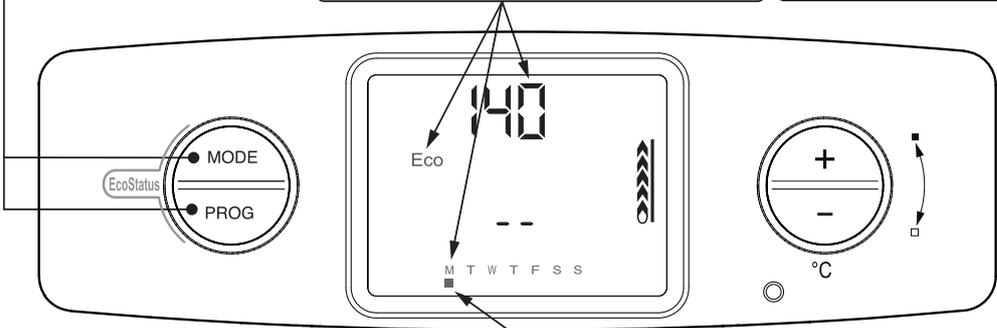
EcoStatus (if activated)

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1. Press "MODE" and "PROG" buttons simultaneously.

2. The display will then show the EcoStatus screen for Monday. This is confirmed by the "Eco" symbol being displayed and the day indicator ■. The energy consumed for that day is displayed in kW/hrs (this is for indication only).

3. Press "PROG" to scroll to the current day and observe your "Trend". The days following will indicate the previous weeks "Trend". Scroll through to Sunday, then press "PROG" to exit, the operation screen will be displayed.



CONSUMPTION TREND

The screen will display a symbol which indicates the comparison of consumption with the day of the previous week.

— — **No change in trend**, the energy consumed on this day is close to being that consumed on the same day the week before.

H **High trend**, the energy consumed on this day is much higher than the same day the week before.

L **Low trend**, the energy consumed on this day is much lower than the same day the week before.

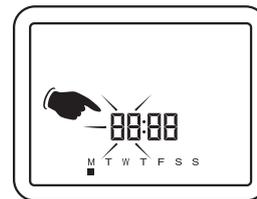
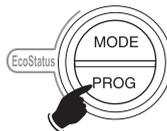
Indicates the day for which the energy consumption is being shown.

Diagram 5

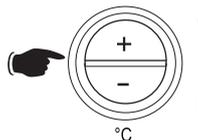
Setting the 24hr clock and calender

To set the 24hr clock follow steps 1 to 3.

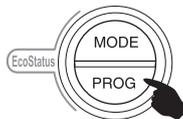
STEP 1 Press and hold “PROG” for 5 seconds, the hours symbol will flash.



STEP 2 Press the “+” or the “-” to set the hour.



STEP 3 Press “PROG” to confirm.
Repeat the process which will automatically move to minutes, days, year, month and date as shown on the following pages.

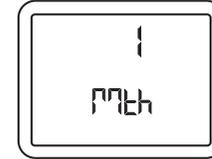


Once the setting is complete, the main screen is displayed with the correct day and time set. The clock will now also automatically adjust for daylight saving time.

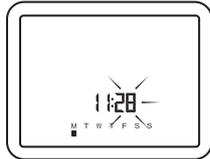
24hr clock and calender display symbols



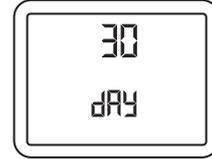
Hour indicator flashing, press "PROG" button



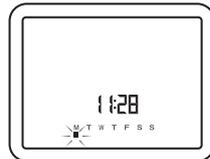
Month screen displayed, press "PROG" button



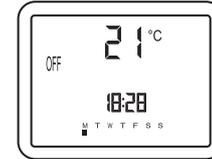
Minute indicator flashing, press "PROG" button



Date screen displayed, press "PROG" button.



