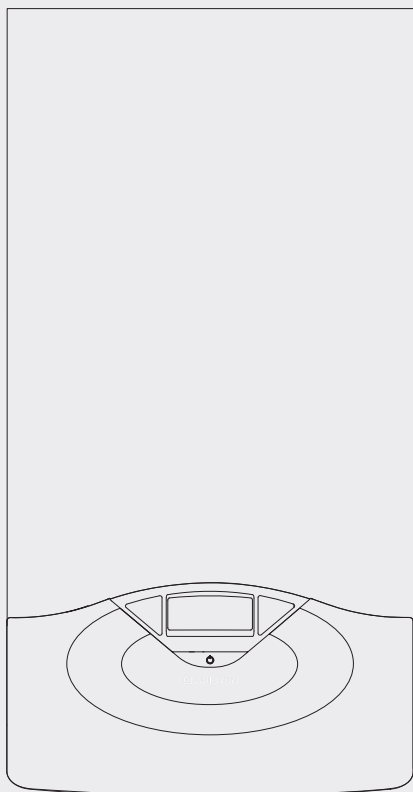




ARISTON

User'Manual

GENUS HE



Condensing wall hung system boiler

G.C.N : 47-116-54 (24 kW)

G.C.N : 47-116-55 (30 kW)

G.C.N : 47-116-56 (38 kW)

GENUS HE 24

GENUS HE 30

GENUS HE 38



*The code of practice for the installation,
commissioning & servicing of central heating systems*

The installation and first ignition of the boiler must be performed by qualified personnel in compliance with current national regulations regarding installation, and in conformity with any requirements established by local authorities and public health organisations.

After the boiler has been installed, the installer must ensure that the end user receives the declaration of conformity and the operating manual, and should provide all necessary information as to how the boiler and the safety devices should be handled.

Dear Customer,

Thank you for choosing an ARISTON boiler.
We guarantee that your boiler is a reliable and technically sound product.

This manual provides detailed instructions and recommendations for the correct use of the appliance.

Remember to keep this manual in a safe place for future reference i.e. by the boiler.

Your local MTS Servicing Centre is at your complete disposal for all requirements.

This appliance is designed to produce central heating and hot water for domestic use.

It should be connected to a heating system and a distribution network for domestic hot water, both of which must be compatible with its performance and power levels.

The use of the appliance for purposes other than those specified is strictly forbidden. The manufacturer cannot be held responsible for any damage caused by improper, incorrect and unreasonable use of the appliance or by the failure to comply with the instructions given in this manual.

Installation, maintenance and all other interventions must be carried out in full conformity with the governing legal regulations and the instructions provided by the manufacturer. Incorrect installation can harm persons, animals and possessions; the manufacturing company shall not be held responsible for any damage caused as a result.

In the event of any maintenance or other structural work in the immediate vicinity of the ducts or flue gas exhaust devices and their accessories, switch the appliance off by turning the electrical switch "OFF" and isolating the gas supply.

Once the work has been completed, ask a qualified technician to check the efficiency of the flue and the devices.

If the boiler should be out of use for a prolonged period,

it is recommended that the electrical power supply be disconnected and that the external gas cock be closed. If low temperatures are expected, the boiler and system pipe work should be drained in order to prevent frost damage.

Turn the boiler off and turn the external switch "OFF" to clean the exterior parts of the appliance using a dry cloth.

Do not allow children or inexperienced persons to use the appliance without supervision.

CE labelling

The CE mark guarantees that the appliance conforms to the following directives:

- **90/396/CEE**
relating to gas appliances
- **2004/108/CEE**
relating to electromagnetic compatibility
- **92/42/CEE**
relating to energy efficiency
- **2006/95/CEE**
relating to electrical safety

GUARANTEE

The appliance is guaranteed for 24 months from the date of purchase.

Aristons only obligation under the guarantee will be to repair or replace the faulty appliance at Aristons discretion. This will be carried out where the fault arises from within defects in the appliance, caused either by material or workmanship of the manufacturer.

This guarantee does not protect malfunction or damage arising from incorrect installation, commissioning or maintenance procedures as laid out in the installation and servicing manual, inefficient flue system, poor or incorrect electricicty, wrong gas supply or pressure, tampering by inexperienced persons and any other cause not directly due to manufacture.

MTS (GB) Limited cannot accept responsibility for any cost arising from repair or maintenance carried out by any third party.

















Service under the guarantee does not affect the expiry date of the guarantee. The guarantee on parts and appliances which are exchanged ends when the guarantee on the original appliance expires.

This guarantee does not affect your statutory rights.

You must have your boiler serviced at the end of the first year to validate your guarantee for the second year.

Safety regulations

Key to symbols:

-  Failure to comply with this warning implies the risk of personal injury, in some circumstances even fatal
-  Failure to comply with this warning implies the risk of damage, in some circumstances even serious, to property, plants or animals.
Do not perform operations which involve opening the appliance.
-  Electrocutation from live components.
Personal injury caused by burns due to overheated components, or wounds caused by sharp edges or protrusions.
Do not perform operations which involve removing the appliance from its installation space .
-   Electrocutation from live components.
Flooding caused by water leaking from disconnected piping.
Explosions, fires or intoxication caused by gas leaking from disconnected piping.
Do not damage the power supply cable.
-  Electrocutation from live uninsulated wires.
Do not leave anything on top of the appliance.
-  Personal injury caused by an object falling off the appliance as a result of vibrations.
Damage to the appliance or items underneath it caused by the object falling off as a result of vibrations.
Do not climb onto the appliance.
-   Personal injury caused by the appliance falling.
Damage to the appliance or any objects underneath it caused by the appliance falling away from its installation space.
Do not climb onto chairs, stools, ladders or unstable supports to clean the appliance.
-  Personal injury caused by falling from a height or cuts (step ladders shutting accidentally).
Do not attempt to clean the appliance without first switching it off and turning the external switch to the OFF position.
-  Electrocutation from live components.
Do not use insecticides, solvents or aggressive detergents to clean the appliance.
-  Damage to plastic and painted parts.
Do not use the appliance for any use other than normal domestic use.
-  Damage to the appliance caused by operation overload.
Damage caused to objects treated inappropriately.
Do not allow children or inexperienced individuals to operate the appliance.
-  Damage to the appliance caused by improper use.**If you detect a smell of burning or smoke coming from the appliance, disconnect it from the electricity supply, turn off the main gas valve, open all windows and call for assistance.**
-  Personal injury caused by burns, smoke inhalation, intoxication.
If there is a strong smell of gas, turn off the main gas valve, open all windows and call for assistance.
-  Explosions, fires or intoxication.



