



USER GUIDES
Combi boiler

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Renelec Chalgrove Limited
Unit 43
Monument Business Park
Chalgrove
Oxfordshire
OX44 7RW

+ USER GUIDE

LOGIC COMBI ES
ES24 ES30 ES35

For Installation Guide see reverse of book

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.

For the very latest copy of literature for specification and maintenance practices visit our website www.idealboilers.com where you can download the relevant information in PDF format.

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

NOTE. BOILER RESET PROCEDURE -

To reset boiler, turn mode control knob to reset position and immediately turn knob back to required setting.

Introduction

The **Logic Combi ES** is a wall mounted, room sealed, condensing combination boiler, featuring full sequence automatic spark 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.

The **Logic Combi ES** is a combination boiler providing both central heating and instantaneous domestic hot water.

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 (RGI) 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 (RGI).
- Under **NO** circumstances should any of the sealed components on this appliance be used incorrectly or tampered with.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of 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.

In cases of repeated or continuous shutdown a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGI) should be called to investigate and rectify the condition causing this and carry out an operational test. Only the manufacturers original parts should be used for replacement.

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 Stelrad Group 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

Minimum Clearances

Clearances of **165mm (6 1/2")** above, **100mm (4")** below, **2.5mm (1/8")** 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 consumer to view the system pressure gauge, and to provide the 100mm clearance required for servicing.

To light the boiler. Refer to Frame 1

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

1. CHECK THAT THE ELECTRICITY SUPPLY TO BOILER IS OFF.
2. Set the mains mode knob control (D) to 'Off'.
3. Set the Domestic Hot Water temperature control (B) and Central Heating temperature control (C) to 'max'.
4. Ensure that all hot water taps are turned off.
5. Switch ON electricity to the boiler and check that all external controls, e.g. programmer and room thermostat, are ON.
6. Set the mode knob control to winter (☁️ III).

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

Note. In normal operation the boiler status display (E) will show codes:

D Standby - no demand for heat.

C CH being supplied.

d DHW being supplied.

F During normal operation the burner on indicator (F) will remain illuminated when the burner is lit.

Note: If the boiler fails to light after five attempts the fault code **L-2** will be displayed.

RESET PROCEDURE

To reset boiler, turn the mode control knob (D) to reset position and immediately turn knob back to required setting. The boiler will repeat the ignition sequence. If the boiler still fails to light consult a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGI).



Operation

Winter conditions - i.e. CH and DHW required.

Ensure the mode knob control (D) is set to winter (☔)

The boiler will fire and supply heat to the radiators but will give priority to DHW on demand.

Summer conditions - i.e. DHW only required.

Set the mode knob control to Summer (☀).

Set the CH external controls to OFF.

The boiler will fire whenever there is a demand for DHW.

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

Control of water temperature

Domestic Hot Water

The DHW temperature is limited by the boiler controls to 64°C maximum at low draw-off rate, adjustable via the DHW temperature control (B).

Approx. flow temperatures for the boiler thermostat settings are:

Knob Setting	Flow Temperature
Minimum	40°C (104°F)
Maximum	64°C (147°F)

Due to system variations and seasonal temperature fluctuations DHW flow rates/temperature rise will vary, requiring adjustment at the draw off tap : the lower the 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 CH temperature control (C).

The Logic Combi ES is a high efficiency combination boiler which is most efficient when operating in condensing mode.

The boiler will operate in this mode if the CH temperature control (C) is set to the 'e' position (economy mode). This control should be set to maximum for very cold periods

Weather Compensation

When the Weather Compensation option is fitted to the system then the CH Temperature Control (C) 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.

To shut down the boiler

Set the mode knob control to OFF

To relight the boiler

Repeat the procedure detailed in 'To light the boiler'.

Frost protection

If no system frost protection is provided and frost is likely during a short absence from home, leave the heating controls (if fitted) at a reduced temperature setting. For longer periods, the entire system should be drained.

