



# USER GUIDE

## **LOGIC+ COMBI C24 C30 C35**

When replacing any part on this appliance, 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 Ideal Boilers.**

**For the very latest copy of literature for specification and maintenance practices visit our website [www.idealboilers.com](http://www.idealboilers.com) where you can download the relevant information in PDF format.**

For alternative languages in our User Guides please visit our website [www.idealboilers.com](http://www.idealboilers.com)

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All Gas Safe Register installers carry a Gas Safe Register ID card, and have a registration number. Both should be recorded in the Benchmark Commissioning Checklist. You can check your installer by calling Gas Safe Register direct on 0800 4085500.

**Ideal Boilers** is a member of the Benchmark scheme and fully supports the aims of the programme. Benchmark has been introduced to improve the standards of installation and commissioning of central heating systems in the UK and to encourage the regular servicing of all central heating systems to ensure safety and efficiency.



**THE BENCHMARK SERVICE INTERVAL RECORD MUST BE COMPLETED AFTER EACH SERVICE**

## 1. INTRODUCTION

The **Logic + Combi C** is a combination boiler providing both central heating and instantaneous domestic hot water. Featuring full sequence automatic ignition and fan assisted combustion.

Due to the high efficiency of the boiler, condensate is produced from the flue gases and this is drained to a suitable disposal point through a plastic waste pipe at the base of the boiler. A condensate 'plume' will also be visible at the flue terminal.

### Safety

#### **CURRENT GAS SAFETY (INSTALLATION & USE) REGULATIONS OR RULES IN FORCE.**

In your own interest, and that of safety, it is the law that this boiler must be installed by a Gas Safe Registered Engineer, in accordance with the above regulations.

In IE, the installation must be carried out by a Registered Gas Installer (RGII) and installed in accordance with the current edition of I.S. 813 "Domestic Gas Installations", the current Building Regulations and reference should be made to the current ETCI rules for electrical installation.

*It is essential that the instructions in this booklet are strictly followed, for safe and economical operation of the boiler.*

#### **ELECTRICITY SUPPLY**

**This appliance must be earthed.**

**Supply: 230 V ~ 50 Hz. The fusing should be 3A.**

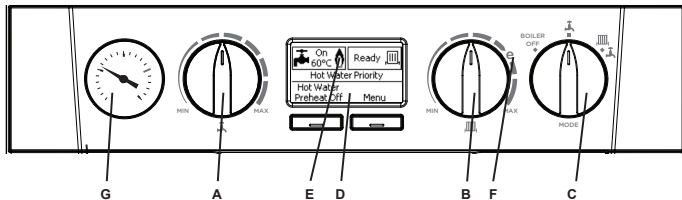
## IMPORTANT NOTES

- This appliance must not be operated without the casing correctly fitted and forming an adequate seal.
- If the boiler is installed in a compartment then the compartment **MUST NOT** be used for storage purposes.
- 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 Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII).
- Under **NO** circumstances should any of the sealed components on this appliance be used incorrectly or tampered with.
- **This appliance can be used by children 8 years and above. Also persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.**

## 2. BOILER OPERATION

### Legend

- A. Domestic Hot Water Temperature Knob
- B. Central Heating Temperature Knob
- C. Mode Knob
- D. Boiler Status Display
- E. Burner 'on' Indicator
- F. Central Heating Economy Setting
- G. Pressure Gauge



### TO START THE BOILER

If a programmer is fitted refer to separate instructions for the programmer before continuing.

Start the boiler as follows:

1. Set the mode knob (C) to 'BOILER OFF'.
2. Set the Domestic Hot Water temperature knob (A) and Central Heating temperature knob (B) to 'MAX'.
3. Ensure that all hot water taps are turned off.
4. Switch on electricity to the boiler and check that all external controls, e.g. programmer and room thermostat, are on.
5. Set the mode knob (C) to '❄️' (winter).