Auto Function

The AUTO function serves to optimise boiler performance, while maintaining an optimum radiator temperature and maximum user comfort. It ensures the building stays at the ideal temperature, whilst saving energy.

The principle is that the water temperature at the boiler outlet is automatically adjusted, depending on the interior ambient temperature.



Timer Programming

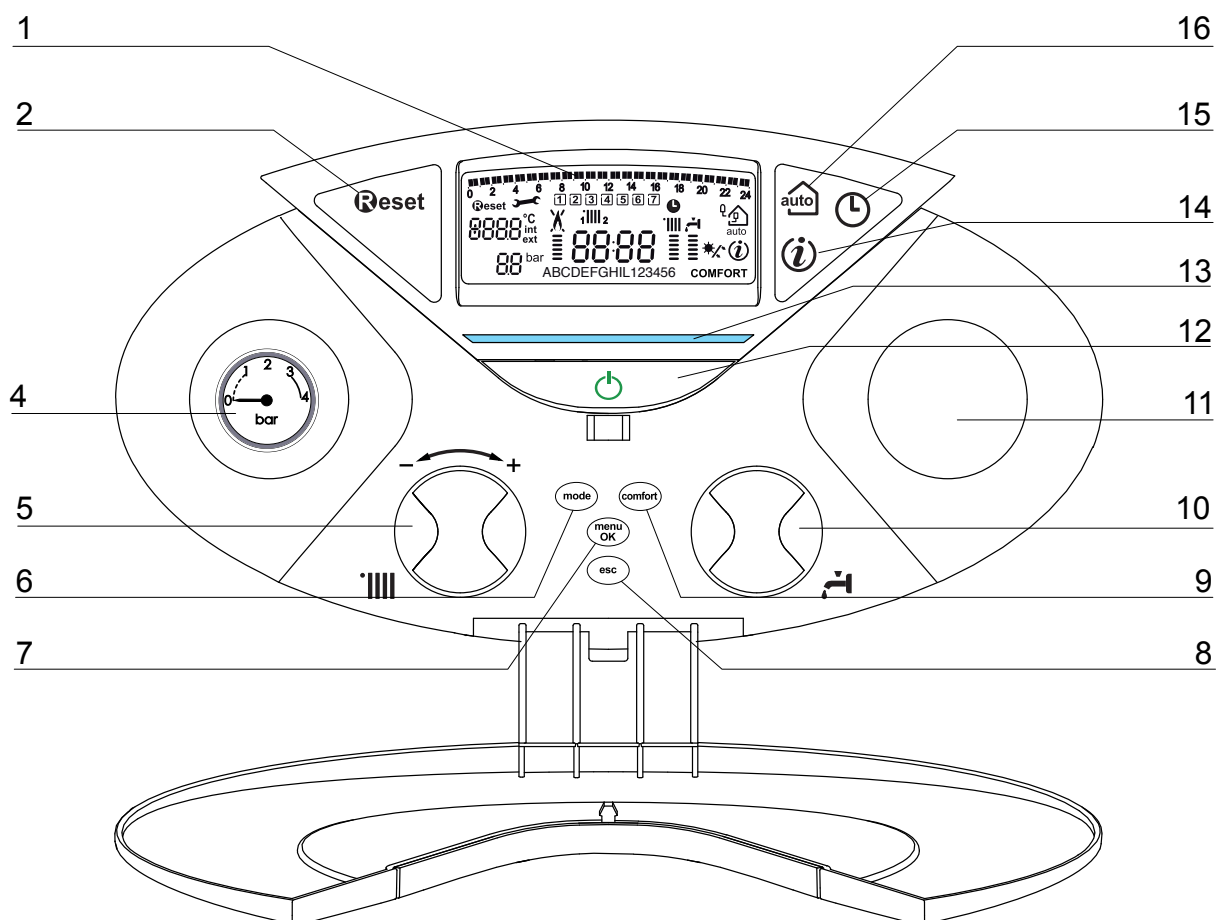
The boiler allows the temperature to be scheduled as required directly from the control panel which displays the operating periods throughout the day.



Info

Allows all information relating to operation of the boiler and its services to be accessed.

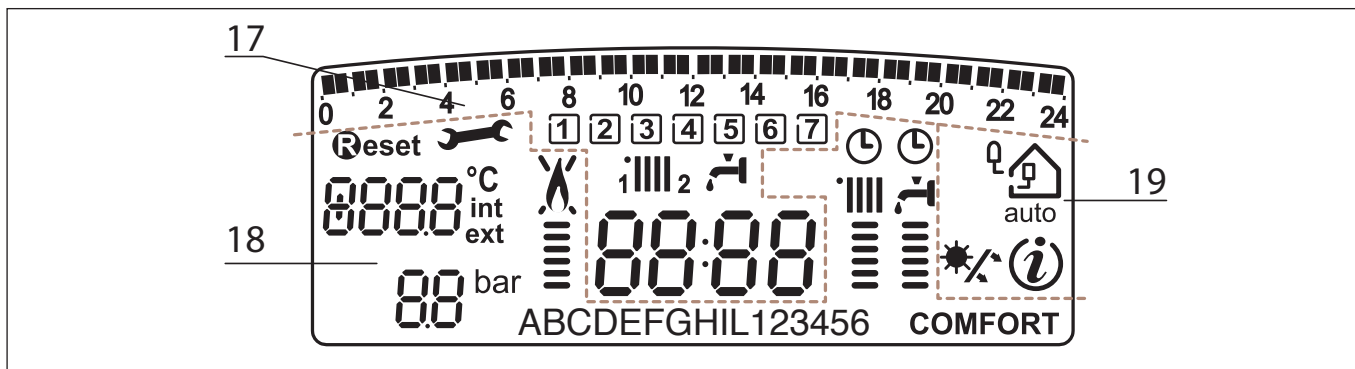
Control Panel



Legend :