If the system includes a frost thermostat then, during cold weather, the boiler should be turned OFF at the time switch (if fitted) ONLY. The mains supply should be left switched ON, with the boiler thermostat left in the normal running position.

Boiler Overheat Protection

The boiler controls will shut down the boiler in the event of overheating. Should this occur, a fault code L-1 will be displayed.

Refer to fault chart.

Flame Failure

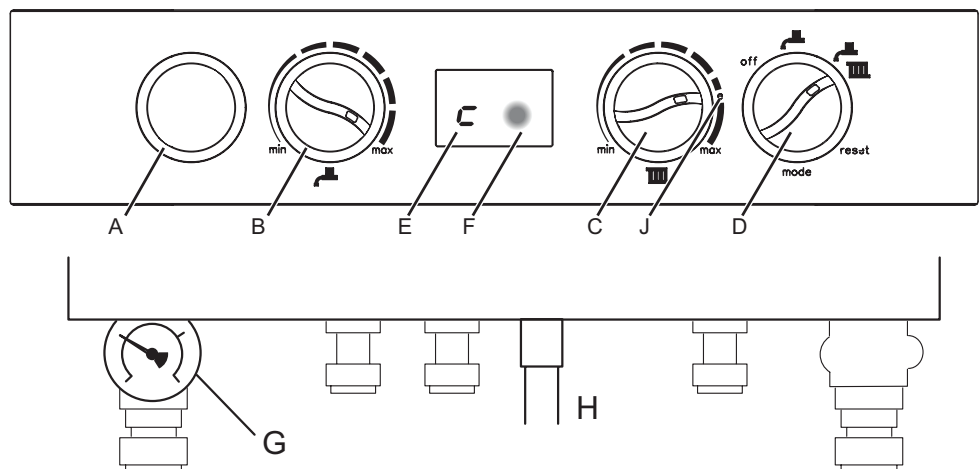
Should this occur a fault code F-2 will be displayed. Refer to fault chart.

continued

1 BOILER CONTROLS

Legend

- A. Blank
- B. DHW Temperature Control
- C. CH Temperature Control
- D. Mode Control
- E. Boiler Status
- F. Burner 'on' Indicator
- G. Pressure Gauge
- H. Condensate Drain
- J. Economy Mode



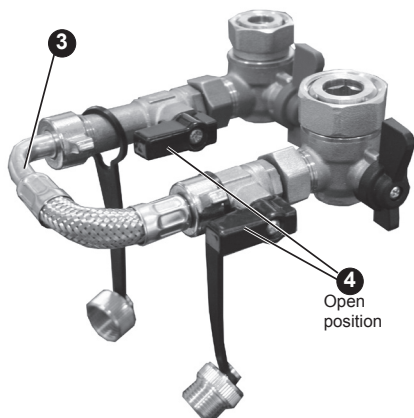
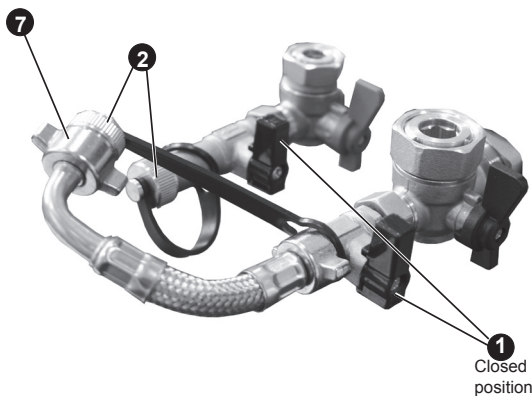
Loss of system water pressure

The gauge (G) 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 then a water leak may be indicated. In this event conduct the re-pressurising procedure 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 re-pressurise:

1. Ensure filling loop isolation valves are closed.
2. Remove the left hand caps.
3. Attach on the filling loop.
4. Turn the filling loop isolation valves to the open position. The system will now fill.
5. Wait for pressure gauge to reach 1 to 1.5 bar.
6. Close the filling loop isolation valves.
7. Disconnect the filling loop at left hand side and angle upwards.
8. Replace caps.