The boiler will commence ignition sequence, supplying heat to the central heating, if required.

**Note.** In normal operation the boiler status display (D) will display messages (see section 7).

**Note.** Boiler frost protection - boiler will fire if temperature is below 5°C.

During normal operation the burner on symbol 🔥 (E) will remain illuminated when the burner is lit.


**Note.** If the boiler fails to light after five attempts the following fault messages will be displayed:

Ignition Lockout 1/2 Check Other Gas Appliances Work Restart Boiler	➔	Ignition Lockout 2/2 If Fault Persists Contact Installer
Restart      Menu		Restart      Menu

To restart the boiler, press restart. The boiler will repeat the ignition sequence. If the boiler still fails to light consult a Registered Gas Installer, or in IE a Registered Gas Installer (RGI).

## OPERATION MODES


**Winter Conditions** - (Central Heating and Domestic Hot Water required)

Set the mode knob (C) '  ' (winter).

The boiler will fire and supply heat to the radiators.

The domestic hot water preheat will operate with the preheat button set to '**Preheat On**'.

**Summer Conditions** - (Domestic Hot Water only required)

Set the mode knob (C) to '  ' (summer).

Set the central heating demand on the external controls to OFF.

The domestic hot water preheat will operate with the preheat button set to '**Hot Water On**'.

### Boiler Off

Set the mode knob (C) to '**BOILER OFF**'. The boiler mains power supply must be left on to enable frost protection (see Frost Protection).

### PREHEAT - DOMESTIC HOT WATER

The domestic hot water heat exchanger within the boiler can be kept preheated to provide faster delivery of hot water at the tap. This is achieved by pressing the preheat button to "**Preheat On**".

The boiler will operate periodically for a few seconds to maintain the domestic hot water heat exchanger in a preheated condition. The average time period between operation is 90 minutes. This may vary considerably due to the surrounding ambient temperature of the boiler. The boiler will operate whenever there is a demand for domestic hot water.

If standard hot water delivery is satisfactory set the preheat to '**Preheat Off**'.

## CONTROL OF WATER TEMPERATURE

### Domestic Hot Water

The domestic hot water temperature is limited by the boiler controls to a maximum temperature of 65°C, adjustable via the domestic hot water temperature knob (B). At low DHW draw off rates the maximum temperature may exceed 65°C.

Approximate temperatures for domestic hot water:

Knob Setting	Hot Water Temperature (approx.)
Minimum	40°C
Maximum	65°C


Due to system variations and seasonal temperature fluctuations domestic hot water flow rates/temperature rise will vary, requiring adjustment at the tap : the lower the flow rate the higher the temperature, and vice versa.

### Central Heating

The boiler controls the central heating radiator temperature to a maximum of 80°C, adjustable via the central heating temperature knob (B).

Approximate temperatures for central heating:

Knob Setting	Central Heating Radiator Temperature (approx.)
Minimum	30°C
Maximum	80°C

For economy setting '  ' refer to Efficient Heating System Operation.

## EFFICIENT HEATING SYSTEM OPERATION

The boiler is a high efficiency, condensing appliance which will automatically adjust its output to match the demand for heat. Therefore gas consumption is reduced as the heat demand is reduced.

The boiler condenses water from the flue gases when operating most efficiently. To operate your boiler efficiently (using less gas) turn the central heating temperature knob (B) to the 'e' position or lower. In winter periods it may be necessary to turn the knob towards the 'MAX' position to meet heating requirements. This will depend on the house and radiators used.

Reducing the room thermostat setting by 1°C can reduce gas consumption by up to 10%.

## WEATHER COMPENSATION

When the Weather Compensation option is fitted to the system then the central heating temperature knob (B) becomes a method of controlling room temperature. Turn the knob clockwise to increase room temperature and anti-clockwise to decrease room temperature. Once the desired setting has been achieved, leave the knob in this position and the system will automatically achieve the desired room temperature for all outside weather conditions.

