


David Wilson Homes USER GUIDE

(Private Heat only)



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Chalgrove
Oxfordshire
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USERS GUIDE

LOGIC Heat 12, 15, 18, 24, 30

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 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 Heat** is a wall mounted, room sealed, condensing heating only 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.

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 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 (RGII) 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.

Minimum Clearances

Clearances of **100mm (4")** 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 mode control knob (B) to 'Off'.
3. Set the Heating temperature control (A) to 'max'.
4. Switch ON electricity to the boiler and check that all external controls, e.g. programmer, room thermostat and cylinder thermostat, are ON.
5. Set the mode control knob to ON.

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

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

- D** Standby - no demand for heat.
- E** Heat being supplied.
- F** Boiler frost protection - boiler will fire if temperature is below 5 degrees C.

During normal operation the burner on indicator (D) 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 (B) to reset position and immediately turn knob back to ON. 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 (RGII).

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



Operation

Control of Water Temperature

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

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

The boiler will operate in this mode if the temperature control (A) 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 (A) 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 control knob 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.

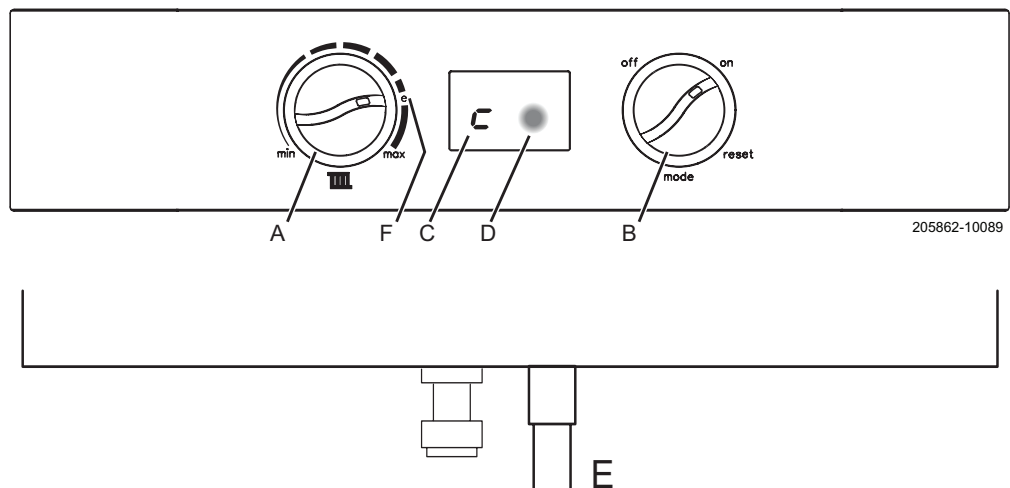
Flame Failure

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

1 BOILER CONTROLS

Legend

- A. Temperature Control
- B. Mode Control
- C. Boiler Status
- D. Burner 'on' Indicator
- E. Condensate Drain
- F. Economy Mode



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.