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 an "L2" fault code. If the appliance is reset it will make a gurgling noise prior to it locking out on a failed ignition "L2" code.

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, reset the appliance. (Refer to "To Light the boiler")
5. If the appliance fails to ignite, call your Gas Safe Registered engineer.

Preventative solutions

During cold weather, set the boiler stat to maximum, (Must return to original setting once cold spell is over)

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

Escape of gas

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

Do NOT search for gas leaks with a naked flame.

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

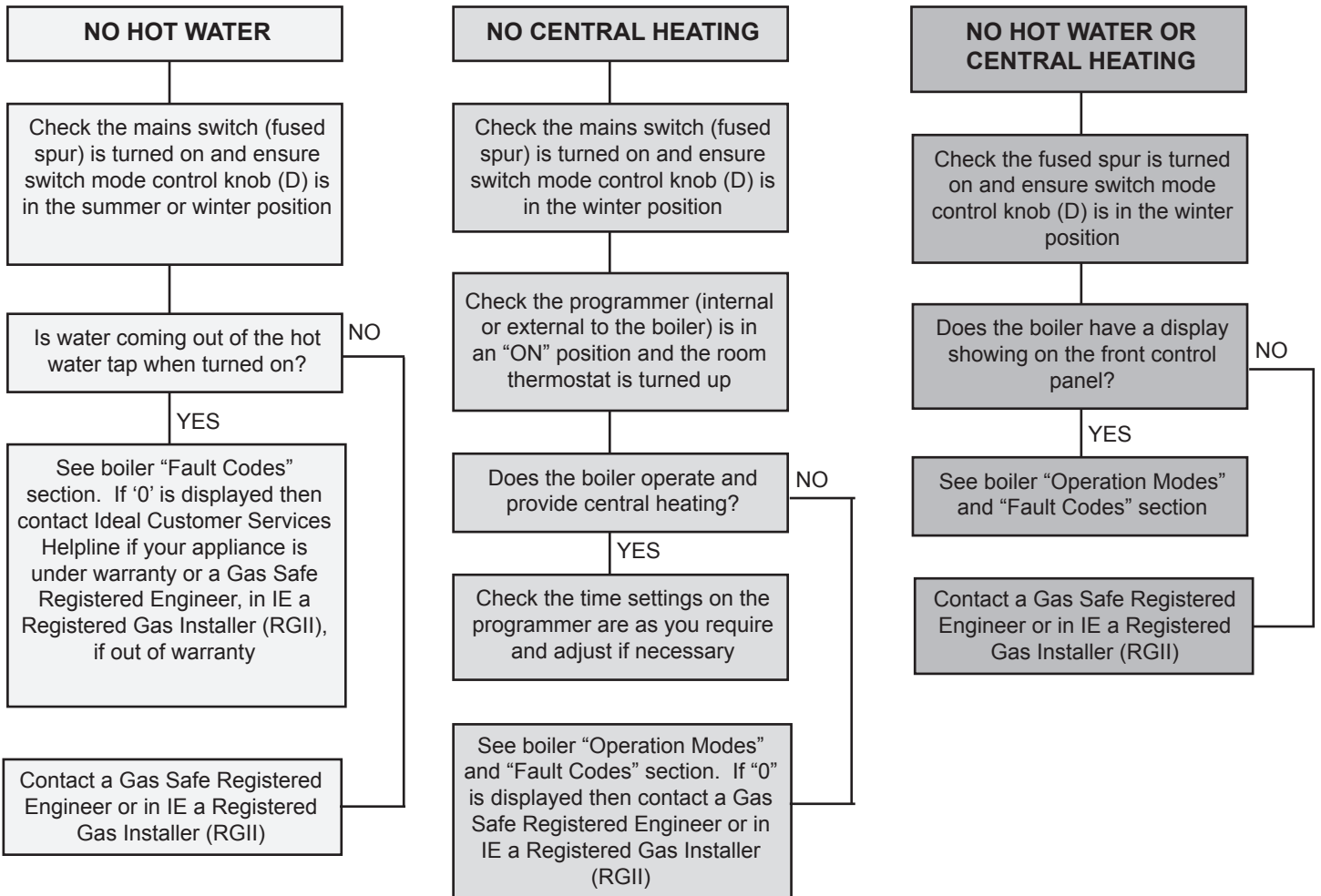
The appliance should be serviced at least once a year by a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGI).