## BOILER FROST PROTECTION

The boiler is fitted with frost protection that operates in all modes, provided the power supply to the boiler is always turned on. If the water in the boiler falls below 5°C, the frost protection will activate and run the boiler to avoid freezing. The process does not guarantee that all other parts of the system will be protected.

If a system frost thermostat has been installed, the boiler must be set in winter mode, '❄️', for the system frost protection to run.

If no system frost protection is provided and frost is likely during a short absence from home it is recommended to leave the system heating controls or built in programmer (if fitted) switched on and run at a reduced temperature setting. For longer periods, the entire system should be drained.

## BOILER RESTART

To restart the boiler, when directed in the listed fault messages (see section 9) press "Restart". The boiler will repeat its ignition sequence. If the boiler still fails to start consult a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII).

## MAINS POWER OFF

To remove all power to the boiler the mains power switch must be turned off.

### 3. SYSTEM WATER PRESSURE

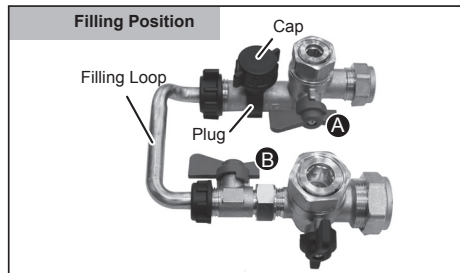
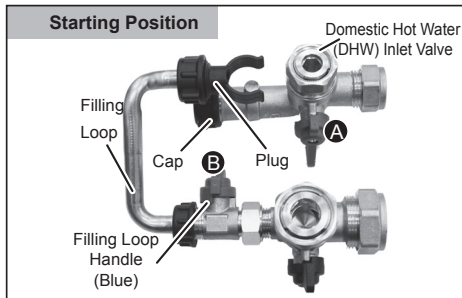
The system pressure gauge (G - see page 4) indicates the central heating system pressure. If the pressure is seen to fall below the original installation pressure of 1-2 bar over a period of time and continue to fall then a water leak may be indicated. In this event re-pressurise the system as shown below. If unable to do so or if the pressure continues to drop a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGI) should be consulted.



**THE BOILER WILL NOT OPERATE IF THE PRESSURE HAS REDUCED TO LESS THAN 0.3 BAR UNDER THIS CONDITION.**

#### To Top up the system :-

1. Ensure both **A** & **B** handles (blue) are in closed position (as shown below)
2. Remove the plug and cap and retain.
3. Connect the filling loop to the Domestic Hot Water (DHW) inlet and tighten. Also ensure that the other end of filling loop is hand tight.
4. Turn the Domestic Hot Water (DHW) Inlet **A** blue handle to the horizontal position.
5. Ensuring no leaks are seen, gradually turn the filling loop handle (blue) **B** to the horizontal position.
6. Wait for the pressure gauge to reach 1 to 1.5 bar.
7. Once pressure is reached turn valves **A** & **B** back to the closed position.
8. Disconnect the filling loop, replace cap and plug. Note there can be some water spillage at this point.



## 4. CONDENSATE DRAIN

This appliance is fitted with a siphonic condensate trap system that reduces the risk of the appliance condensate from freezing. However should the condensate pipe to this appliance freeze, please follow these instructions:

- a. If you do not feel competent to carry out the defrosting instructions below please call your local Gas Safe Registered installer for assistance.
- b. If you do feel competent to carry out the following instructions please do so with care when handling hot utensils. Do not attempt to thaw pipework above ground level.

If this appliance develops a blockage in its condensate pipe, its condensate will build up to a point where it will make a gurgling noise prior to locking out displaying "Ignition Lockout" on the display. If the appliance is restarted it will make a gurgling noise prior to it locking out displaying "Ignition Lockout" on the display..