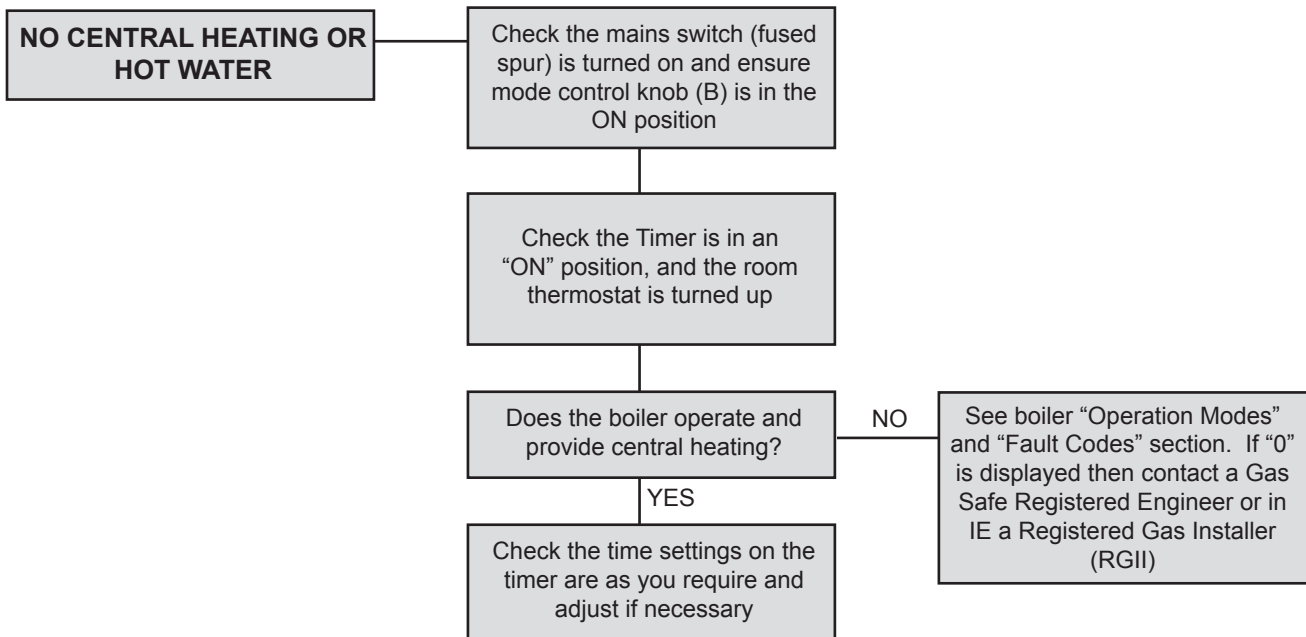
Maintenance

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


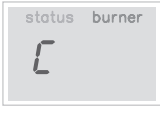


POINTS FOR THE BOILER USER

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





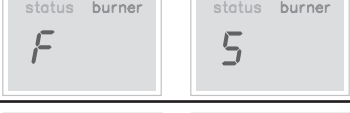
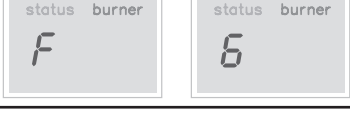
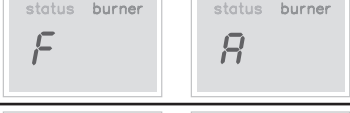
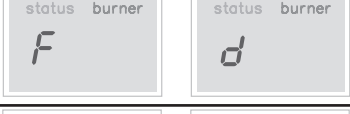

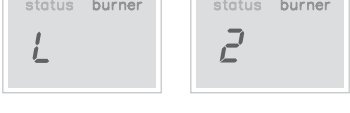




OPERATION MODES

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 heating but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in heating mode.
	The boiler is operating in frost mode.

continued

FAULT CODES

DISPLAY CODE ON BOILER	DESCRIPTION	ACTION
	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).
	BCC Fault	
	Unconfigured PCB	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).
	Flame Loss	See Action - Fault Code L 2
	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).
	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).
	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).
	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).
	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
	PCB Fault	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/Return Reversed	Please contact a Gas Safe Registered Engineer. In IE contact a Registered Gas Installer (RGII).
	No Water Flow	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 Temperature Overheat or Unconfigured PCB	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).
	Ignition Lockout	<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).
	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).
	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).

TP5000 Si/TP5000 RF Si

User Instructions



Before programming the thermostat press and release the **RESET** button to restart the unit. (Fig. 1)

Fig.1



Setting the Clock and Day

The day and time are set in the factory and therefore it will not normally be necessary to do this on site. Changes between summer and winter time are handled automatically by the unit.

Accepting the Factory Pre-settings

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

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 re-numbered.

