Dimplex 18 OV
Dimplex 32 OV

Open Vented Condensing Boilers

User's Operating Instructions

These instructions should be left with the user

Read these instructions carefully before trying to operate the appliance.

GAS COUNCIL NUMBERS

Natural Gas

Dimplex 18 OV - Gas Council Appliance No: **41 149 04**

Dimplex 32 OV - Gas Council Appliance No: **41 149 03**

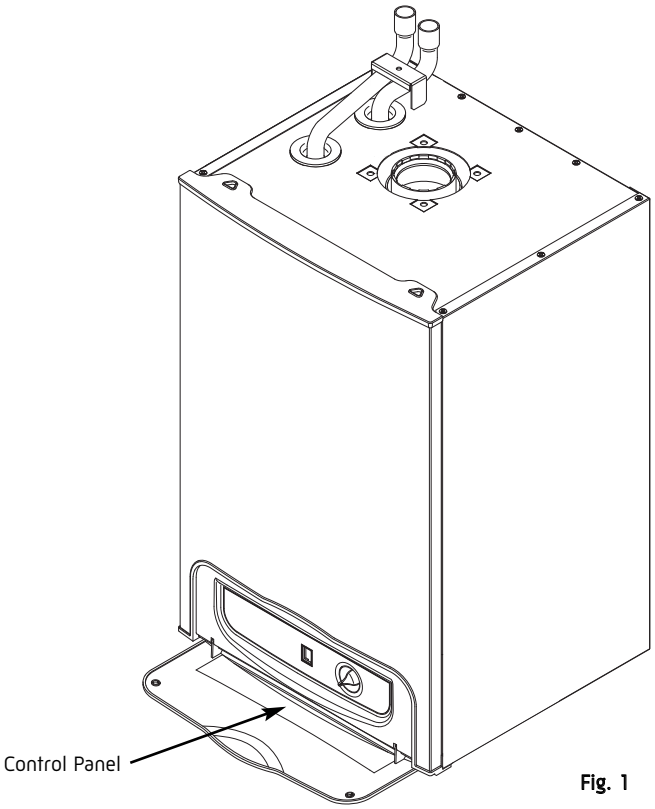


Fig. 1

1.1 CONTROL PANEL

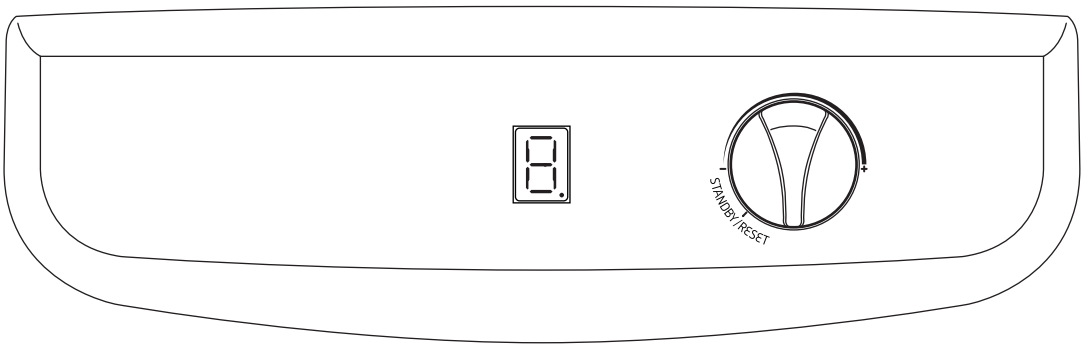


Fig. 2

7 segments LED display

Central Heating Temperature Control

1.2 CH - CENTRAL HEATING TEMPERATURE CONTROL

Control knob shown in the OFF position.

Turn the knob clockwise to increase the temperature of the central heating.

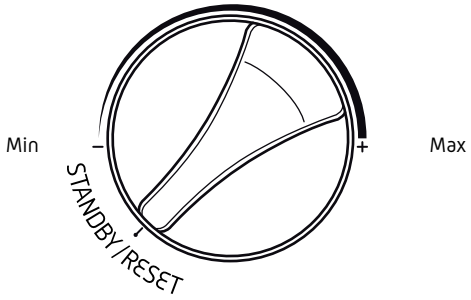


Fig. 3

1.3 TO LIGHT THE BOILER

1. Switch on the electrical supply.

2. Turn the CH temperature Control knob to the midpoint between the minimum and maximum setting. The display changes from 'O' to 'h'.