To unblock a frozen condensate pipe;

1. Follow the routing of the plastic pipe from its exit point on the appliance, through its route to its termination point.  
Locate the frozen blockage. It is likely that the pipe is frozen at the most exposed point external to the building or where there is some obstruction to flow. This could be at the open end of the pipe, at a bend or elbow, or where there is a dip in the pipe in which condensate can collect. The location of the blockage should be identified as closely as possible before taking further action.

2. Apply a hot water bottle, microwaveable heat pack or a warm damp cloth to the frozen blockage area. Several applications may have to be made before it fully defrosts.  
Warm water can also be poured onto the pipe from a watering can or similar. DO NOT use boiling water.
3. Caution when using warm water as this may freeze and cause other localised hazards.
4. Once the blockage is removed and the condensate can flow freely, restart the appliance. (Refer to "To Start the boiler")
5. If the appliance fails to ignite, call your Gas Safe Registered engineer.

### Preventative Solutions

During cold weather, set the central heating temperature knob (B) to "MAX", (Must return to original setting once cold spell is over).

Place the heating on continuous and turn the room thermostat down to 15°C overnight or when unoccupied. (Return to normal after cold spell).



## 5. GENERAL INFORMATION

### BOILER PUMP

The boiler pump will operate briefly as a self-check once every 24 hours, regardless of system demand.

### MINIMUM CLEARANCES

Clearance of 165mm (6 1/2") above, 100mm (4") below, 2.5mm (9/8") at the sides and 450mm (17 3/4") at the front of the boiler casing must be allowed for servicing.

### BOTTOM CLEARANCE

Bottom clearance after installation can be reduced to 5mm

This must be obtained with an easily removable panel, to enable the system pressure gauge to be visible and to provide the 100mm clearance required for servicing.

### SERVICE REQUEST FUNCTION

When the boiler has been installed for more than 1 year the following message will appear on screen:

Service Due	
	Phone 01482 498660
Hot Water Preheat On	Restart

Press "Restart" to clear this message.

### ESCAPE OF GAS

Should a gas leak or fault be suspected contact the National Gas Emergency Service without delay. **Telephone 0800 111 999.**

Ensure that;

- All naked flames are extinguished
- Do not operate electrical switches
- **Open all windows and doors**

### CLEANING

For normal cleaning simply dust with a dry cloth. To remove stubborn marks and stains, wipe with a damp cloth and finish off with a dry cloth. **DO NOT use abrasive cleaning materials.**

### MAINTENANCE

The appliance should be serviced at least once a year by a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGI).