Fig.2



Fig.3



Mon-Fri

Sat-Sun

Event	Time	Temp. °C
1	06:30	20
2	08:30	15
3	11:30	20
4	13:30	15
5	16:30	21
6	22:30	15

Event	Time	Temp. °C
1	07:30	20
2	09:30	20
3	11:30	20
4	13:30	20
5	16:30	20
6	22:30	15

Fig.4

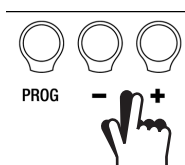


Fig.5



To adjust the factory pre-settings & set your own time and temperature programmes

For Days 1-5 (weekdays)

- Press **PROG** (Fig. 2) until the 1st pre-set time and temperature (Event 1 Days 1,2,3,4,5) (Fig. 3).
- Use **+** or **-** buttons (Fig. 4) to adjust the **TIME** (press and hold to change in 10 min increments).
- Use **▲** or **▼** buttons (Fig. 5) to adjust the **TEMPERATURE**.
- Press **PROG** (Fig. 2) to move to next preset time & temp (Event 2) (Fig. 6).
- Repeat steps b, c & d for programming Events 3, 4, 5 & 6.

Fig.6



For Days 6-7 (weekends)

- Press **PROG** (Fig. 2) to show 1st pre-set time and temperature (Event 1 Days 6-7) (Fig. 7).
- Repeat steps b, c and d above to programme time and temperature events for the weekend.

Fig.7



Returning to RUN mode

Press **PROG** (Fig. 2) – the colon in the LCD display will start to flash (Fig. 8).

Fig.8



Complete Shut off - Summer time

Press **▲** and **▼** together to enter thermostat mode. A frost protection symbol (snowflake in a shield) will appear in the display. Press the down arrow **▼** once, **OFF** will appear in the display.

To return to automatic programming press both **▲** and **▼** together.

Temporary User Overrides

The TP5000 has several useful overrides which can be selected without affecting the thermostat programming.

- **Selection of time or actual room temperature in main LCD display** – press **+** and **-** together to change between settings (Fig. 9).
- **Temporary override of programmed temperature** – press **Λ** or **V** until required temperature is displayed (override will automatically cancel at beginning of next programmed event) (Fig. 10).
- **Frost Protection** – a constant low temperature can be selected whilst away from home - press **Λ** and **V** together (Fig.11). Then use **Λ** or **V** to select the required temperature. To return to automatic programming press **Λ** and **V** together again.

Fig.9

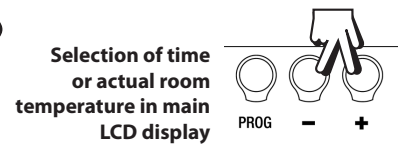


Fig.10



Fig.11



Fig.12



Fig.13

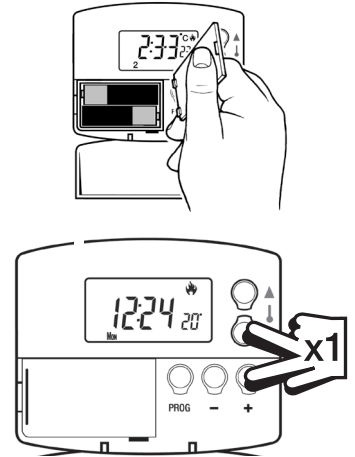


Fig.14

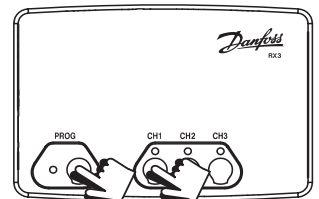


Fig.15



Battery Replacement

- A low **battery symbol will flash** in the LCD display (Fig. 12)
- You have 15 days 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. (Fig. 1)

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 need not be re-programmed.

IMPORTANT RF Models only

To ensure that the factory programmes are set and the micro-computer is operating correctly it is essential that you press and hold the **RESET** button before you begin any commissioning or programming.

Commissioning Instructions

If the thermostat and the receiver have been supplied together in a combined pack, the units have been paired in the factory and no commissioning is required (RX1 only).

To tune the RX receiver to the frequency of the thermostat signal, follow steps 1-5 below.

Step 1

TP5000-RF Si - Reset the unit by pressing the recessed reset button.

Step 2

Press and hold **V** and **+** buttons (fig. 13) for 3 seconds (TP5000 RF Si now transmits unique signal continuously for 3 minutes).

Step 3

RX1 - Press and hold buttons **PROG** and **CH1** for 3 seconds until green light flashes once. (Fig. 14)

Step 4 (Fig.14)

RX2 (if applicable)

Stat 1 - perform steps 1-3 and 5.