3. Ensure Programmer and room thermostat (if fitted) are calling for heat.

4. The display changes to 'H'. When the boiler has lit a small dot will also appear in the bottom right corner of the display.

5. If the burner fails to light the fan will stop. Initially this may be due to air in the gas supply. The boiler will automatically have five attempts at ignition.

6. After the five attempts it may be necessary to RESET the boiler by turning the control knob to the RESET/STANDBY position and back to 'ON' within TWO seconds (then repeat step 2).

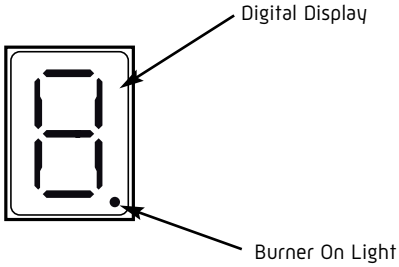


Fig. 4

1.4 CH - CENTRAL HEATING TEMPERATURE CONTROL

Adjustable via the CH temperature control knob to give radiator temperatures of between 30°C and 80°C.

During periods of no central heating requirement, the control should be set to the STANDBY position but the permanent live to the boiler should be left on.

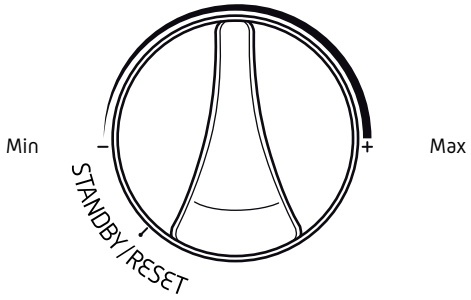
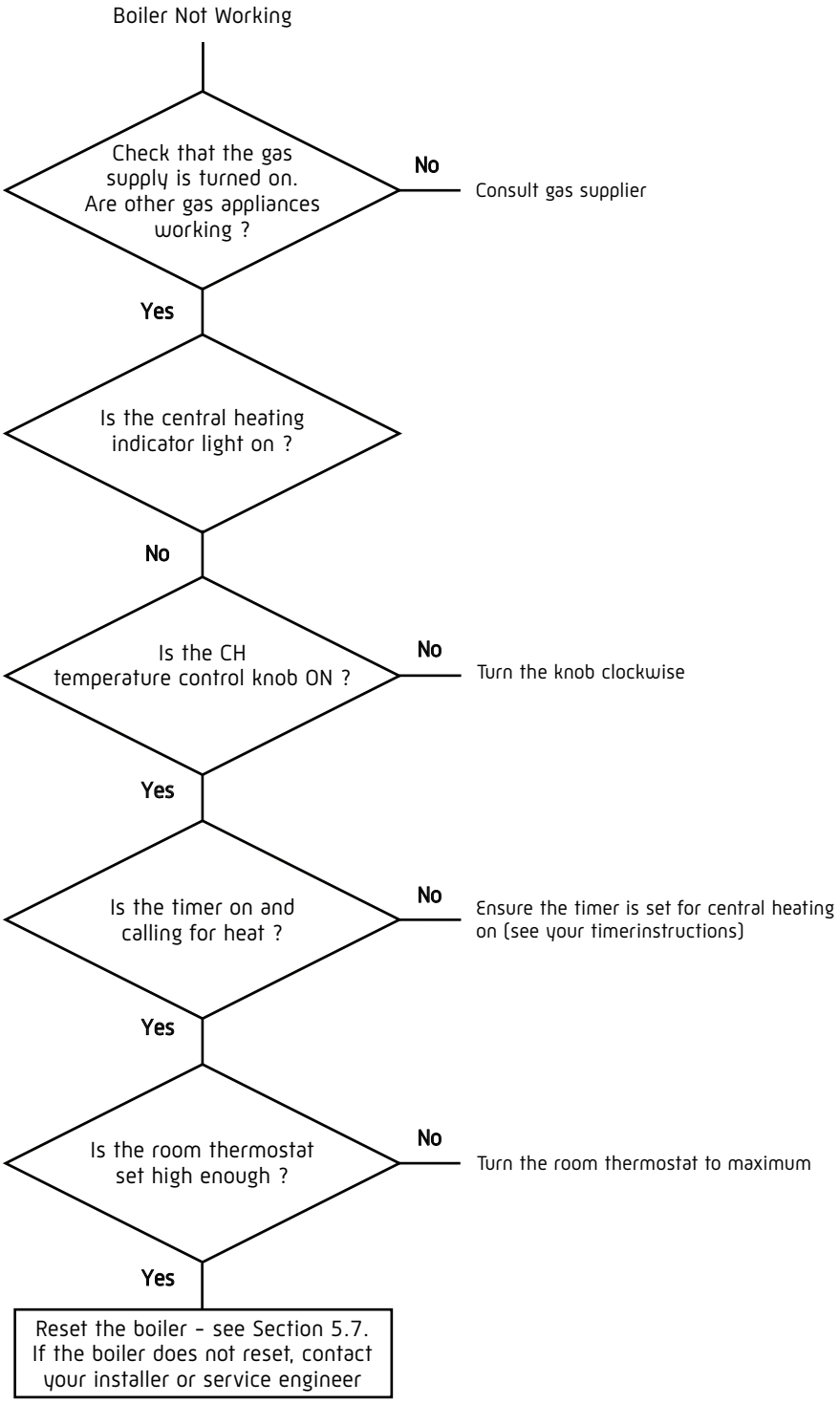