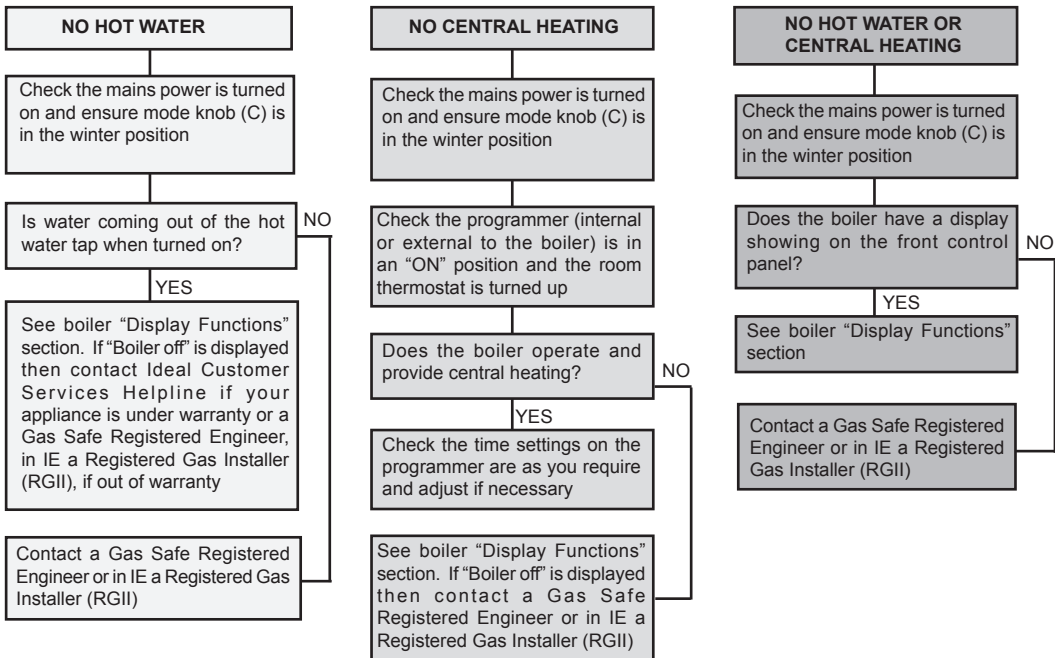
## 6. POINTS FOR THE BOILER USER

**Note.** *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineers visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*

**FOR ANY QUERIES PLEASE RING THE  
IDEAL CONSUMER HELPLINE : 01482 498660**

**NOTE. BOILER RESTART PROCEDURE -  
To restart boiler press the Restart button**


















## TROUBLESHOOTING



## 7. DISPLAY FUNCTIONS - NORMAL OPERATION MODE

The display scrolls through a maximum of 3 messages under any operational condition, as shown below.






















**Note.** The temperatures shown below are for illustration purposes only. The measured temperatures will be shown on the boiler.

Mode Knob in "BOILER OFF" position:	<div style="text-align: center;">Boiler Off</div> <hr/> <div style="text-align: right;">Menu</div>	Domestic hot water operation with call for CH: <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  On 60°C             </div> <div style="text-align: center;">  Ready             </div> <div style="text-align: center;">  </div> </div> <div style="text-align: center; margin-top: 5px;">Hot Water Priority</div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="text-align: center;">Hot Water Preheat Off</div> <div style="text-align: right;">Menu</div> </div>
Mode knob in "I" position and no heat demand:	<div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  Ready             </div> <div style="text-align: center;">Off</div> <div style="text-align: center;">  </div> </div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="text-align: center;">Hot Water Preheat Off</div> <div style="text-align: right;">Menu</div> </div>	Central Heating Operation: <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  Ready             </div> <div style="text-align: center;">On 70°C</div> <div style="text-align: center;">  </div> </div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="text-align: center;">Hot Water Preheat Off</div> <div style="text-align: right;">Menu</div> </div>
Mode knob in "I" position and no heat demand:	<div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  Ready             </div> <div style="text-align: center;">Ready</div> <div style="text-align: center;">  </div> </div> <div style="text-align: center; margin-top: 5px;">Room Stat or Timer Off</div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="text-align: center;">Hot Water Preheat Off</div> <div style="text-align: right;">Menu</div> </div>	Preheat operation: <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  Pre heat             </div> <div style="text-align: center;">  </div> <div style="text-align: center;">Off</div> <div style="text-align: center;">  </div> </div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="text-align: center;">Hot Water Preheat On</div> <div style="text-align: right;">Menu</div> </div>
Domestic hot water operation without call for CH:	<div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  On 60°C             </div> <div style="text-align: center;">  Ready             </div> <div style="text-align: center;">  </div> </div> <div style="text-align: center; margin-top: 5px;">Room Stat or Timer Off</div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="text-align: center;">Hot Water Preheat Off</div> <div style="text-align: right;">Menu</div> </div>	Boiler frost protection: <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  Boiler Frost Protection On             </div> <div style="text-align: center;">  </div> </div> <div style="text-align: center; margin-top: 5px;">Room Stat or Timer Off</div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="text-align: center;">Hot Water Preheat On</div> <div style="text-align: right;">Menu</div> </div>

Service required:	Service Due
	 Phone 01482 498660
	Hot Water Preheat On      Restart

## 8. DISPLAY FUNCTIONS - SETTINGS CHANGED

**Note.** The temperatures shown below are for illustration purposes only. The measured temperatures will be shown on the boiler.