Stat 2 -perform steps 1-2 and then press **PROG** and **CH2** on **RX2**.

RX3 (if applicable)

Stat 1 - perform steps 1-3 and 5.

Stat 2 - perform steps 1-2 and then press **PROG** and **CH2** on **RX3** then step 5.

Stat 3 - perform steps 1-2 and then press **PROG** and **CH3** on **RX3**.

Step 5

TP5000Si-RF - Press **V** or **Λ** to select temperature - the unit will revert back to operating mode.

Service Interval Timer

If the property is owned by a landlord he may, for gas safety reasons, have instructed the installer to set the service interval timer.

If set a visual and audible warning will alert you that the boiler will need servicing within the next 28 days. This warning is repeated each day at noon. (Fig. 15)

If the boiler is not serviced within 28 days the daily audible warning will sound continuously and can only be cancelled each day by pressing any button on the unit.

In addition, all overrides and programming buttons will be disabled and the heating and hot water will only operate for 15 minutes in each programmed hour.

As this is a gas safety feature only an installer can reset the service interval timer. This will be done as part of the boiler service as part of the boiler service.



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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)

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 ▲ or ▼ 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)

Fig. 1

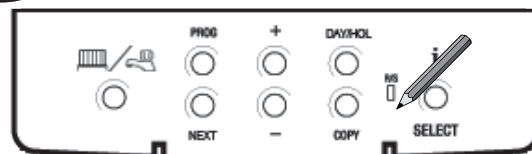


Fig. 2

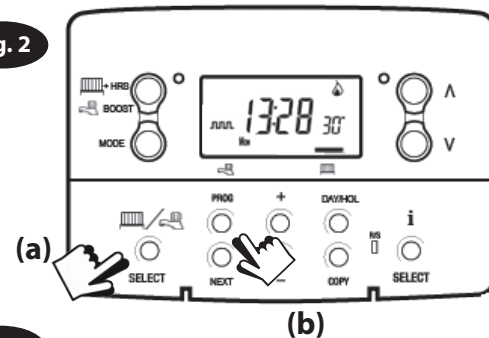


Fig. 3

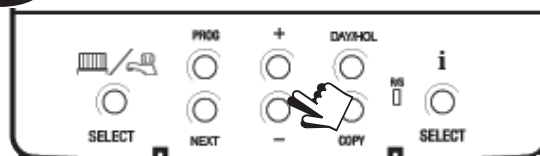


Fig. 4



Fig. 5

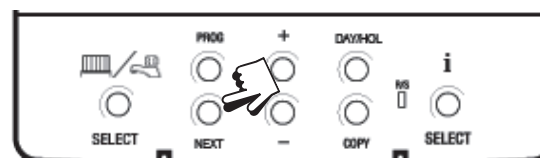


Fig. 6

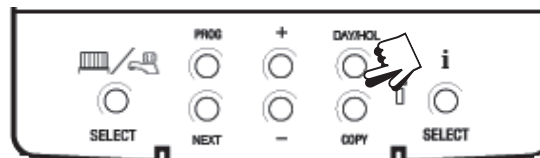


Fig. 7



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

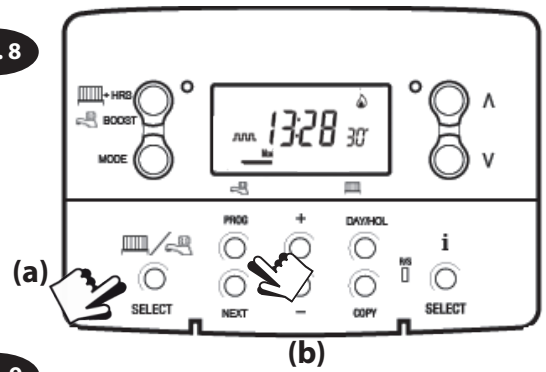


Fig. 9

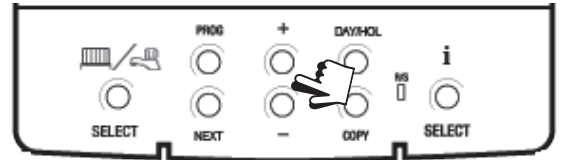


Fig. 10

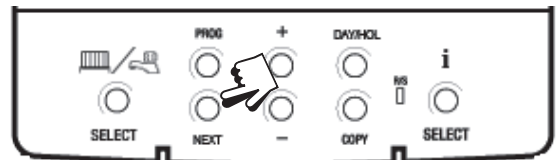


Fig. 11



Fig. 12

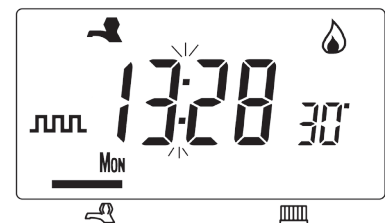
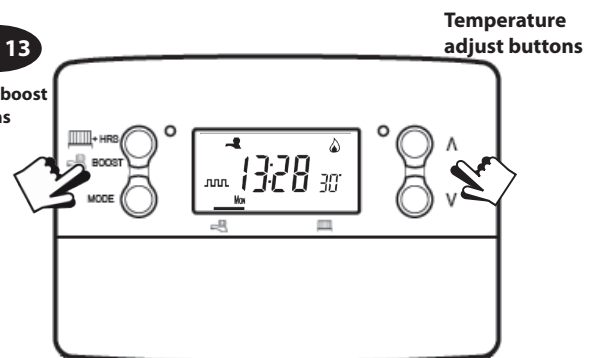


