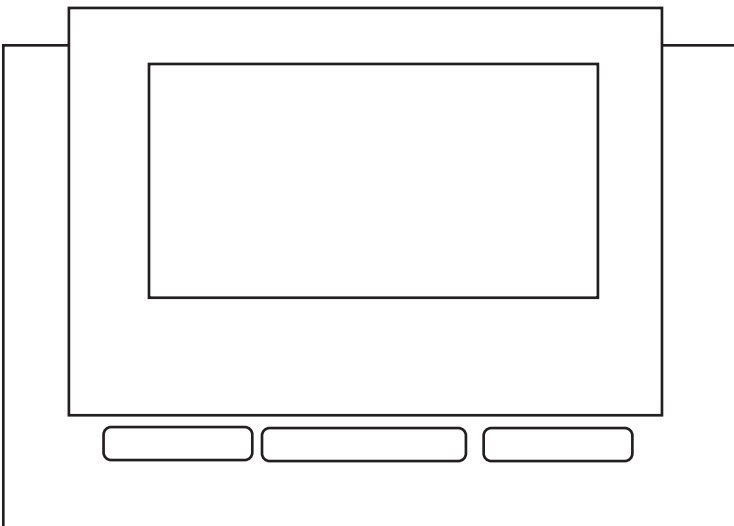


# RC05 Programmable room thermostat



## **Users Instructions**

**THESE INSTRUCTIONS  
TO BE RETAINED  
BY USER**



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# GENERAL INFORMATION

**TO ENSURE THAT THE REMOTE CONTROL PANEL IS USED CORRECTLY, PLEASE READ CAREFULLY THE ENTIRE CONTENTS OF THIS MANUAL.**

## **WARNINGS**

- 1) The remote control panel should be installed in the room that is most easily accessible for checking the temperature of the environment (normally the lounge).
- 2) To ensure correct operation of the sensor, the control panel should be positioned at a height of 1.5 metres from the floor.
- 3) The control panel is supplied with low voltage directly by the boiler. It also contains a buffer battery, which has a minimum life of 4 years and guarantees that the user settings are maintained even when there is a black-out or a break in the boiler connection.
- 4) It is essential that the control panel be kept well away from heat sources and draughts: as these may affect the accuracy of the room thermostat incorporated in the panel.
- 5) Do not attempt to open or remove the panel, it requires no maintenance.
- 6) Do not press against the surface of the liquid crystal display: this could damage the surface itself and cause viewing problems.
- 7) To clean the display, simply wipe with a dry cloth: any infiltrating liquid could damage the liquid crystals.

## **WHAT IS THE REMOTE CONTROL PANEL USED FOR?**

The control panel offers the possibility of controlling the operation of your boiler without having to access it directly.

The control panel is normally installed in the largest room of the house where it will always be easy to make checks and regulations.

## **HOW IT IS USED**

The control panel has three operating modes:

### **1) ROOM THERMOSTAT**

The control panel keeps the temperature of the room constant on the basis of the settings made by the user.

### **2) PROGRAMMABLE ROOM THERMOSTAT**

In this mode, you can programme 2 different temperatures settings for certain periods of the day.

---

### 3) BOILER CONTROL

In this mode the control panel operates the boiler controls only. It does not control room temperature or ON/OFF periods.

#### EXPLANATION OF TECHNICAL TERMS

- **Heating water:** the water that flows through the radiators having been heated in the boiler.
- **Domestic hot water:** the water that flows through the DHW fittings.
- **Error code:** a code that appears on the display and signals any faults in the boiler.
- **Initial configuration:** the configuration set on the control panel when it is switched on for the first time or when it is reset.
- **Display:** the liquid crystal screen on which all the symbols corresponding to the various functions are displayed.
- **Antifreeze function:** the function that prevents a drop in temperature freezing the water that flows in the pipes, causing damage to the heating system. This function is activated when the environmental temperature drops below 6.6 °C.
- **Reset:** the operation that restores the initial configuration of the control panel, clearing all settings made by the user, except for the system time.
- **Summer operating mode:** the mode in which the control panel is to be set when the heating system does not have to be in operation (e.g. spring, summer).  
The boiler supplies domestic hot water only.
- **Winter operating mode:** the status in which the control panel is to be set when

the heating system has to be in operation (e.g. autumn, winter).