DHW temperature knob moved:	<table border="1"> <tr><td>Hot Water Temperature</td></tr> <tr><td> <b>62</b> °C</td></tr> <tr><td>OK</td></tr> </table>	Hot Water Temperature	 <b>62</b> °C	OK	<p><b>Pre-Heat</b></p> <p>If preheat is switched on, then the boiler will periodically fire the burner. Thereby reducing the time taken to provide hot water. If preheat is switched off the response time will be reduced, although gas consumption will also be reduced.</p>						
Hot Water Temperature											
 <b>62</b> °C											
OK											
CH temperature knob moved:	<table border="1"> <tr><td>Radiator Temperature</td></tr> <tr><td><b>80</b> °C </td></tr> <tr><td>OK</td></tr> </table>	Radiator Temperature	<b>80</b> °C 	OK	<p>To switch preheat on press the "Hot Water Preheat Off" button:</p> <table border="1"> <tr> <td> Ready</td> <td>Ready </td> </tr> <tr> <td colspan="2">Room Stat or Timer Off</td> </tr> <tr> <td colspan="2">Hot Water Preheat Off      Menu</td> </tr> </table>	 Ready	Ready 	Room Stat or Timer Off		Hot Water Preheat Off      Menu	
Radiator Temperature											
<b>80</b> °C 											
OK											
 Ready	Ready 										
Room Stat or Timer Off											
Hot Water Preheat Off      Menu											
CH temperature knob moved with outside sensor connected:	<table border="1"> <tr><td>Room Setpoint</td></tr> <tr><td><b>20</b> °C </td></tr> <tr><td>OK</td></tr> </table>	Room Setpoint	<b>20</b> °C 	OK	<p>To switch preheat off press the "Hot Water Preheat On" button:</p> <table border="1"> <tr> <td> Ready</td> <td>Ready </td> </tr> <tr> <td colspan="2">Room Stat or Timer Off</td> </tr> <tr> <td colspan="2">Hot Water Preheat On      Menu</td> </tr> </table>	 Ready	Ready 	Room Stat or Timer Off		Hot Water Preheat On      Menu	
Room Setpoint											
<b>20</b> °C 											
OK											
 Ready	Ready 										
Room Stat or Timer Off											
Hot Water Preheat On      Menu											

## 9. DISPLAY FUNCTIONS - FAULT MESSAGES

BOILER DISPLAY MESSAGE	ACTION						
<table border="1"> <tr> <td colspan="2" data-bbox="77 192 404 228">Outside Sensor Fault</td> </tr> <tr> <td colspan="2" data-bbox="77 228 404 322">Contact Installer</td> </tr> <tr> <td data-bbox="77 322 258 358">Restart</td> <td data-bbox="258 322 404 358">Menu</td> </tr> </table>	Outside Sensor Fault		Contact Installer		Restart	Menu	<p>Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</p>
Outside Sensor Fault							
Contact Installer							
Restart	Menu						
<table border="1"> <tr> <td colspan="2" data-bbox="77 384 404 420">Low Mains Voltage</td> </tr> <tr> <td colspan="2" data-bbox="77 420 404 519">Contact Electricity Provider</td> </tr> <tr> <td colspan="2" data-bbox="77 519 404 555">Menu</td> </tr> </table>	Low Mains Voltage		Contact Electricity Provider		Menu		<p>Contact a qualified electrician or your electricity provider.</p>
Low Mains Voltage							
Contact Electricity Provider							
Menu							
<table border="1"> <tr> <td colspan="2" data-bbox="77 576 404 612">PCB Fault</td> </tr> <tr> <td colspan="2" data-bbox="77 612 404 710">Contact Installer</td> </tr> <tr> <td data-bbox="77 710 258 746">Restart</td> <td data-bbox="258 710 404 746">Menu</td> </tr> </table>	PCB Fault		Contact Installer		Restart	Menu	<p>Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</p>
PCB Fault							
Contact Installer							
Restart	Menu						
<table border="1"> <tr> <td colspan="2" data-bbox="77 767 404 803">Too Many Restarts</td> </tr> <tr> <td colspan="2" data-bbox="77 803 404 902">Contact Installer</td> </tr> <tr> <td data-bbox="77 902 258 938">Restart</td> <td data-bbox="258 902 404 938">Menu</td> </tr> </table>	Too Many Restarts		Contact Installer		Restart	Menu	<ol style="list-style-type: none"> <li>1. Turn power off and on at the fused supr.</li> <li>2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</li> </ol>
Too Many Restarts							
Contact Installer							
Restart	Menu						