- | | |
|---|--|
| 1. Display | 11. Time clock (optional) |
| 2. RESET button | 12. ON/OFF button |
| 4. Pressure gauge | 13. Led burner ON |
| 5. Heating temperature regulation knob/"encoder" programming knob | 14. INFO button |
| 6. MODE button | 15. CLOCK button |
| (Operation mode selection (summer/winter)) | 16. AUTO button (To active Thermoregulation) |
| 7. MENU/OK button (Programming key) | |
| 8. ESC button | |
| 9. COMFORT button | |
| 10. Domestic Hot Water adjustment knob | |

Display



17 . Weekly programming	
	Schedule programming
1 2 3 4 5 6 7	Day of the week (Mon.....Sun)
	Zone indication relating to the display/setting process of the Heating schedule programming (zone 1 and zone 2)
00:00	Date and time
	Heating schedule programming activated
18 . Operation and diagnostics	
	Digits indicating: boiler status and temperature indication menu settings error code signals Internal temperature displayed (with bus device optional) External temperature displayed (with external sensor optional)
Reset	Reset button request
	Technical assistance request
00	Digital pressure gauge
	Flame detected with indication of power used or indication of operation shutdown
	Heating operation and indication of the set temperature level
	Hot water operation and indication of the set temperature level
ABCDE...	Scrolling text displaying operation as information
COMFORT	Hot Water Comfort activated
19 . Room control and management of peripherals	
	AUTO function activated (Temperature regulation activated) with indication of any internal (BUS) or external sensors connected.
	Display Info menu
	Clip-in solar connected (optional) Constant = solar clip-in connected Flashing = use of solar energy activated

Initial operating and filling procedures.

Check the water pressure on the display regularly and make sure that the figure is between 0.6 and 1.5 bar when the system is cold. If the pressure is just under the minimum value the display will request a the boiler be refilled.

To re-pressurise the boiler, it will be necessary to connect the silver flexible hose supplied to the two isolating points underneath the boiler, once the hose is connected, open up both of the black quarter turn handles, once the pressure reads 1.5 bar on the display, close both handles and disconnect the hose . If the pressure drops very frequently, there may be a water leak at some point in the system. If this is the case please contact your installer and ask them to check it.

Ignition procedure

Press the ON/OFF button on the control panel to switch on the boiler. The display shows:



The operating mode will be indicated by the three figures marked out on the diagram above.

The first figure indicates the operating mode:
0 XX - Stand-by, the text on the display show the operating mode selected (*winter* or *summer*)

- C XX - Central heating request
- c XX - Heating post-circulation
- d XX - Domestic hot water request
- H XX - Hot water post-circulation
- F XX - Circulation pump anti-freeze protection enabled
- burner anti-freeze protection enabled

The second and third figures indicate:

- the flow temperature when no heating requests have been made
- the flow temperature in central heating mode
- the temperature of the hot water in domestic hot water mode
- the flow temperature in anti-freeze mode.

Operating mode selection

Use the MODE button **6** to select the desired operating mode.

Operating mode	Display
heating and hot water production for domestic use - winter	
hot water production for domestic use only - summer	

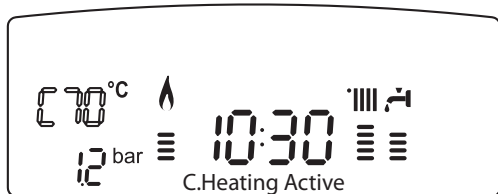
When the boiler is in stand-by (no request from CH or DHW) the text on the display indicates the operating mode selected (winter or summer)

The ignition of the burner is indicated on the display by the symbol the dashes underneath indicate the power output.



Adjusting the heating

Use the MODE button to select the heating and hot water operating mode. It is possible to set the temperature of the heating water by adjusting the knob **5**. By placing the indicator somewhere between min. and max. a temperature may be obtained which varies from about 20°C to about 45°C (low temperature) and about 35°C to about 82°C (high temperature).



The value set previously will flash on the display.

Domestic hot water temperature adjustment

Use the MODE button to select the hot water operating mode. It is possible to set the temperature of the domestic hot water by adjusting the knob **10**. By placing the indicator somewhere between min. and max., a temperature may be obtained which varies from about 36°C to about 60°C.



The value set previously will flash on the display.

COMFORT function

To activate the comfort mode it is necessary to press the comfort button, this will be indicated by a yellow light. The comfort mode has priority over any other heating request.

There are two settings for the comfort mode (they can be adjusted in the parameters menu):

1. As soon as DHW is drawn, the secondary heat exchanger is kept warm for 30 mins.
2. As soon as DHW is drawn, the secondary heat exchanger is kept warm permanently.

This function may be enabled by pressing the COMFORT button.

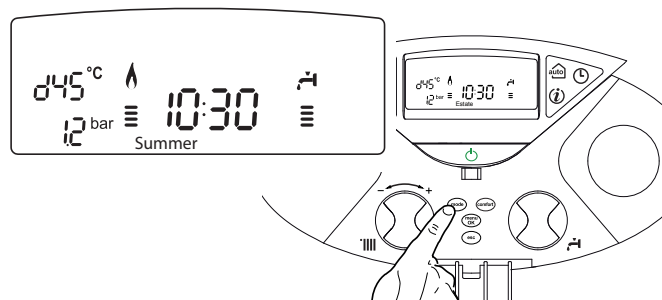
When the function is enabled the text COMFORT appears on the display.



Switching off the heating

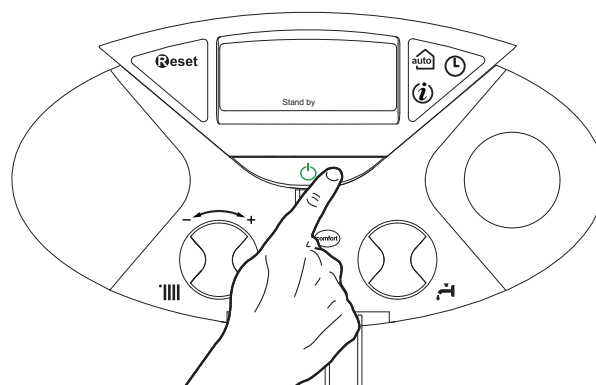
To switch off the heating, press the MODE button; the heating operation symbol will disappear from the display. The Mode button can be used to keep the domestic hot water production process active or to place it in standby (modes deactivated).