Fig. 13

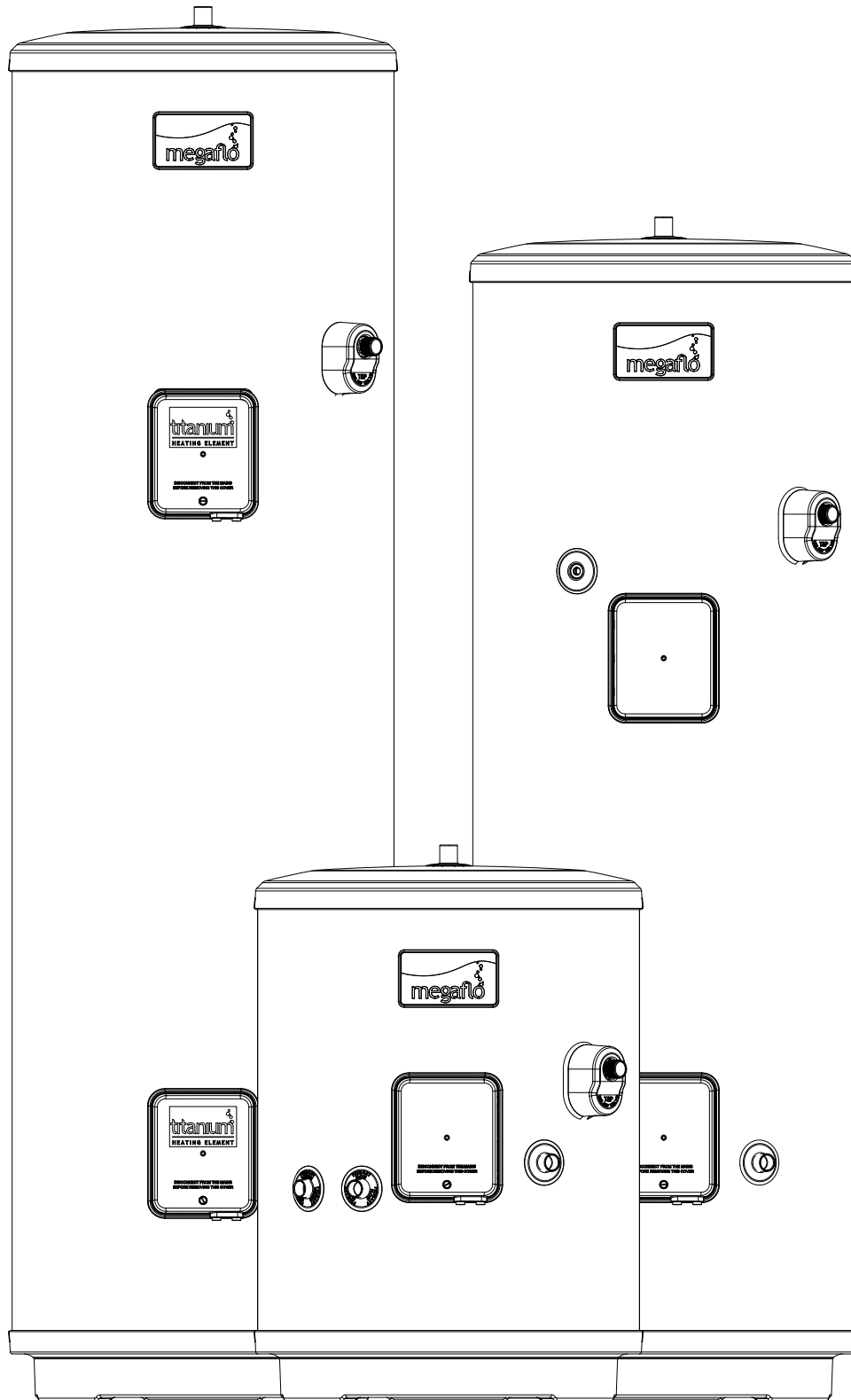
+hour boost buttons



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- User Instructions
- Guarantee
- Customer Service

IMPORTANT LEGAL REQUIREMENT FOR INSTALLERS

Megaфло eco, a trading name of Heatrae Sadia Heating, a licensed member of the Benchmark™ Scheme which aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance. is managed and promoted by the Heating and Hotwater Industry Council. For more information visit www.centralheating.co.uk. Please ensure that the installer has fully completed the Checklist on Page 34 of this manual and that you have signed it to say that you have received a full and clear explanation of its operation. The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales). All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Checklist. This product should be serviced regularly to optimise its safety, efficiency and performance. The service engineer should complete the relevant Service Record on the Checklist after each service. The Checklist may be required in the event of any warranty work.

User Instructions

Warnings

IF WATER DISCHARGES FROM THE TEMPERATURE / PRESSURE RELIEF VALVE ON THE MEGAFLO ECO UNIT REFER TO PAGE 29 (TABLE 6) FIRST FOR GUIDANCE. IF THIS DOES NOT RECTIFY THE FAULT SWITCH OFF ELECTRICAL SUPPLY TO THE IMMERSION HEATER(S) [DIRECT UNITS] OR SHUT DOWN THE BOILER [INDIRECT UNITS]. DO NOT TURN OFF THE WATER SUPPLY. CONTACT A COMPETENT INSTALLER FOR UNVENTED WATER HEATERS TO CHECK THE SYSTEM.