Fig. 5

2.1 STEP BY STEP GUIDE



3.1 GENERAL SAFETY

DO NOT interfere with any sealed components and use the appliance only in accordance with these instructions.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack experience and knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

3.2 CURRENT GAS SAFETY (INSTALLATION & USE) REGULATIONS

It is the law that all gas appliances are installed by a competant person in accordance with the above regulations. Failure to install appliances correctly could lead to prosecution. It is in your own interest, and that of safety, to ensure that the law is complied with. If the appliance is damaged, turn off the appliance and consult a CORGI registered installer. If it is known or suspected that a fault exists on the appliance it **MUST NOT** be used until the fault has been rectified by a competant person.

3.3 ELECTRICAL SUPPLY

This appliance must be earthed.
Supply: 230V - 50Hz fused at 3A.
The method of connection to the mains supply must facilitate complete isolation of the appliance. Either a 3A fused three pin plug and unswitched shuttered socket outlet, or a 3A fused double pole switch having a 3mm contact separation in both poles, serving only the boiler (and its external controls), may be used.

3.4 CLEARANCES AND VENTILATION

1. A flat vertical area is required for the installation of the boiler.

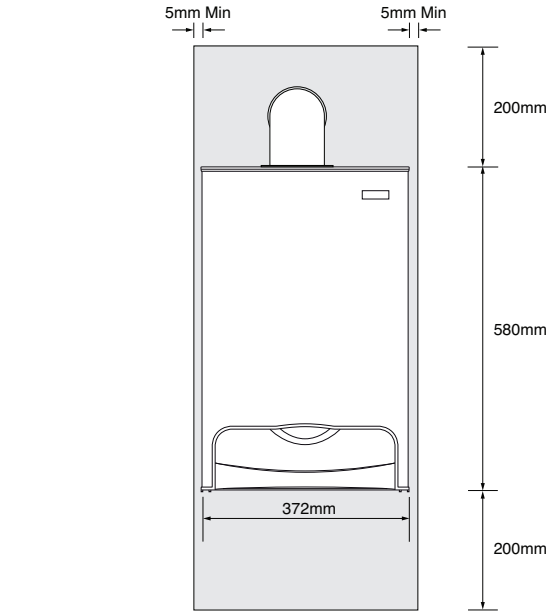
2. Where an open flued (B23) system is used then an air vent must be provided in the same room or internal space of the flue duct air inlet, with a minimum free area of:

Dimplex 18 = 60cm^2
Dimplex 32 = 125cm^2

3. These dimensions include the necessary clearance around the boiler for case removal, spanner access and air movement. Additional clearances may be required for the passage of pipes around local obstructions such as joists running parallel to the front face of the boiler.