continued

POINTS FOR THE BOILER USER


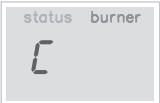
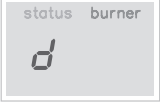
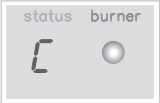

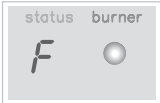
Note. In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineers visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for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

TROUBLESHOOTING



continued

OPERATION MODES

DISPLAY CODE ON BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in hot water mode.
	The boiler is operating in frost mode.

continued

FAULT CODES

DISPLAY CODE ON BOILER	DESCRIPTION	ACTION
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 6</div> </div>	Outside Sensor Failure	Reset 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 7</div> </div>	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 9</div> </div>	Unconfigured PCB	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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner L</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 5</div> </div>	5 Boiler Resets in 15 minutes	<ol style="list-style-type: none"> 1. Turn power off and on at the fused spur. 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner L</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 6</div> </div>	False Flame Lockout	Reset 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner L</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 0</div> </div>	BCC Activation Fault	Reset 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner L</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 2</div> </div>	BCC Fault	
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 1</div> </div>	Low Water Pressure	Check system pressure is between 1 & 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner L</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 1</div> </div>	Flow Temperature Overheat or No Water Flow	
<div style="display: flex; flex-direction: column; justify-content: space-around;"> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 2</div> </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner L</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 2</div> </div> </div>	Flame Loss	<ol style="list-style-type: none"> 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 3</div> </div>	Fan Fault	Reset 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 4</div> </div>	Flow Thermistor	Reset 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).
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">status burner 5</div> </div>	Return Thermistor	Reset 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).



**Self-contained
Carbon Monoxide Alarm
“The Professional’s Choice”**

Our products and services protect millions of people every day. Why would you trust your life or the safety of your family to anyone else?

H450EN Self-contained Carbon Monoxide Alarm



Why choose the H450EN

Carbon Monoxide (CO) alarm:

- 6 year guarantee, up to 7 year life of alarm
- Superior electrochemical cell sensing technology
- Easy to install and use
- Automatic sensor adjustment function ensures complete accuracy
- Approved to EN50291-1:2010 and Kitemarked
- Continuous self test function
- Batteries pre-fitted in alarm
- No sensors to replace
- No mains power
- No maintenance
- End of unit life indication



The H450EN is an easy to use and reliable self-contained Carbon Monoxide alarm. Designed for use in all domestic environments such as homes, static caravans and home parks.



All gas appliances should be checked for safety annually.

The H450EN has a unique fold down flap on the front of the unit which provides a range of useful information to the user without having to refer back to the comprehensive instruction manual.

This includes:

- A description of the potential alarm and fault signals that the unit can give
- What to do if the full alarm sounds and a contact telephone number
- Contact details for our CO Advice Line and CO alarm replacements
- Contact details for Gas Safe Register (ensure gas installers are properly registered)

Sensor Technology

The latest electrochemical cell technology ensures complete accuracy and reliability giving a 6 year guarantee and up to 7 year life under normal operating conditions. It is officially approved and Kitemarked to the stringent performance requirements of EN50291-1:2010 - the European Standard for domestic Carbon Monoxide alarms.

Installation

The H450EN is easily attached using the fixing kit provided, with no need for any wiring. No maintenance is required for the full 7 year life of the alarm, with no sensors or any parts to replace.

Maintenance-free Operation

This alarm, including batteries, is guaranteed for 6 years. The batteries are sealed inside the alarm, preventing access by the user and do not require replacement for the whole life of the alarm (up to 7 years).