The boiler can supply heating and domestic hot water.

- **Comfort level temperature:** the temperature that represents ideal heating for the rooms.
- **Room temperature:** the temperature measured in the room in which the panel is installed.
- **Outdoor temperature:** the temperature measured by the external sensor.
- **Climatic curve (Linea & Compact only):** this is the relation between the outdoor temperature and the calculated flow outlet temperature, required when an external sensor is fitted. The RC05 checks the temperature sensed at the external sensor and calculates the required flow outlet temperature based on the curve that has been set on the RC05 (see installation instructions). The calculated flow outlet temperature ensures optimum comfort and efficiency is maintained. The curve is set by your installer during the installation of the RC05.
- **Economy level temperature:** the temperature setting used during night-setback or to maintain a minimum temperature level in the property.

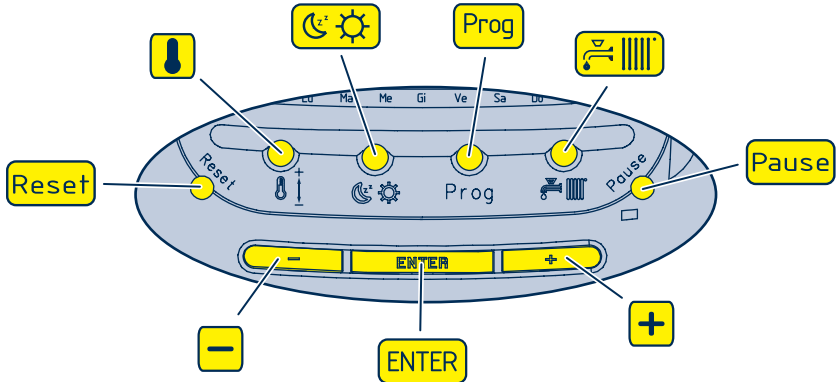
#### NOTE










- The room temperature is displayed in the range from -9.9 °C to 38 °C.
- The outdoor temperature is displayed in the range from -20 °C to 18 °C.
- Temperatures outside these ranges are indicated by means of three dashes "- - -".

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# DESCRIPTION OF CONTROL PANEL

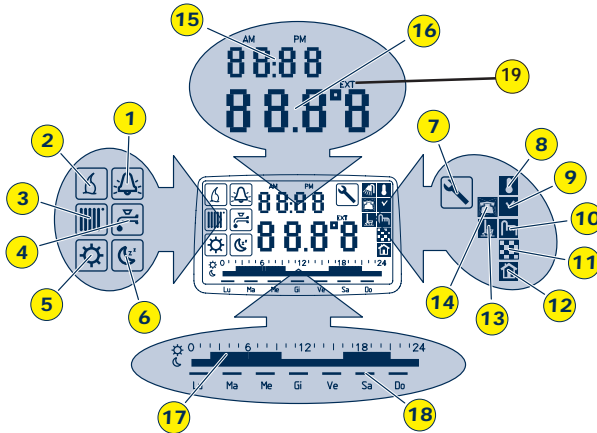
## DESCRIPTION OF BUTTONS

















-  Regulates the heating and domestic hot water temperature
-  Makes a temporary change in level
-  Programs the boiler
-  Changes mode (OFF-SUMMER-WINTER)
-  Sets cleaning and holiday function
-  Increases setting
-  Selects and confirms data and changes room temperature
-  Decreases setting
-  Releases boiler, reset data and tests display