In the figure below the boiler remains active only for the production of domestic hot water, indicating the set temperature.



Switching off the boiler

To switch off the boiler press the ON/OFF button





Switch off the boiler completely by switching the external electrical switch to the OFF position; the display will switch off.

Appliance shut-off conditions

The boiler is protected from malfunctions by means of internal checks performed by the electronic P.C.B., which stops the boiler from operating if necessary. In the event of the boiler being shut off in this manner, a code appears on the control panel display which refers to the type of shut-off and the reason behind it. Two types of shut-off may occur:

Safety shut-off

This type of error is "volatile", which means that the boiler starts up again automatically as soon as the problem which caused the shut-off is removed; Err and the error code (e.g. ) flash on the display and the  symbol appears.

In fact, as soon as the cause of the shut-off disappears, the boiler starts up again and continues to operate normally.

While the boiler is shut off for safety reasons, it is possible to attempt to restore normal operation by switching the appliance off and on again using the ON/OFF button on the control panel.

If the boiler still indicates a safety shut-off, switch it off. Make sure the external electric switch is in the OFF position, and contact a qualified technician.

Safety shut-off due to insufficient water pressure


If the water pressure inside the heating circuit is insufficient, the boiler will perform a safety shut-off.

Code 111 (e.g. ) will appear on the display.

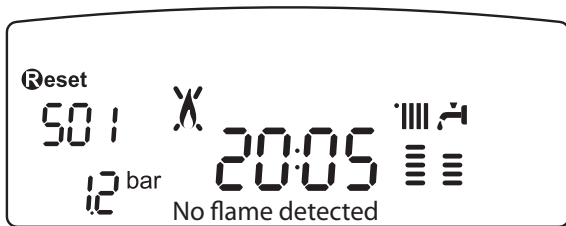
To re-pressurise the boiler, it will be necessary to connect the silver flexible hose supplied to the two isolating points underneath the boiler, once the hose is connected, open up both of the black quarter turn handles, once the pressure reads 1.5 bar on the display, close both handles and disconnect the hose.

If the pressure drops very frequently, there may be a water leak at some point in the system. If this is the case please contact your installer and ask them to check it.


Operation shutdown

This type of error is "non-volatile", which means that it is not removed automatically. The display will flash **ERR** and the error code, and **Reset** appears with the symbol .

In this case the boiler does not restart automatically, but it may be reset by pressing the **Reset** button. If the problem manifests itself again after several attempts to reset the appliance, contact a qualified technician.



IMPORTANT

IF THIS SHUTDOWN OCCURS FREQUENTLY, CONTACT AN AUTHORISED SERVICE CENTRE FOR ASSISTANCE. FOR SAFETY REASONS, THE BOILER WILL ALLOW A MAXIMUM OF 5 RESET OPERATIONS TO TAKE PLACE IN 15 MINUTES (INDIVIDUAL PRESSES OF THE  BUTTON). IF THE SHUTDOWN IS OCCASIONAL OR AN ISOLATED EVENT, THIS IS NOT NECESSARILY A PROBLEM.

Operation shutdown error table

DISPLAY	DESCRIPTION
1 01	Overheating
5 01	No flame detection
1 03	Insufficient circulation
1 04	
1 05	
1 06	
1 07	
1 11	Insufficient water pressure
3 05	P.C.B. error
3 06	P.C.B. error
3 07	P.C.B. error

Anti-frost Device.


The anti-frost function acts on the central heating flow temperature probe, independently from other settings, when the electrical supply is turned on.

If the primary circuit temperature falls below 8°C the pump will run for 2 minutes.

After the two minutes of circulation (fixed) the boiler will check the following:

- a) if the central heating flow temperature is > 8°C, the pump stops;
- b) if the central heating flow temperature is between 4 and 8°C, the pump will run for another two minutes;
- c) if the central heating flow temperature is < 4°C, the burner will fire (heating position) at minimum power until the temperature reaches 33°C, the burner will go off and the pump will continue to run for two minutes.

The anti-frost device activates only when (with the boiler operating correctly):

- the system pressure is correct;
- the boiler is electrically powered, the symbol  is illuminated;
- there is a supply of gas.

Accessing the settings and adjustment menus

The Menu/Ok button can be used to access a series of menus which enable boiler operation to be adapted to the system and to the demands of the user.

The available menus are as follows:

menu 0 = Time-Date-Language

menu 1 = Set Timers

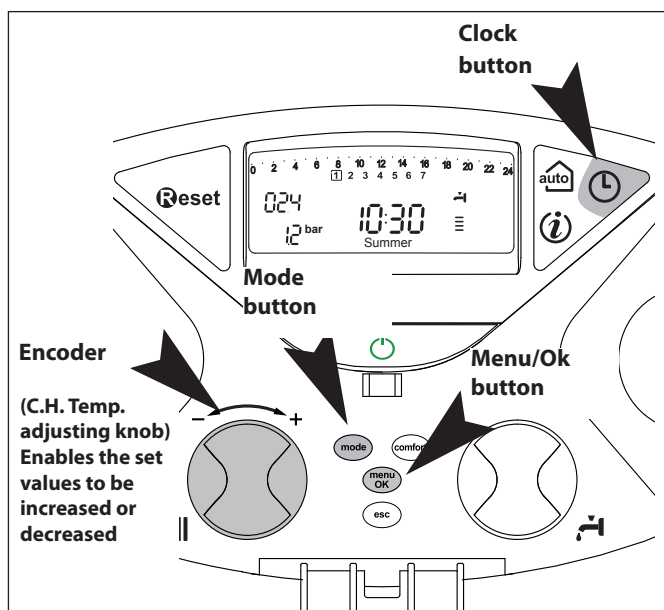
menu 4 = Zone1 Parameters (submenu 0 - parameter 0 1 2)

menu 5 = Zone 2 Parameters (submenu 0 - parameter 0 1 2)

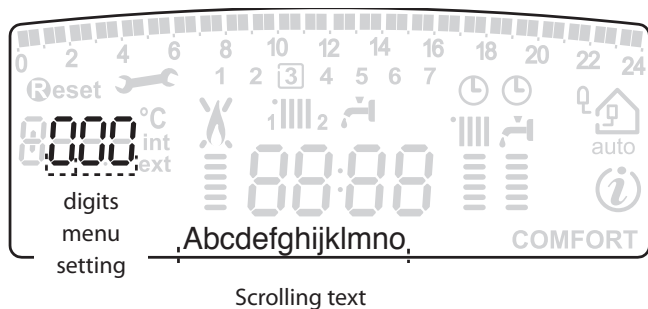
menu Info - accessible with Info button

The parameters relating to each individual menu are listed in the following pages.