The Professional's Choice

The H450EN is widely regarded as the professional's choice of Carbon Monoxide alarm and is the chosen unit of numerous major organisations such as gas suppliers, energy companies, local authorities and housing associations etc.

Visual signalling



The H450EN provides a visual signalling in addition to its audible alarm. It enables the user to clearly distinguish between a

dangerous alarm situation, a fault situation like almost empty batteries, and normal operation. This is achieved with the new dual-colour status light, which will flash green to indicate normal operation, and yellow in case of a fault. This also provides a clear end of unit life indication for the unit.



BS EN50291-1:2010

Honeywell is a leading manufacturer of Carbon Monoxide alarms

General Specification



Specification	
Detection Principle	Electrochemical cell
Operating Voltage	3V
Alarm Life	Up to 7 years under normal operating conditions
Alarm Indication	Audible and visual alarm
Buzzer Output	> 85 decibels (dB) at 1m
Operating Temperature Range	-10 to +40°C
Humidity Range	30 to 90% RH non condensing
Alarm Levels	50ppm between 60 to 90 minutes 100ppm between 10 to 40 minutes 300ppm < 3 minutes (as required by EN50291-1:2010)
Weight	0.1kg (100g) approx.
Dimensions	110mm x 76mm x 34mm
Test Facility	Yes
Self Check Function	Yes

Ordering Information	
Blister Pack (UK/FR/DE/NL)	H2109B0181SE
Trade Box (UK/FR/DE/NL)	H2109B0180SE
Trade Box (UK/IT/ES/PT)	H2109B0180SEB




Customer Branding

For specific volume contracts, we are able to screen print a customer logo on the front of the unit. This is particularly popular with Local Authorities, Housing Associations and Utilities. Terms and conditions apply - full details on request.

The H450EN is available in a blister pack or trade box.


Contact Us

We also provide a **UK CO Advice Line/Call Centre** facility which is available Monday to Thursday 8.30am to 5pm and Friday 8.30am to 3.30pm. The Call Centre will answer any queries on our products and on CO. Please call **01202 645 577** for more information.



From 1 April 2009, all gas engineers in Great Britain and Isle of Man must be on the new Gas Safe Register® to do gas work lawfully. We fully support the efforts of Gas Safe Register® and will only recommend the use of Gas Safe registered engineers for the servicing of gas appliances.

Honeywell Analytics is a keen supporter of numerous national awareness campaigns designed to raise the profile of CO safety and the use of officially approved CO alarms. These include the *Be Alarmed* campaign, *CO Awareness Week* and *Gas Safety Week*. Honeywell Analytics is actively committed to reducing the injuries and deaths resulting from CO poisoning and works with government and key lobby groups to evolve domestic safety legislation.



Carbon Monoxide - Be Alarmed! is the national campaign to encourage the use of properly approved CO alarms to reduce the number of deaths and injuries caused by Carbon Monoxide. For more information about how to stay safe please visit the campaign website: www.co-bealarmed.co.uk

About the heating in your home....

What is a programmable room thermostat?

A Programmer allows you to set 'On' and 'Off' time periods to suit your own lifestyle. A room thermostat works by sensing the air temperature and switching on the heating when the air temperature falls below the thermostat setting, switching it off once this set temperature has been reached. A programmable room thermostat is a combination of both. It lets you choose what times you want the heating to be on and what temperature it should reach while it is on. It allows you to select different temperatures in your home at different times of the day and on different days of the week to meet your particular needs.

Accepting The Factory Pre-settings

The TP5000 SI has pre-set times already programmed in, which often suit most people. (see table below).