**NOTE:** the symbols of the buttons shown in the illustration and key are used throughout the text of this manual.

## DESCRIPTION OF DISPLAY



- |  |                                     |  |  |
|--|-------------------------------------|--|--|
| 1 -     | Boiler lockout indicator            | 11 -  | Underfloor heating function indicator  |
| 2 -     | Heat request indicator              | 12 -  | Thermoregulation status indicator      |
| 3 -     | Heating indicator                   | 13 -  | Cleaning/holiday function indicator    |
| 4 -     | Domestic hot water indicator        | 14 -  | Telephone interface function indicator |
| 5 -     | Economy level temperature indicator | 15 -   | Time and error numeric display field   |
| 6 -     | Comfort level temperature indicator | 16 -   | Temperature numeric display field      |
| 7 -     | Scheduled servicing indicator       | 17 -   | Daily schedule progress bar            |
| 8 -    | Room thermostat indicator           | 18 -   | Week day display segments              |
| 9 -   | Timer thermostat indicator          | 19 -   | EXT, outdoor temperature               |
| 10 -  | Boiler control indicator            |  |  |

**NOTE:** the symbols of the indicators shown in the key are used throughout the text of this manual.

# USING THE CONTROL PANEL

## SETTING AND TESTING THE RC05

It will be necessary to set or program the RC05 when it is first connected to the boiler. It may be also necessary to set the time and/or program if the unit is reset or the battery has been changed. **If no selections are made within 10 seconds, during regulation and testing, the system exits automatically from the procedure.**

### OFF POSITION

When the boiler has an electrical supply and is connected to the RC05, the unit will be in the OFF position.

### SETTING THE TIME

When the display shows the word OFF:

- 1) Press the **Prog** button
- 2) On the display :
  - the two time digits start to blink

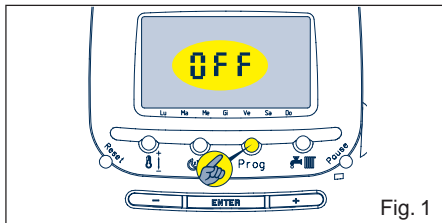


Fig. 1

- 3) To set the hour, press the **+** and **-** buttons
- 4) Press **ENTER** to confirm

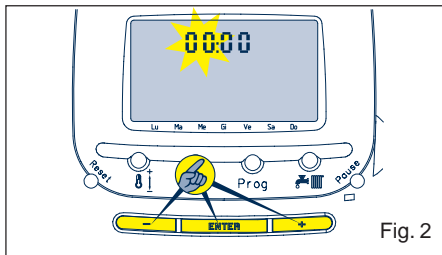


Fig. 2

- 5) On the display:
  - the two minute digits start to blink
- 6) To set the minutes, press the **+** and **-** buttons
- 7) Press **ENTER** to confirm.
- 8) On the display (fig. 4):
  - the week day indicator dash starts to blink

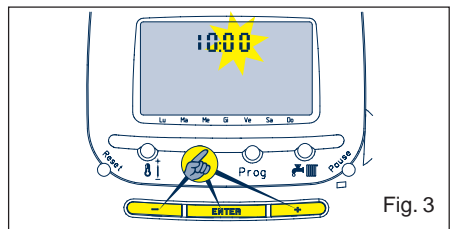


Fig. 3

- 9) To set the day, press the **+** and **-** buttons
- 10) Press **ENTER** to confirm. If confirmation is not given within 10 seconds, the system exits automatically from the procedure.

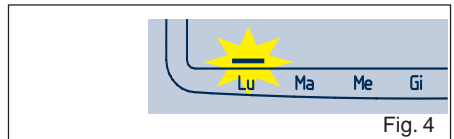


Fig. 4



## TESTING THE DISPLAY

When the display shows the word OFF:

- 1) Press and release the **Reset** button
- 2) The display shows:
  - all indicators for about 3 seconds

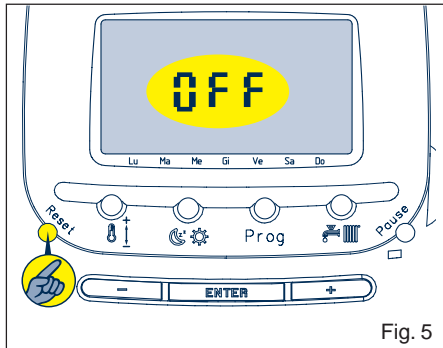


Fig. 5

## RESETTING THE SYSTEM

When the display shows the word OFF:

- 1) Keep the **Reset** button pressed for 5 seconds
- 2) The display shows:
  - all the indicators
- 3) 5 seconds after the system has been reset, the display is cleared.