The various parameters can be accessed and modified using the Menu/Ok button, Mode button and the encoder (see fig. below). The description of the menus and of each individual parameter will be shown on the display.



Display Informations



MENU 0

menu	sub-menu	description "Display text"		
0	TIME-DATE-LANGUAGE			
0	0	Setting Display Language "Language"	english italiano francais	
0	1	Setting Time - Date "Set Time + Date"	Hour	"Set hour and press MODE"
			minutes	"Set minute and press MODE"
			year	"Set year and press MODE"
			month	"Set month and press MODE"
			day	"Set day and press MODE"
			day of the week (mon.... sun)	"Set Week Day and press OK"
0	2	British Summer Time	Manual Automatic	

Set Language display

The language is set from menu 0 – sub-menu 0, proceed as follows:

- press the MENU/OK button, the display will flash 000;
 - press the MENU/OK button, the display will flash 000;
 - press the MENU/OK button to access the sub-menu;
 - turn the CH knob, the display will give a list of available languages.
- Once the language has been selected, press the MENU/OK button to store the setting,
- press the Esc button to exit the menu.

Setting the time and date

The time and date is set from menu 0 - sub-menu 1, proceed as follows:

- press the MENU/OK button, the display will flash 000;
- press the MENU/OK button, the display will flash 000;
- turn the CH knob to select the sub-menu 010;
- press the MENU/OK button, to access the sub-menu;
- the hours, minutes etc. begin to flash in sequence (see table above).
- Turn the encoder to select the value and press the MODE button to confirm each value entered.
- after the last requested value has been entered (the day of the week), press the MENU/OK button to store the information entered,
- press the ESC button to exit the menu.

British summer time

This is set from menu 0 – sub-menu 0; proceed as follows:

- press the MENU/OK button; 000 will flash on the display.
- press the MENU/OK button again; 000 will flash on the display.
- turn the CH knob to select sub-menu 020.
- press the MENU/OK button again to access the sub-menu.
- press the MENU/OK button to enable the auto update function.
- press the ESC button to exit the menu.

**MENU 1
SET TIMERS**

The boiler can be set to follow a weekly programme which ensures the operation of the appliance fits your requirements and your lifestyle.

To access menu 1 proceed as follows:

- press the MENU/OK button, the display will flash 000.
- turn the CH knob to select menu 100,
- press the MENU/OK button, to access to menu 1
- Turn the CH knob to scroll through the parameters which may be set through menu 1; the various parameters are indicated by the text shown on the display (see table below).
- press the MENU/OK button to access the parameter.

For information relating to changing or scheduling the parameters, please read the contents of the following pages.

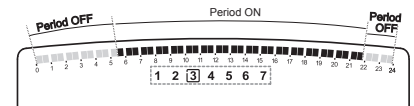
menu	sub-menu	description "Display text"	
1	SET TIMERS		
1	01	Party Function "Party period"	from 15 minutes to 6 hours
1	02	Temporary deactivate of Central Heating "Reduced Temperature"	from 15 minutes to 6 hours
1	03	Funzione Holiday "Holiday Period"	from 0 day to 3 month
1	04	Set timer to display "Display Zone Timer function"	Heating Zone 1 Heating Zone 2 No Zone
1	05	Selection of the zone to be programming "Select Zone To Program"	Heating Zone 1 Heating Zone 2
1	06	Pre-set Timer "Pre-set Timers"	Pre-set Timer 1 Pre-set Timer 2 Pre-set Timer 3
1	07	Personal or pre-set programming every day of the week "Monday->Sunday"	
1	08	Personal or pre-set programming for working days "Monday -> Friday"	
1	09	Personal or pre-set programming for non-working days "Saturday->Sunday"	
1	10	Personal or pre-set programming "Monday"	
1	11	Personal or pre-set programming "Tuesday"	
1	12	Personal or pre-set programming "Wednesday"	
1	13	Personal or pre-set programming "Thursday"	
1	14	Personal or pre-set programming "Friday"	
1	15	Personal or pre-set programming "Saturday"	
1	16	Personal or pre-set programming "Sunday"	
1	17	Copy programming from day to day "Copy day to day"	

WEEKLY PROGRAMMING

The boiler is supplied with three default operating programmes

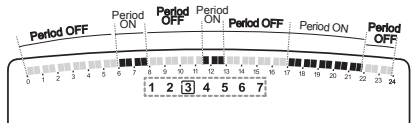
(menu 1 - parameter "pre-set timer" 1 06).

Pre-set programme 1
from monday to sunday



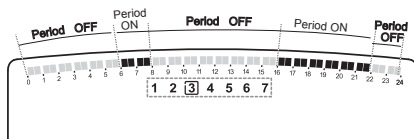
TIME BAND I	
from 00.00 to 05.30	OFF Period
TIME BAND II	
from 05.30 to 22.00	ON Period
TIME BAND III	
from 22.00 to 23.59	OFF Period

Pre-set programme 2
from Monday to Sunday



TIME BAND I	
from 00.00 to 06.00	OFF Period
TIME BAND II	
from 06.00 to 08.00	ON Period
TIME BAND III	
from 08.00 to 11.30	OFF Period
TIME BAND IV	
from 11.30 to 13.00	ON Period
TIME BAND V	
from 13.00 to 17.00	OFF Period
TIME BAND VI	
from 17.00 to 22.00	ON Period
TIME BAND VII	
from 22.00 to 23.59	OFF Period

Pre-set programme 3
from Monday to Sunday



TIME BAND I	
from 00.00 to 06.00	OFF Period
TIME BAND II	
from 06.00 to 08.00	ON Period
TIME BAND III	
from 08.00 to 16.00	OFF Period
TIME BAND IV	
from 16.00 to 22.00	ON Period
TIME BAND V	
from 22.00 to 23.59	OFF Period

Enabling one of the pre-set programmes

To activate one of the pre-set weekly programmes, proceed as follows:

- press the MENU/OK button, on the display flash 100
- turn the CH knob to select menu 100
- press the MENU/OK button to access the parameters
- turn the CH knob in a clockwise direction until 105 appears on the display
- press the MENU/OK button to access heating zone selection
- turn the CH knob and select "Heating Zone 1" or "Heating Zone 2" (if present)
- press the MENU/OK button to confirm the selected zone
- turn the CH knob to select 106 "Pre-set Timers"
- press the MENU/OK button to access the pre-set programme
- turn the CH knob to select one of the 3 available programmes (e.g. "Pre-set Timer 2") see page 8 for pre-set information
- press the MENU/OK button to confirm the selection.
- press the Esc button to restore the normal display screen.