4. When installed in a cupboard or compartment it is not permissible to store other objects in the cupboard. Additionally no flammable objects/items must be allowed to come into contact with the boiler.

5. The boiler does not require additional ventilation when it is installed in a cupboard or compartment. The exception to this is where an open flue system has been installed - See note 2.



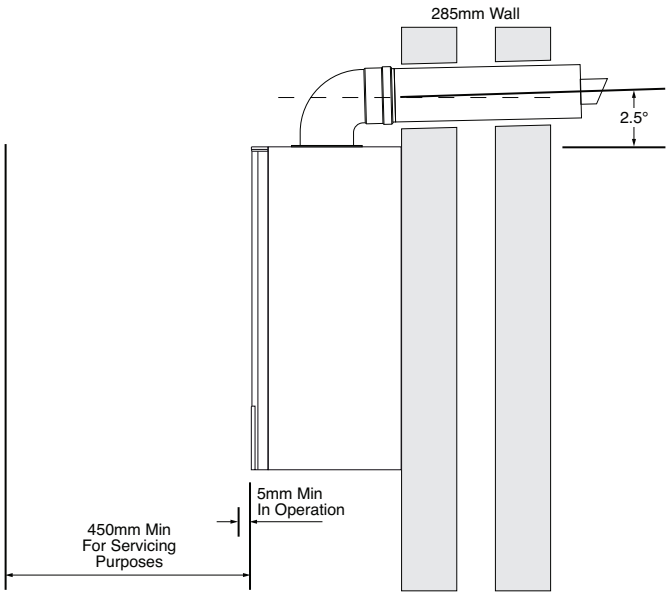


Fig. 11

AFTER ENSURING THAT ALL ACTIONS HAVE BEEN CARRIED OUT RESET THE BOILER (REFER TO SECTION 5.4) IF ANY OF THE BELOW FAULTS OCCUR DURING INSTALLATION PLEASE REFER TO THE ACTIONS, HOWEVER IF ANY OTHER ERROR CODE IS SHOWING PLEASE CONTACT THE INSTALLER OR TECHNICAL HELP LINE: 01926 834834

RESET LOCK-OUT CODES

ERROR CODE	DESCRIPTION	REASON	ACTION	RESET POSSIBLE
1	Overheated appliance	CH Water temperature greater than 105°C	•Check no air is in heat exchanger / CH system •Check external pump operation •Check PCB / X1C connector •Check flow thermistor •Check wires to sensors not crossed	Yes
2	Different check faulty / Flame for 15 seconds	Sensor temperature differential incorrect	• Check water pressure • Check external pump / CH system blockage • Check no air is in heat exchanger / CH system • Check flow, and return sensors	Auto Restart When Fixed
3	No gas or Lockout flame signal / No flame, Lockout after 5 ignition attempts	Low gas pressure. Loss of flame signal during operation	• Check gas supply • Check gas service cock • Check gas valve and lead • Check detection electrode / lead • Check PCB / X2A & X2B connectors • Check spark generator /spark electrode • Check mains earth lead continuity	Yes
4	Flue gas sensor / No flame	Flue gas temperature greater than 95°C	• Check flue sensor • Check flue system • Check no air is in heat exchanger / CH system • Check external pump • Check PCB / PCB connectors	Yes

BLOCKING CODES

ERROR CODE	DESCRIPTION	REASON	ACTION	RESET POSSIBLE
5	Defective sensor or thermal fuse blown	Defective flow, return or flue sensor or heat exchanger reached maximum safe working temperature	• Check wiring to sensors • Check PCB / X6 & X8 connectors • Check flow, return and flue sensors • CHECK THERMAL FUSE IS OPEN CIRCUIT. IF SO REPLACE HEAT EXCHANGER (SEE 10.8)	Auto Restart When Fixed
6	Defective gas valve / Flame continues after demand ends	5 sec flame signal after burner is switched off	• Check gas valve and lead • Check PCB	
7	Defective fan / No flame	Missing or Erroneous RPM signal	• Check fan • Check mains fan lead & connector • Check low voltage fan lead & connector • Check PCB / X3 connector	
A	PCB error / No flame	Internal error	• Check PCB	
b	Activate BCC / No flame	New BCC	• Turn CH control knob to reset twice to activate	
C	Safety system failure / No flame	Failure of internal self checking system	• Check PCB • Check BCC is initialised	
E	BCC error / No flame	Incorrect / missing BCC	• Reset or replace BCC	
h	No flame	Faulty connector	• Check PCB / X1A connector	
0	Different check faulty / Flame for 15 seconds	Water flow rate too low	• Check water pressure • Check external pump / CH system blockage • Check no air is in heat exchanger / CH system • Check wires to sensors not crossed • Check flow, and return sensors	
P	Error in power supply / No flame	Low mains voltage	• Check mains voltage • Check PCB connectors	
	No light indication	Defective power supply	• Check power supply • Check PCB / X1B connector • Check PCB fuse	