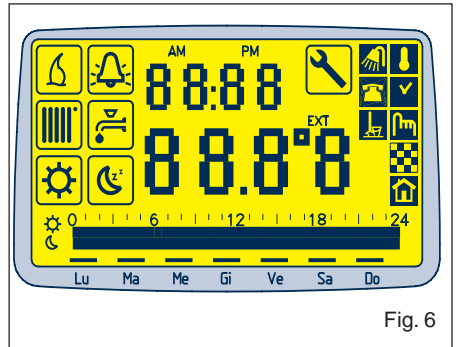


Fig. 6

## CHOOSE THE OPERATING MODE

The RC05 is supplied ready for use as a **ROOM THERMOSTAT**. To enable use as a programmable room thermostat, see page 12. To enable use as a boiler only control, see page 15.

### DEFAULT SETTING

Operating mode	ROOM THERMOSTAT
DHW level temperature	42.5°C
Central heating level temperature	71.5°C
Curve	C5
Room thermostat level	20.0°C
Comfort level temperature	20°C
Economy level temperature	16°C

Reset does not change time setting. Standard program is set for the timer thermostat (see page 12).


# ROOM THERMOSTAT

If used as a room thermostat, the control panel enables you to:

- set the desired room temperature
- control the room temperature
- regulate the temperature of the heating and the domestic hot water.

There are three operating modes:

- ROOM THERMOSTAT OFF
- ROOM THERMOSTAT SUMMER
- ROOM THERMOSTAT WINTER

**WARNING:** in all operating modes, the  symbol is displayed.

When the  button is pressed, the boiler switches from one operating mode to another (OFF-SUMMER-WINTER) (fig. 7).

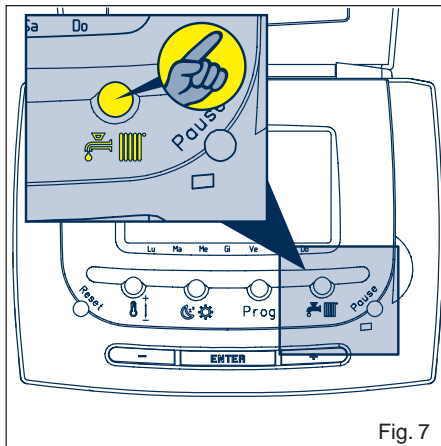


Fig. 7


## ROOM THERMOSTAT OFF


**WARNING:** when the system is turned on for the first time or reset, it enters ROOM THERMOSTAT OFF mode. In this operating mode, the control panel is off.

The display:

- the word OFF in the temperature field (fig. 8)

To switch off the panel (for short periods)

press  button till the display shows the word OFF.

When the  button is pressed, the system enters ROOM THERMOSTAT SUMMER operating mode (fig.7).

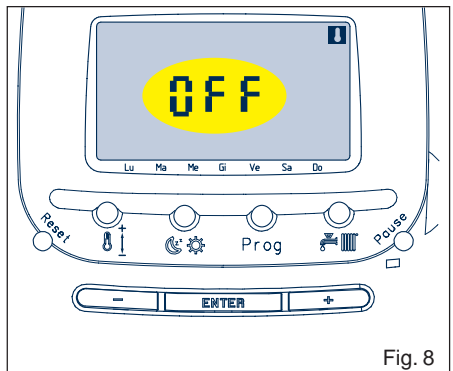


Fig. 8

## ROOM THERMOSTAT SUMMER

To select room thermostat summer mode, when the word OFF is shown on the display, press  button.