The pre-set timer programme may be applied in heating zones 1 and 2. Proceed as above, select pre-set zone for setting 105 "select programming zone"

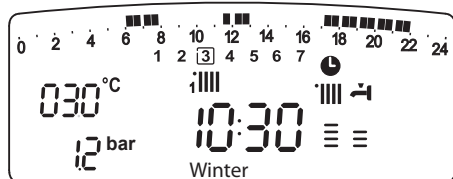
Displaying the selected pre-set programme

To display the selected programme, access menu 1 again as indicated above and turn the CH knob until 104 "Display Zone Timer function" appears.

Press MENU/OK button to access the selection of timers to be displayed. Turn the CH knob to select the relevant heating zone (e.g. "Heating Zone 1").

Press the MENU/OK button again to confirm the selection; the programme will be shown on the display (see note).

To activate the programmed schedule, after exiting the menu, press the CLOCK button; the symbol will appear on the display.



Note: the zone relating to the timer programme is displayed via the symbols located above the timer

- selection zone 1 displayed
- selection zone 2 displayed
- selection hot water displayed

Changing the pre-set programme

In order to adapt the schedule programming to your own requirements, the pre-set programme may be modified.

Access menu 1 as described on the previous page, then turn the CH knob until the day(s) for which you wish to modify the pre-set programme is (are) displayed.

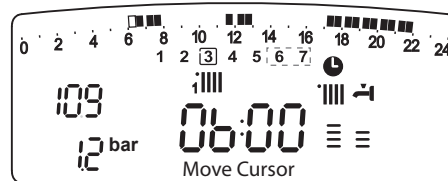
E.g. 109 "Saturday -> Sunday" can be modified as shown below.

TIME BAND I	
between 00.00 and 07.00	OFF Period
TIME BAND II	
between 07.00 and 22.00	ON Period
TIME BAND III	
between 22.00 and 23.59	OFF Period

Press Menu/ok to enter modification mode.

The text "Move Cursor" appears on the display; use the CH knob to position the cursor over the period of time to be modified.

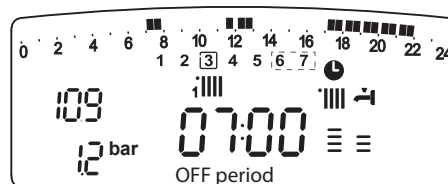
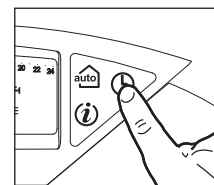
The cursor flashes and the selected time is indicated on the clock (in steps of 15 minutes).



Press the CLOCK button until the text "OFF Period" appears.

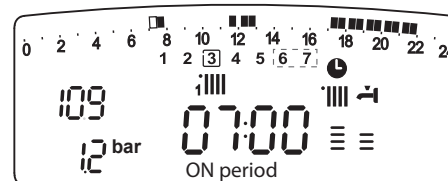
To programme a further inactive heating period (e.g. "OFF Period" to remove an hour from the ON period between 06.00 and 07.00).

Turn the CH knob to move the cursor to the relevant schedule.



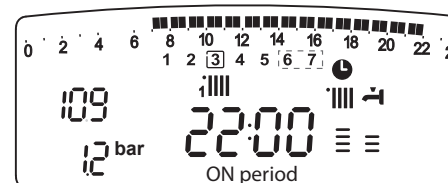
Besides the modification of the time band shown on the display, the clock indicates the selected time in steps of 15 minutes.

Once the modification of the pre-set period is complete, press the CLOCK button and select "On period" to programme another operating stage, in our example this is a single period between



07.00 and 22.00.

Turn the CH knob to move the cursor to the relevant time (22.00 in our example). The cursor, when moved, will make the entire ON



period visible.

After performing all the modifications press the MENU/Ok button to confirm the schedule programming modification.

Then press the Esc button to restore the normal display screen.

To activate the programmed schedule, after exiting the menu, press the CLOCK button; the symbol will appear on the display.

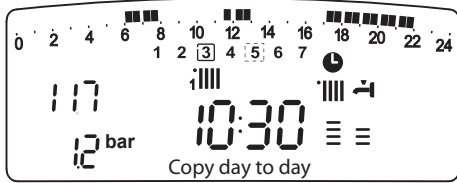
If "OFF period" or "ON period" is selected, other periods may be entered so that the programme is adapted to suit your own requirements, even on a daily basis.

Daily programming may be modified by selecting the relevant day (within menu 1) and entering new OFF periods and ON periods as described above.

Applying a modification to other days of the week

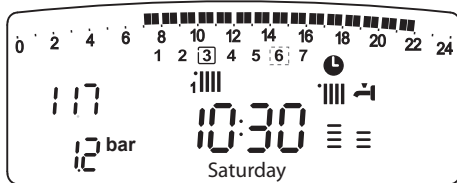
If you wish to modify the programming for a particular day of the week (e.g. *Friday*) using the same data entered for another day (or several other days, for example *Saturday* -> *Sunday*, see above), simply copy the programming from the previously selected day to the next relevant day.

Access menu 1 as instructed in the previous paragraph and turn the CH knob until the display shows 117 "copy day to day".

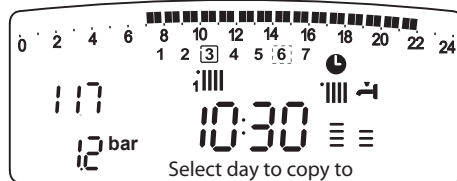


Press the Menu/ok button to activate the modification; "Select day to copy from" appears on the display.