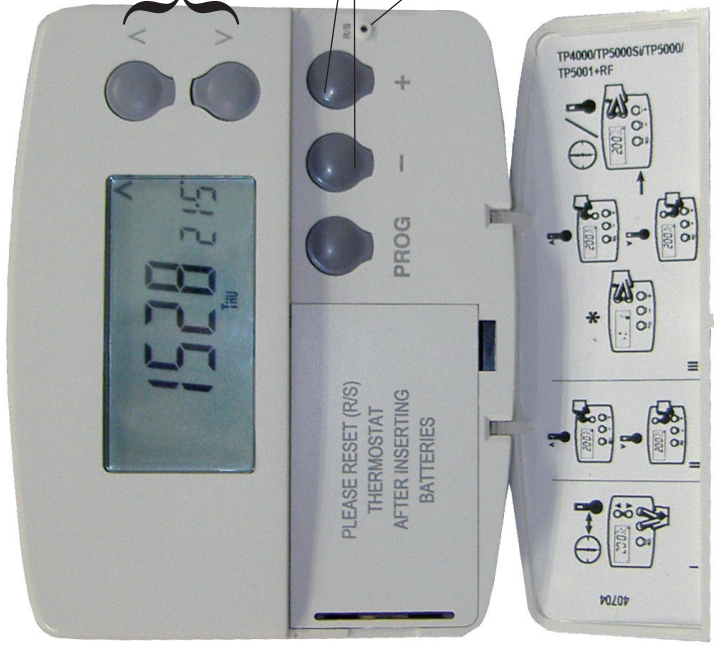
Mon-Fri		Sat-Sun			
Event	Time	Temp °C	Event	Time	Temp °C
1	06:30	20	1	07:30	20
2	08:30	15	2	09:30	20
3	11:30	20	3	11:30	20
4	13:30	15	4	13:30	20
5	16:30	21	5	16:30	20
6	22:30	15	6	22:30	15

Note: if set up for 4 events per day, events 3 & 4 are skipped. If set up for 2 events per day, events 2,3,4 & 5 are skipped and the events are

Battery Replacement

- A low battery symbol will flash in the LCD display
- You have 15 days in which to replace the battery before the unit will switch off
- Remove old batteries and insert new ones, all settings including time are maintained
- Press and release the **RESET** button to restart the unit

NB. If the display ever goes blank during normal operation, the batteries will need to be renewed with high quality alkaline cells. The reset button should be pressed to restart the unit. All times, dates and events will be retained and do not need to be reprogrammed.



Temporary Override Buttons

The TP5000 SI has several useful override buttons which can be selected without affecting the thermostat programming.

Temporary Override Of Programmed Temperature

Press ^ or v until required temperature is displayed (override will automatically cancel at beginning of next programmed event)

Frost Protection

A constant low temperature can be selected whilst away from home by pressing ^ and v together. Then use ^ or v to select the required temperature. To return to automatic programming ^ and v together

Select Display Of Time Or Actual Room Temperature

Press - and + together to change between settings

Reset Button

Partial reset: If the display freezes for any reason press the **RESET** button. This will not reset any programme, clock or date. It is recommended that this is done at time of installation.
User full reset: Press **RESET** whilst holding down the **PROG** button. This resets event times and any user advanced programme setting, but does not reset time or date.

Installer Details

Boiler Service

If your property is owned by a landlord he may have set the boiler service timer for gas safety reasons. If this has been set you will hear an alarm when your boiler needs servicing. Contact your landlord immediately to arrange the boiler service. Failure to do so will result in your heating and hot water system operating at a reduced level.

TP9000 Si User Instructions



The TP9000 is a programmable room thermostat with combined hot water time control.

A programmer allows you to set On and Off time periods to suit the lifestyle of the occupier.

A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached. A programmable room thermostat lets the occupier choose what times they want the heating to be on and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs.

The TP9000 controller is also unique in that it also controls the hot water timings in your home.