DO NOT TAMPER WITH ANY OF THE SAFETY VALVES FITTED TO THE MEGAFLO ECO SYSTEM, IF A FAULT IS SUSPECTED CONTACT A COMPETENT INSTALLER.

Immersion Heaters

A combined thermostat and thermal cut-out is provided for each immersion heater. The thermostat is factory set to give a water storage temperature of approx. 60°C, however it can be set to control between 12°C and 68°C. This will usually have been done during installation. Adjustments can only be made by opening the terminal cover(s), **DO NOT remove the cover(s) without first switching off the electrical supply.** The temperature adjustment is made by inserting a flat bladed screwdriver in the slot in the disc on top of the thermostat and rotating (see Figure 16, page 23).

If in any doubt consult a competent electrician.

Indirect units (CL models) are fitted with an Indirect Thermostat which controls a 2-port motorised valve and hence the temperature of the water in the Megaфло eco unit. The thermostat is factory set to give a water storage temperature of approx. 60°C, however it can be set to control between 12°C and 68°C, this will usually have been done during installation. Adjustments can only be made by opening the terminal cover. **DO NOT REMOVE THE COVER WITHOUT FIRST SWITCHING OFF THE ELECTRICAL SUPPLY.** Temperature adjustment is made by inserting a flat bladed screwdriver in the adjustment knob located on the front of the thermostat mounting bracket (see Figure 16, page 23) and rotating. At the minimum position the temperature will be approx. 12°C.

If in any doubt consult a competent electrician.