## 9. (CONT'D) DISPLAY FUNCTIONS - FAULT MESSAGES

BOILER DISPLAY MESSAGE	ACTION								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Flame on Before Gas On</td> </tr> <tr> <td colspan="2" style="text-align: center;">Contact Installer</td> </tr> <tr> <td style="text-align: center;">Restart</td> <td style="text-align: center;">Menu</td> </tr> </table>	Flame on Before Gas On		Contact Installer		Restart	Menu	<p>Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</p>		
Flame on Before Gas On									
Contact Installer									
Restart	Menu								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Water Pressure 1/3</td> </tr> <tr> <td colspan="2" style="text-align: center;">With Boiler Off &amp; System Cold</td> </tr> <tr> <td colspan="2" style="text-align: center;">Fill system to 1.0 Bar</td> </tr> <tr> <td colspan="2" style="text-align: center;">Menu</td> </tr> </table> <p style="text-align: center;">↓</p>	Water Pressure 1/3		With Boiler Off & System Cold		Fill system to 1.0 Bar		Menu		
Water Pressure 1/3									
With Boiler Off & System Cold									
Fill system to 1.0 Bar									
Menu									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Water Pressure 2/3</td> </tr> <tr> <td colspan="2" style="text-align: center;">Bleed Radiators</td> </tr> <tr> <td colspan="2" style="text-align: center;">Refill System to 1.0 Bar</td> </tr> <tr> <td style="text-align: center;">Restart</td> <td style="text-align: center;">Menu</td> </tr> </table> <p style="text-align: center;">↓</p>	Water Pressure 2/3		Bleed Radiators		Refill System to 1.0 Bar		Restart	Menu	
Water Pressure 2/3									
Bleed Radiators									
Refill System to 1.0 Bar									
Restart	Menu								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Water Pressure 3/3</td> </tr> <tr> <td colspan="2" style="text-align: center;">If fault persists</td> </tr> <tr> <td colspan="2" style="text-align: center;">Contact Installer</td> </tr> <tr> <td style="text-align: center;">Restart</td> <td style="text-align: center;">Menu</td> </tr> </table>	Water Pressure 3/3		If fault persists		Contact Installer		Restart	Menu	<p>Check system pressure is between 1 &amp; 1.5bar on the pressure gauge. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</p>
Water Pressure 3/3									
If fault persists									
Contact Installer									
Restart	Menu								

## 9. (CONT'D) DISPLAY FUNCTIONS - FAULT MESSAGES

BOILER DISPLAY MESSAGE	ACTION
<p>Overheat Lockout 1/4</p> <p>With Boiler Off &amp; System Cold Fill system to 1.0 Bar</p> <p>Restart            Menu</p>	<p>Check system pressure is between 1 &amp; 1.5 bar on the pressure gauge. Restart the appliance. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</p>
<p>Overheat Lockout 2/4</p> <p>Bleed Radiators Refill System to 1.0 Bar</p> <p>Restart            Menu</p>	
<p>Overheat Lockout 3/4</p> <p>Check Radiator Valves And Boiler Valves Are Open</p> <p>Restart            Menu</p>	
<p>Overheat Lockout 4/4</p> <p>Restart Boiler If Fault Persists Contact Installer</p> <p>Restart            Menu</p>	