Before beginning programming, you should reset the unit. Open the flap on the front of the clock. Press the RESET button using a non-metallic object (e.g. end of a bic biro pen top). (Fig 1)

Fig. 1

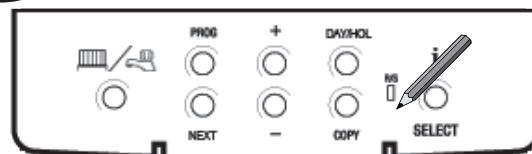


Fig. 2

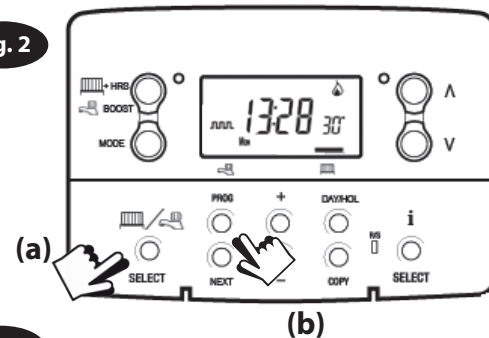


Fig. 3

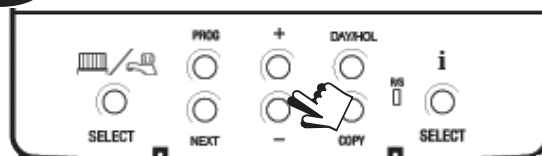


Fig. 4



Fig. 5

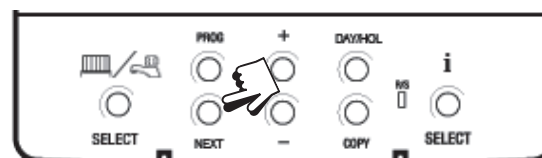


Fig. 6

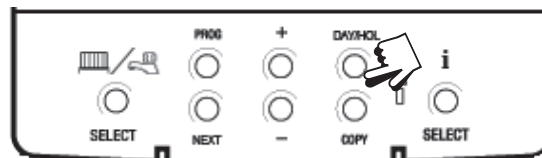


Fig. 7



A. Setting the correct Time and Day

The time and date are factory set and do not need to be set.

B. Accepting the Factory Settings

The TP9000 comes ready programmed with a set of Hot Water times and Central Heating times and temperatures to suit the average household. If you wish to alter these settings follow instructions below.

Your unit is set to operate in 7 day mode.

7 day – different settings for each day of the week

Please follow the instructions below:

C. Programming your central heating - 7 day mode

- A) Press the **CH/HW** button until the **CH** mode is selected (Fig 2a)
- B) Press **PROG** to show the 1st pre-set time and temperature (Event 1 Mon) (Fig 2b)
- C) Use **+** or **-** buttons to adjust the TIME (press and hold to change in 10 min increments). (Fig 3)
- D) Use **A** or **V** buttons to adjust the TEMPERATURE. (Fig 4)
- E) Press **NEXT** to move to next preset time & temp (Event 2) (Fig 5)
- F) Repeat steps c, d and e for programming Events 3, 4, 5 & 6.
- G) to select the next day, press **DAY/HOL** and repeat steps c, d, and e (Fig 6)
- H) repeat process as necessary to complete programming for all 7 days

To return to normal operating mode press and hold **PROG** until screen returns to the current time. (Fig 7)

D. Programming your hot water - 7 day mode

- A) Press the **CH/HW** button until the **HW** mode is selected (Fig 8)
- B) Press **PROG** to show the 1st pre-set time (Event 1 Mon)
- C) Use **+** or **-** buttons to adjust the TIME (press and hold to change in 10 min increments). (Fig 9)
- D) Press **NEXT** to move to next preset time (Event 2) (Fig 10)
- E) Repeat steps c and d for programming Events 3, 4, 5 & 6.
- F) To select the next day, press **DAY/HOL** and repeat steps c, d, and e (Fig 11)
- G) Repeat process as necessary to complete programming for all 7 days

To return to normal operating mode press and hold **PROG** until screen returns to the current time. (Fig 12)

E. Temporary User Overrides

Central Heating:

(ensure Central Heating mode is selected by using the **CH/HW** button)

- **Temporarily alter the current programmed temperature:** Simply press **▲** and **▼** until the required temperature is selected. The unit will now maintain this setting until the start of the next timed event at which point it will revert to pre-programmed user settings. (Fig 13)
- **Temporarily override the current time period:** Pressing the **+HRS BOOST** button will extend the current time/temperature period for 1,2 or 3 hours depending on how many times it is pressed. At the end of the extended period normal operation resumes. (Fig 13)
- **Frost Protection Mode:** Pressing **▲** and **▼** together puts the unit in frost protection mode. A constant low temperature can be selected and this will be maintained until **▲** and **▼** is pressed again to resume normal operation. (Fig 13)

Hot water:

Temporarily override the current time period: Pressing the **+HRS BOOST** button will extend the current time period for 1,2 or 3 hours depending on how many times it is pressed. At the end of the extended period normal operation resumes.