5.1 BOILER LOGBOOK

The logbook is included inside the Installation instructions. This logbook should be completed by your installer to verify that the correct installation and commissioning procedure was followed.
Failure to complete the logbook may result in difficulties should a problem arise with your appliance during the guarantee period.
This logbook forms part of the industry's Benchmark code of practice for the installation, commissioning and servicing of central heating systems.
All CORGI registered installers carry a CORGI identification card and have a registration number. You can check your installer is registered by telephoning 0870 4012300 or writing to:-

1 Elmwood
Chineham Business Park
Crockford Lane
Basingstoke
RG24 8WG

or check online at www.corgi-gas-safety.com

These appliances meet the requirements of;

Gas Appliance Directive	90/396/EEC
Efficiency of Hot Water Boilers Directive	92/42/EEC
Low Voltage Directive	92/42/EEC
Electromagnetic Compatibility Directive	92/31/EEC

Type test certified by:- Notified Body 0087 (Pin 87BT49).

Product/Production certified by:
Notified Body 0086.

For GB/IE only.

5.2 GENERAL CARE

The front panel should be cleaned with a damp cloth and mild detergent. Do not use abrasive cleaners.

5.3 ROUTINE SERVICING

To ensure continued efficient operation of the appliance, it is recommended that it is checked and serviced as necessary at regular intervals. The frequency of servicing will depend upon the particular installation conditions and usage but in general once a year should be adequate. It is law that any service work must be carried out by a competent person such as British Gas or other CORGI Registered personnel.

5.4 EMERGENCY

WARNING - If a gas leak is suspected or exists, turn the gas OFF at the incoming mains (adjacent to the meter), Do not operate any electrical switches. Do not operate any electrical appliances. Open all windows and doors. Do not smoke. Extinguish all naked lights. Phone the Transco 24 hour emergency number immediately on 0800 111 999 (Do not call from a mobile phone).

5.5 PLUMING FROM TERMINAL

Like all condensing boilers this appliance will produce a plume of condensation from the flue terminal. This is due to the high efficiency and hence low flue gas temperature of the boiler. It is normal and not a fault indication.
The boiler is fitted with a condensate trap.
The condensate drain point must not be modified or blocked (see section 7.6 of the installation manual).

5.6 TO TURN THE BOILER OFF

For short or long periods
Switch the programmer and/or room thermostat switch to the **OFF** position.
NOTE: The appliance is fitted with a frost protection device In the event of very cold conditions. Providing there is mains power supply to the appliance, the frost protection mode is integral. If the system temperature falls below 5°C then the boiler will fire on its minimum setting until a flow temperature of 30°C is reached. Further protection can be incorporated by using a system frost thermostat.
The pump will automatically operate for 1 minute in every 24 hours to prevent sticking.

5.7 BOILER OVERHEAT PROTECTION

In the event of overheating, the boiler will shut down and the digital display will show '1'. Allow the boiler to cool, then briefly turn the CH control knob fully anti-clockwise to the RESET/STANDBY position and then back to 'ON' within two seconds.
If the fault persists, consult a CORGI Registered installer.

Dimplex Boilers
20/22 First Avenue
Bluebridge Industrial Estate
Halstead
Essex CO9 2EX

Telephone Sales and Service: **0844 371 1121**

Fax: **01787 474588**

e-mail:

sales@dimplexboilers.co.uk

enquiries@dimplexboilers.co.uk

training@dimplexboilers.co.uk

website:

www.dimplexboilers.co.uk

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