

Heating and hot water for the professionals

User Instructions

THEMA C



THIS IS A CAT II2H3+ APPLIANCE

IN WARRANTY

TECHNICAL HELPLINE

01773 828400

HEATCALL

01773 828100



Sainier Duval

USER INSTRUCTIONS

THEMA C 23

Note!

The boiler serial number is marked on the label attached to the front of these instructions. Refer to the '**Introduction**' section for a description of the basic functions of the boiler.



Mandatory warning notice for CEE countries

WARNING, this appliance is designed, approved and inspected to meet the requirements of the English market. The identification plate located on the inside of the appliance **certifies the origin** where the product was manufactured and the **country** for which it is intended.

If you see any exception to this rule, please contact your nearest **Saunier Duval** dealer.

Thank you in advance for your assistance.

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INTRODUCTION

The **THEMA C 23** boiler is a wall mounted modulating combination boiler providing central heating and instantaneous hot water.

Both the central heating and domestic hot water temperature are user adjustable from the boiler control panel.

Domestic hot water demand always has priority over heating demand.

These instructions should be carefully followed for the safe and economical use of your boiler.

Gas safety (Installation and use) Regulations

In your interests and that of gas safety, it is the law that ALL gas appliances are installed and serviced by a competent person in accordance with the above regulations.

Bathroom fittings

Any ancillary equipment such as mixing valves, showers etc. must be designed to operate at mains water pressure. Contact your local Water Authority for advice.

Electrical supply

WARNING: This boiler must be earthed. The boiler must be connected to a 230V ~ 50Hz permanent supply.

To connect a plug:

The colours of three core flexible cable are:

Brown - Live

Blue - Neutral

Green/yellow - Earth

As the marking on your plug may not correspond with these colours, proceed as follows :

The cable coloured blue must be connected to the terminal marked "N" or black.

The cable coloured brown must be connected to the terminal marked "L" or red.

The cable coloured green/yellow must be connected to the terminal marked "E", green or the earth symbol .

Boiler location

The boiler should have the following minimum clearances for maintenance purposes:

5mm on each side of boiler

300mm above boiler

250mm below boiler

450mm in front of boiler

Mains failure

In the event of failure of the electrical supply, the boiler will not operate. When the supply is restored, the boiler will return to normal operation.

INTRODUCTION

Gas leak or fault

If a gas leak or fault exists or is suspected, turn off the gas supply. Do not touch any electrical switches. Do not smoke. Consult the local gas supply company or your Installer/Service Provider.

Air in the heating system

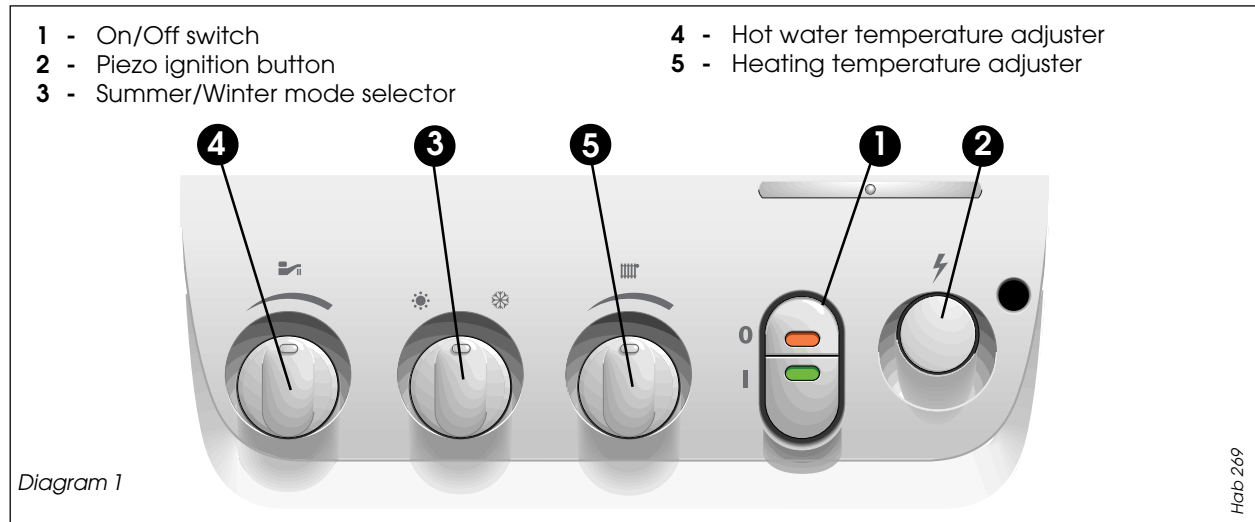
Persistent air in the heating system may indicate leaks in the system or corrosion taking place. Call your Installer/Service Provider.