Guide to symbols




-  Indicates that unit is in **ALLDAY** or **AUTO** mode with 2 events per day for 1 On/Off for Hot Water.
-  Indicates that the unit is in **AUTO** mode with 4 events per day for heat or 2 ON/OFF for Hot Water.
-  Indicates that the unit is in **AUTO** mode with 6 events per day for heat or 3 for Hot Water.
- ON** Indicates Hot Water is permanently on (Applies to Hot Water only)
- OFF** Indicates permanently off for Hot Water or Thermostat mode (see 2.5 on page 16) for Heating
- i** The INFO button is used to display information about either the next programmed event for the currently selected mode (central Heating or Hot Water) to display the outdoor temperature (if outdoor sensor is fitted) and to show the Service Due Date if set.

Fig. 8

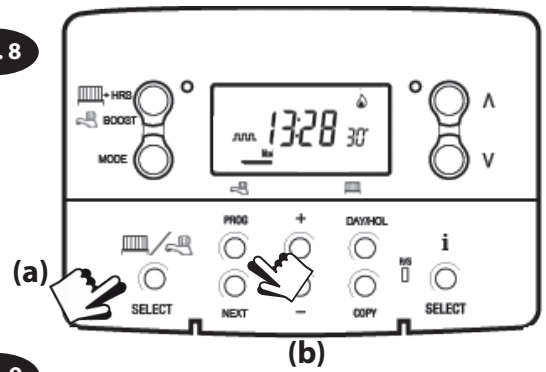


Fig. 9

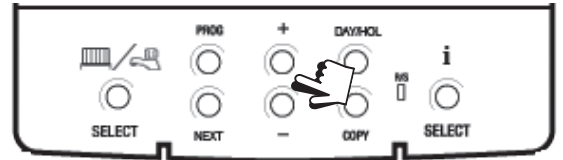


Fig. 10

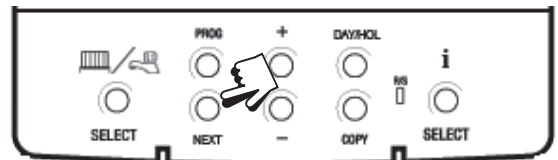


Fig. 11



Fig. 12

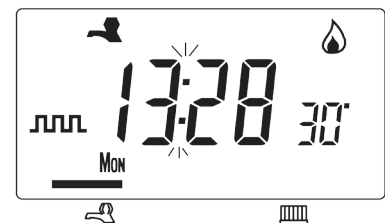
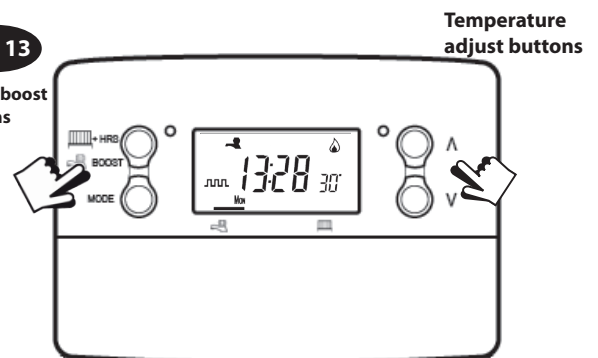


Fig. 13

+hour boost buttons



Danfoss

Danfoss Randall Ltd

Amphill Road
Bedford, MK42 9ER
Tel: 0845 1217 400
Fax: 0845 1217 515
Email: danfossrandall@danfoss.com
Website: www.danfoss-randall.co.uk