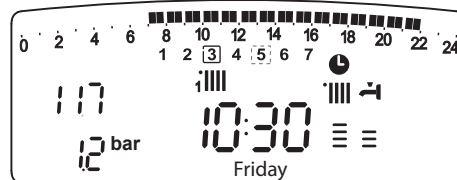
Turn the CH knob until you reach the day to copy (e.g. "Saturday"); the schedule programmed for that day is displayed



Press the MENU/OK button; "Select day to copy to" appears on the display.



Turn the CH knob until the selected day appears on the display, e.g. "Friday".



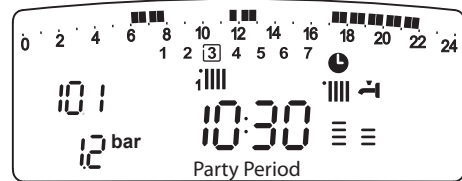
Press the MENU/ok button to confirm the modification. Press Esc until the normal display screen is restored.

Party function

The Party function allows you to set heating operation on (Comfort programme) for a minimum period of 15 minutes and a maximum period of 6 hours, temporarily cancelling the set daily programming schedule (see paragraph entitled SCHEDULE PROGRAMMING).

To activate the function, proceed as follows:

- press the MENU/OK button, the display will flash 000
- turn the CH knob to select the menu 100 - "Set Timers"
- press the MENU/OK button to access the parameters
- turn the CH knob until 101 "Party period" appear on the display,
- press the MENU/OK button,
- turn the CH knob to select the desired time period, the schedule will be shown on the display by the clock
- press the MENU/OK button to confirm and activate the function.
- press the Esc button to restore the normal display screen.
- the indication "Party Active Until #" will appear on the display.

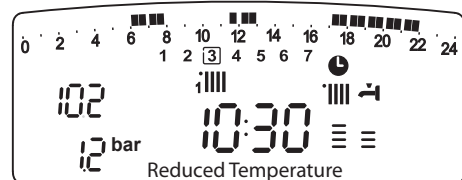


REDUCED TEMPERATURE function

This function allows you to exclude heating operation (Comfort programme) briefly, for a minimum period of 15 minutes and a maximum period of 6 hours, temporarily cancelling the set daily programming schedule (see paragraph entitled SCHEDULE PROGRAMMING).

To activate the function, proceed as follows:

- press the MENU/OK button, the display will flash 000
- turn the CH knob to select the menu 100 - "Set Timers"
- press the MENU/OK button to access the parameters
- turn the CH knob until 102 "Reduced Temperature" appears on the display,
- press the MENU/OK button,
- turn the CH knob to select the desired time period, the schedule will be shown on the display by the clock
- press the MENU/OK button to confirm and activate the function.
- press the Esc button to restore the normal display screen.
- the indication "Reduced Temp Until #" will appear on the display.



HOLIDAY Function

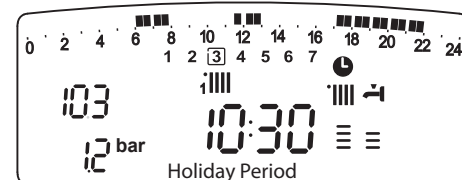
This function enables the user to suspend boiler operation for a minimum period of 1 day and a maximum period of 3 months.

The normal weekly programme is automatically reactivated at the end of this set period.

The Holiday function also excludes storage tank heaters.

To activate the function, proceed as follows:

- press the MENU/OK button, on the display flash 000
- turn the CH knob to select the menu 100 - "Set Timers"
- press the MENU/OK button to access the parameters
- turn the CH knob until 103 "Holiday Period" appears on the display,
- press the MENU/OK button,
- turn the CH knob to select the desired time period, the schedule will be shown on the display by the clock
- press the MENU/OK button to confirm and activate the function.
- press the Esc button to restore the normal display screen.
- the indication "Holiday Active Until #" will appear on the display.



MENU 4 - MENU 5
PARAMETERS HEATING ZONA 1 & 2



menu	sub-menu	parameter	description "Display text"	range	factory setting	Note	
4	ZONE1 PARAMETERS						
4	0	SETPOINTS					
4	0	0	Setting day temperature Zone 1 "Zone1 T Day"	from 10 to 30 (°C)	19	only active when the BUS device is connected	
4	0	1	Setting night temperature Zone 1 "Zone1 T Night"	from 10 to 30 (°C)	16		
4	0	2	Setting fixed temperature Central Heating "FIX Temp."	from 20 to 82 (°C)	70	only active with thermoregulation set at fixed temperature	
5	ZONE2 PARAMETERS						
5	0	SETPOINTS					
5	0	0	Setting day temperature Zone 2 "Zone2 T Day"	from 10 to 30 (°C)	19	only active when the BUS device is connected	
5	0	1	Setting night temperature Zona 2 "Zone2 T Night"	from 10 to 30 (°C)	16		
5	0	2	Setting fixed temperature Central Heating "FIX Temp."	from 20 to 82 (°C)	70	only active with thermoregulation set at fixed temperature	

Setting day and night temperatures for heating zone

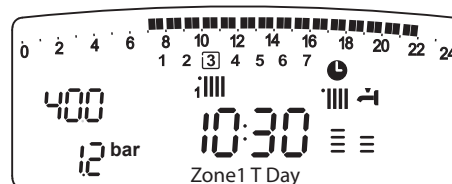
If the boiler Genus is connected to a bus device (e.g. remote control CLIMA MANAGER), the desired ambient temperature can be set for day and night according to the schedule programme entered. In central heating mode, the ignition and operation of the boiler are used to reach and maintain set temperatures.

Setting day temperature
"Zone1 T Day"




To set day temperature, proceed as follows:

- press the MENU/OK button, the display will flash 000
- turn the CH knob  to select the menu 400 - "Zone1 Parameters"
- press the MENU/OK button to access the sub-menu, the display will flash 400 - "Setpoints"
- press the MENU/OK button to access the parameters, the display will flash 400 - "Zone1 T Day"
- press the MENU/OK button to modify the parameter;
- turn the CH knob  to select the new temperature;
- press the MENU/OK button to confirm
- press the Esc button to restore the normal display screen.

To set the day temperature - heating zone 2 (if present) proceed as Heating Zone 1 selecting menu 5.