Day indicator flashing, press "PROG" button



Settings are confirmed and running screen is displayed

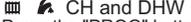


Year screen displayed, press "PROG" button

Setting the internal programmer (if activated)

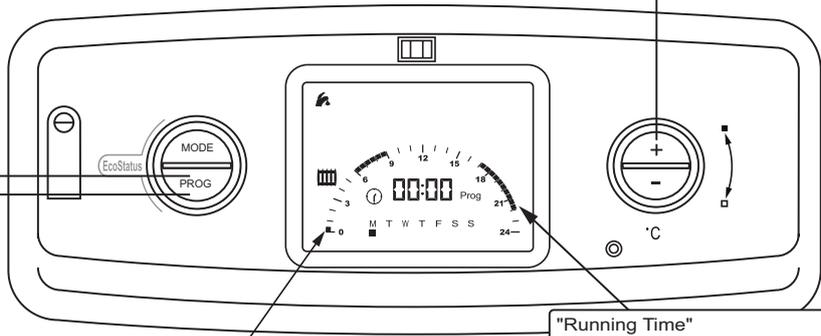
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STEP 1

 CH and DHW
Press the "PROG" button once to view Mondays factory default central heating running times.

STEP 2

 CH and DHW
Press "+" to add a time segment or "-" to remove a time segment and advance to next time segment.



Flashing cursor.

"Running Time"
Indicated by solid squares.
Square represents 30 minutes.

STEP 3

1  CENTRAL HEATING
Press "PROG" to validate the time intervals. The days will automatically change, repeat the process or refer to the "Copy Function". After the 7th day the "Domestic Hot Water" time intervals will be displayed, follow the same process steps 1 to 3.

2  DOMESTIC HOT WATER
Press "PROG" to validate the time intervals. The days will automatically change, repeat the process or refer to the "Copy Function". After the 7th day the process will exit to show the boiler status.

COPY FUNCTION
When validating the timed intervals you can hold the "PROG" button for 5 seconds and the times will be duplicated to the next day, hold the button continuously and the times will be copied to all days.

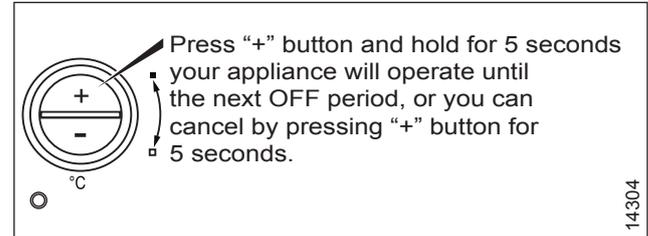
Advancing the Central Heating and Domestic Hot Water

(only available if internal programmer activated)

Advancing the timed central heating programmer ON /OFF times

This function will only work when the appliance is in timed operating mode, "Clock symbol".

The activated/deactivated segments will flash for 5 seconds.

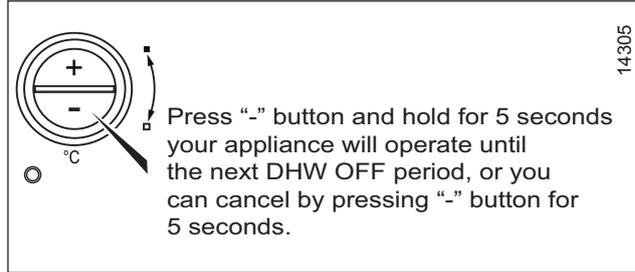


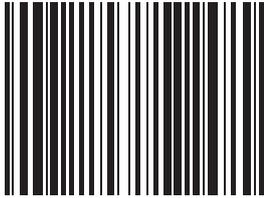
Advancing the Domestic Hot Water (only available if internal programmer activated)

Advancing the timed domestic hot water programmer ON /OFF times

The activated/deactivated segments will flash for 5 seconds. The main screen is then displayed again.

IMPORTANT: There is no visual indication this feature has been activated once the segments have stopped flashing.





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Because of our constant endeavour for improvement, details may vary slightly from those shown in these instructions.

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