Flow Performance

When initially opening hot outlets a small surge in flow may be noticed as pressures stabilise. This is quite normal with unvented systems and does not indicate a fault. In some areas a cloudiness may be noticed in the hot water. This is due to aeration of the water, is quite normal and will quickly clear.

Operational Faults

Operational faults and their possible causes are detailed in Table 6, page 29 . It is recommended that faults should be checked by a competent installer.

The air volume within the Megaфло eco unit will periodically require recharging to ensure any expanded water is accommodated within the unit. A discharge of water **INTERMITTENTLY** from the Expansion Relief Valve will indicate the air volume has reduced to a point where it can no longer accommodate the expansion. To recharge the air volume:-

- i) Turn off the heat source to the cylinder via programmers / immersion isolation switch(es).
- ii) Turn off the water supply to the Megaфло eco unit by turning off the isolating valve on the 3 Bar Pressure Reducing Valve if fitted at this point or at the 8 Bar Pressure Relief Valve if fitted there. Turn the blue handle so that it lies at 90° to the direction of flow (see Fig 6 for options on valve set) .
- iii) Open the lowest hot tap supplied by the Megaфло eco.
- iv) Hold open the Temperature / Pressure Relief Valve until water ceases to run from the tap and gurgling noise at the valve stops.
- v) Close Temperature / Pressure Relief Valve.
- vi) Turn on the isolating valve at the Cold Water Combination Valve by turning the blue handle so it lies parallel to the direction of flow, when water flows from the hot tap, close tap.
- vii) The air volume will be automatically recharged as the unit refills. If after following the above actions water still discharges from the Expansion Relief Valve further advice should be sought from a competent installer or the Megaфло eco Service Department.

Alternatively you can watch a video clip on how to replenish the air gap on:

<http://www.heateam.co.uk/replenishing-the-air-gap-on-a-megaflo-cylinder.htm>

Lifetime Guarantee Terms and Conditions

WARNING: Should the factory fitted temperature and pressure relief valve be tampered with or removed your guarantee will be invalidated. Neither the Distributor nor Manufacturer shall be responsible for any consequential damage howsoever caused.

Guarantee Terms

Heatrae Sadia guarantees the Megaflo eco against faulty manufacture or materials for a period of two years from the date of purchase including parts and labour. This two year guarantee is extended to five years for the cold water control valve and to lifetime* for the stainless steel inner vessel in domestic properties and to 30 years for the stainless steel inner vessel in commercial buildings.

These guarantees are valid provided that:

The Megaflo eco has been installed by a competent installer and as per the instructions contained in the installation manual and all relevant Codes of Practice and Regulations in force at the time of installation.

Any disinfection has been carried out in accordance with BS 6700.

The Megaflo eco has not been modified in any way other than by heateam approved engineers.

The Megaflo eco has only been used for the storage of wholesome water (max. 250mg/l chloride).

The Megaflo eco has not been subjected to frost, nor has it been tampered with or been subjected to misuse or neglect.

No factory fitted parts have been removed for unauthorised repair or replacement.

The Benchmark™ Commissioning Checklist Service Record included in this product Guide has been completed.

Regular maintenance has been carried out by a competent person in accordance with the requirements set out in the maintenance section of the installation manual and any replacement parts used should be authorised Megaflo eco spare parts. Annual Services are available from Heateam, the service division of Heatrae Sadia. Please contact Heateam on Tel: 0844 871 1535 for further details.

Within 60 days of purchase the owner completes and returns the certificate supplied to register the product. Evidence of purchase and date of supply must be submitted upon making a claim.

This guarantee is not valid for installations outside the United Kingdom.

For installations outside of the United Kingdom, please contact either the Megaflo Export Department on Tel: +44 1603 420271 or Baxi International on Tel: +44 1926 478323 for further details of the guarantee terms and conditions applicable. This guarantee does not affect your statutory rights.

The unit is not guaranteed against damage due to frost. This guarantee does not affect your statutory rights.

***Lifetime is defined as for as long as the original owner who purchased the Megaflo eco / New Home continues to own the property. If the owner sells the property, the new owner (and any future owners) will receive a 30 year warranty from the time the original owner purchased the Megaflo eco or new property with Megaflo eco installed.**



Customer service

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