Overheat safety

In the event of a problem, the overheat safety devices cause safety shutdown of the boiler. If this happens, call your Installer/Service Provider.

Boiler controls

The control panel, located behind the pull down door at the lower front of the boiler casing, **see diagram 1**, allows the boiler to be started, shut down, controlled and monitored during use.



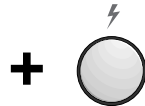
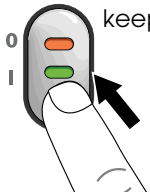
CONTROLS AND LIGHTING

To light the boiler

Before starting the boiler check that:

- The gas meter tap is open.
- The boiler gas service cock is open.
- The boiler is connected to the electrical supply and turned on.

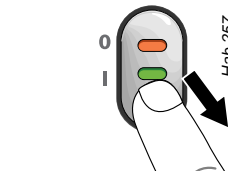
1 - Push in and keep depressed



2 - Push in several times until the pilot has lit



3 - Wait for 20 seconds after the pilot has lit



4 - Release button. The pilot should remain lit, if it doesn't, repeat operations 1 to 3

To stop the boiler → Push OFF switch (0)

Setting to summer/Winter mode



Summer

Domestic hot water only



Winter

Heating and hot water



Adjustment of domestic hot water temperature



Open a hot water tap. Turn the temperature adjuster until the desired hot water temperature is obtained. Hot water always has priority over central heating.

Adjustment of central heating temperature



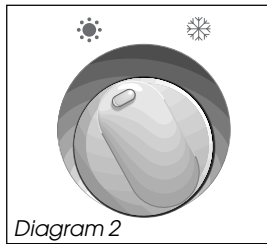
Turn the temperature adjuster until the desired central heating temperature is obtained.

Make sure that any external controls are calling for heat. The heating system will begin to heat up.

DRAINING

Protection against freezing

The boiler has a built in frost protection device that protects the boiler from freezing. If the boiler is to be left for a short period and there is a risk of frost, ensure that the gas and electrical



supplies are left connected and that the Summer/Winter switch is left in the ☀️ position, see **diag. 2**.

Note: This device works irrespective of any room thermostat setting and only protects the boiler. Always ensure that adequate frost protection is given to the entire system where necessary.

If the boiler is to be out of use for any long periods during severe weather conditions, it is recommended that the whole system, including the boiler, be drained to avoid the risk of freezing.

If in doubt, consult your Installer/Service Provider.

Draining and filling

Caution: The boiler is installed as part of a sealed system which must only be drained and filled by a competent person.

Note: If there is persistent loss of system pressure, indicated by the pressure gauge, you must consult your Installer/Service Provider.

Heating safety valve

CAUTION: A safety valve with a discharge pipe is fitted to this boiler.

The valve **MUST NOT BE TOUCHED** except by a competent person. If the valve discharges at any time, switch the boiler off and isolate it from the electrical supply. Contact your Installer/Service Provider.

SERVICING/MAINTENANCE

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 installation conditions and usage but, in general, once a year should be enough.

Cleaning

The boiler casing can be cleaned with a damp cloth followed by a dry cloth to polish.

Do not use abrasive or solvent cleaners.

Boiler casing

CAUTION. Do not remove or adjust the casing in any way, as incorrect fitting may result in faulty operation. If in doubt, contact your Installer/Service Provider.