## 9. (CONT'D) DISPLAY FUNCTIONS - FAULT MESSAGES

BOILER DISPLAY MESSAGE	ACTION												
<table border="1"> <tr> <td colspan="2" data-bbox="82 194 406 228">Flame Loss</td> </tr> <tr> <td colspan="2" data-bbox="82 228 406 332">Contact Installer</td> </tr> <tr> <td data-bbox="82 332 225 366">Restart</td> <td data-bbox="225 332 406 366">Menu</td> </tr> </table>	Flame Loss		Contact Installer		Restart	Menu	<ol style="list-style-type: none"> <li>1. Check other gas appliances in the house are working to confirm a supply is present in the property.</li> <li>2. If other appliances fdo not work or there are not other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</li> </ol>						
Flame Loss													
Contact Installer													
Restart	Menu												
<table border="1"> <tr> <td colspan="2" data-bbox="82 388 406 422">Ignition Lockout 1/2</td> </tr> <tr> <td colspan="2" data-bbox="82 422 406 526">Check Other Gas Appliances Work Restart Boiler</td> </tr> <tr> <td data-bbox="82 526 225 560">Restart</td> <td data-bbox="225 526 406 560">Menu</td> </tr> </table> <p style="text-align: center;">▼</p> <table border="1"> <tr> <td colspan="2" data-bbox="82 583 406 617">Ignition Lockout 2/2</td> </tr> <tr> <td colspan="2" data-bbox="82 617 406 721">If Fault Persists Contact Installer</td> </tr> <tr> <td data-bbox="82 721 225 755">Restart</td> <td data-bbox="225 721 406 755">Menu</td> </tr> </table>	Ignition Lockout 1/2		Check Other Gas Appliances Work Restart Boiler		Restart	Menu	Ignition Lockout 2/2		If Fault Persists Contact Installer		Restart	Menu	<ol style="list-style-type: none"> <li>1. Check other gas appliances in the house are working to confirm a supply is present in the property.</li> <li>2. If other appliances fdo not work or there are not other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</li> </ol>
Ignition Lockout 1/2													
Check Other Gas Appliances Work Restart Boiler													
Restart	Menu												
Ignition Lockout 2/2													
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Restart	Menu												
<table border="1"> <tr> <td colspan="2" data-bbox="82 774 406 809">Fan Fault</td> </tr> <tr> <td colspan="2" data-bbox="82 809 406 912">Contact Installer</td> </tr> <tr> <td data-bbox="82 912 225 946">Restart</td> <td data-bbox="225 912 406 946">Menu</td> </tr> </table>	Fan Fault		Contact Installer		Restart	Menu	<p>Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).</p>						
Fan Fault													
Contact Installer													
Restart	Menu												

## 9. (CONT'D) DISPLAY FUNCTIONS - FAULT MESSAGES

BOILER DISPLAY MESSAGE	ACTION			
<table border="1"><tr><td data-bbox="77 194 405 232">Flow Thermistor Fault</td></tr><tr><td data-bbox="77 232 405 329">Contact Installer</td></tr><tr><td data-bbox="77 329 405 366">Restart            Menu</td></tr></table>	Flow Thermistor Fault	Contact Installer	Restart            Menu	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
Flow Thermistor Fault				
Contact Installer				
Restart            Menu				
<table border="1"><tr><td data-bbox="77 387 405 424">Return Thermistor Fault</td></tr><tr><td data-bbox="77 424 405 522">Contact Installer</td></tr><tr><td data-bbox="77 522 405 559">Restart            Menu</td></tr></table>	Return Thermistor Fault	Contact Installer	Restart            Menu	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
Return Thermistor Fault				
Contact Installer				
Restart            Menu				



Ideal Boilers Ltd. pursues a policy of continuing improvement in the design and performance of its products. The right is therefore reserved to vary specification without notice.



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