Setting night temperature
"Zone1 T Night"

To set the night temperature, proceed as follows:

- press the MENU/OK button, the display will flash 000
- turn the CH knob  to select the menu 400 - "Zone1 Parameters"
- press the MENU/OK button to access the sub-menu, the display will flash 400 - "Setpoints"
- press the MENU/OK button to access the parameters, the display will flash 400
- turn the encoder  to select the parameter 401 - "Zone1 T Night"
- press the MENU/OK button to modify the parameter;
- turn the CH knob  to select the new temperature;
- press the MENU/OK button to confirm
- press the Esc button to restore the normal display screen.

To set the night temperature - heating zone 2 (if present) proceed as Heating Zone 1, selecting menu 5.






Set fixed flow temperature on the heating zone

The parameter is used to modify the heating flow temperature if the temperature regulation at a fixed value is activated.

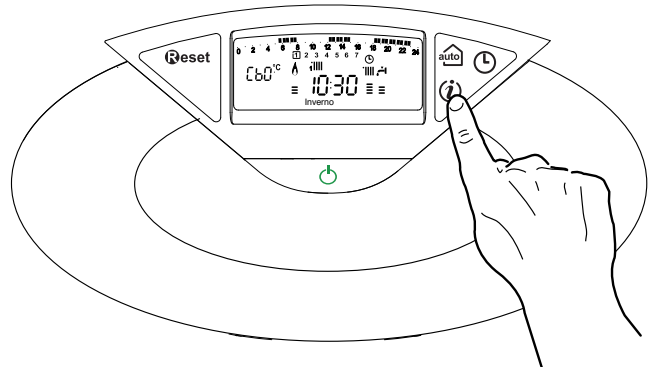
The temperature of Zone 1 and Zone 2 (if present) may be adjusted.

To modify the temperature set, proceed as follow:


- press the MENU/OK button, the display will flash 000
- turn the CH knob  to select the menu 400 - "Zone1 Parameters"
- press the MENU/OK button to access the sub-menu, the display will flash 400 - "Set points"
- press the MENU/OK button to access the parameters, the display will flash 400
- turn the CH knob  to select the parameter 402 - "FIX Temp"
- turn the CH knob  to select the new temperature;
- press the MENU/OK button to confirm
- press the Esc button to restore the normal display screen.

To set the Fixed temperature - heating zone 2 (if present) proceed as Heating Zone 1, selecting menu 5.

INFO (i) - display only
- accessed by pressing the button 



If the INFO button is pressed, a menu is accessed which enables the data listed in the table below to be displayed.

The display scrolls through various information when the CH knob  is turned.

Press the Esc button to restore the normal display screen.

Informations displayed
Time of day - Hour
Heating circuit pressure (bar)
External temperature (°C) <i>-only with external sensor connected</i>
Room temperature (°C) <i>- only active when the BUS device is connected</i>
D.H.W. Flow rate (l/m)
Set C.H. temperature (°C)
Set D.H.W. temperature (°C)
Month until next maintenance
Technical Assistance Centre telephone number and name (only display if setted parameters 890 - 891)
D.H.W. comfort temperature (°C) - if activated
AUTO Function <i>"enabled" or "disabled"</i>
Storage temperature °C only for boiler with storage tank

Auto button - Temperature adjustment activation

The AUTO function enables boiler operation to be adapted to environmental conditions and to the type of system it is installed on.

Comfortable temperature is reached inside the room in the quickest way possible, without wasting money, energy or efficiency, while substantially reducing the amount of wear experienced by the components.

Your installer will advise you on the devices connectable to the boiler and will program it according to the system.

In normal boilers the water temperature inside the heating elements is usually set to a high value (70-80°C), thereby ensuring effective heating during the few really cold winter days. It then becomes excessive on less cold days (of which there are many) more typical of the autumn and winter seasons. This leads to excessive room heating after the thermostat has been switched off, resulting in energy waste and uncomfortable conditions inside the room.

The AUTO function "takes control" of the boiler and selects the best operating regime based on environmental conditions, external devices connected to the boiler and the performance required. It constantly decides at which power level to operate based on the environmental conditions and the room temperature required.

Change of gas type

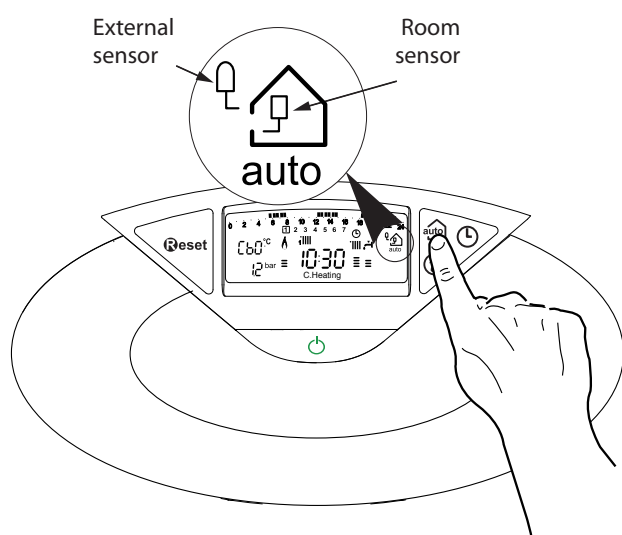
Our boilers are designed to function either with Natural Gas (methane) or L.P.G. gas. If you need to change from one gas to the other, one of our Authorised Service Centres must be contacted to convert the appliance.

Maintenance

Schedule an annual maintenance check-up for the boiler with a competent person.

Correct maintenance always results in savings in the cost of running the system.

Failure to arrange an annual service for the appliance will invalidate the second year of the manufacturers guarantee.





Commercial subsidiaries:

MTS (GB) Limited
MTS Building
Hughenden Avenue
High Wycombe
Bucks HP13 5FT
Telephone: (01494) 755600
Fax: (01494) 459775
Internet: www.mtsgroup.com/uk
E-mail: info@uk.mtsgroup.com
Technical Advice: 0870 241 8180
Customer Service: 0870 600 9888

Professional Team Limited
Suites 9 & 10, Plaza 256
Blanchardstown Corporate Park 2
Ballycoolin
Dublin 15
Telephone: (01) 810 3723
Fax: (01) 810 3727
Internet: www.mtsgroup.com/ie
E-mail: info@ie.mtsgroup.com
Technical Advice: (01) 437 0121
Customer Service: (01) 437 0121