In this operating mode, the boiler supplies domestic hot water only.

The preset value of the domestic hot water temperature is 42.5°C.

The display shows (fig. 9):



- domestic hot water indicator 
- room temperature




Fig. 9

Enabled functions:

- DOMESTIC HOT WATER TEMPERATURE REGULATION (page 19)
- FAULT SIGNALLING (page 30)

When the  button is pressed, the system enters ROOM THERMOSTAT WINTER operating mode (fig. 7).

## ROOM THERMOSTAT WINTER

From the thermostat summer mode press  button to select the thermostat winter mode.



In this operating mode, the boiler can supply domestic hot water and heat the

environment at the same time.

The temperature values set are:

- domestic hot water: 42,5 °C
- heating water: 71,5 °C
- room thermostat: 20 °C

On the display (fig. 10):

- the room temperature set blinks for 5 seconds and the change indicator lights up . To change the value press +/- and/ or press  to confirm.

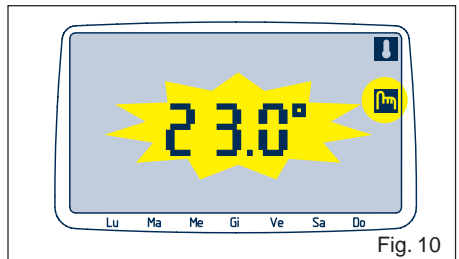


Fig. 10

Then (fig. 11):

- the heating and domestic hot water indicators light up
- the room temperature value measured by the control panel sensor appears on the display
- if external sensor is installed, room temperature level the panel shows alternately room temperature level and external temperature

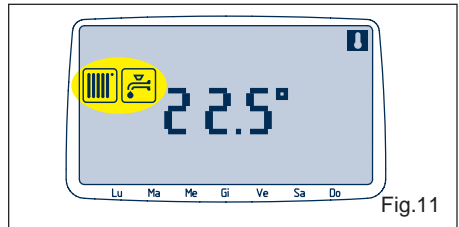


Fig.11


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Enabled functions:

- ROOM THERMOSTAT TEMPERATURE REGULATION (page 18)
- HEATING AND DOMESTIC HOT WATER TEMPERATURE REGULATION (page 20)
- CLEANING FUNCTION (page 27)
- HOLIDAY FUNCTION (page 28)
- FAULT SIGNALLING (page 30)

Operation:

Whenever the room temperature measured by the sensor is 0.4 °C less than the one

set by the user, the control panel makes a request for heat to the boiler: during this phase, the display shows the  indicator. The boiler is turned off when the temperature reaches the value set.

When the  button is pressed, the system returns to the ROOM THERMOSTAT OFF operating mode (fig. 6).

## TIMER THERMOSTAT

If used as a timer thermostat, the control panel will enable you to:

- set in advance, for every day of the week, the desired temperature according to specific time bands between which the comfort level temperature (higher) alternates with the economy level temperature (lower).


This means that instead of having to set the desired temperature level at all times, the control panel is capable of following the weekly schedule that best suits your needs, making the boiler alternate between comfort and economy settings. The comfort level temperature should be set when you want your ideal room temperature. The economy level temperature should be selected if you want a certain temperature to be maintained in the rooms as a minimum

threshold never to be exceeded (e.g. when you are out or at night).


- set the heating and domestic hot water temperature.


There are three operating modes:

- TIMER THERMOSTAT OFF
- TIMER THERMOSTAT SUMMER
- TIMER THERMOSTAT WINTER

WARNING: in all operating modes, the display shows the  symbol.

To enable timer thermostat mode:

- 1) Set the system in ROOM THERMOSTAT OFF mode
- 2) Keep the  button pressed for 5 seconds
- 3) On the display:

- the  indicator blinks for 2 seconds to confirm the new configuration **TIMER THERMOSTAT OFF** (fig. 13).

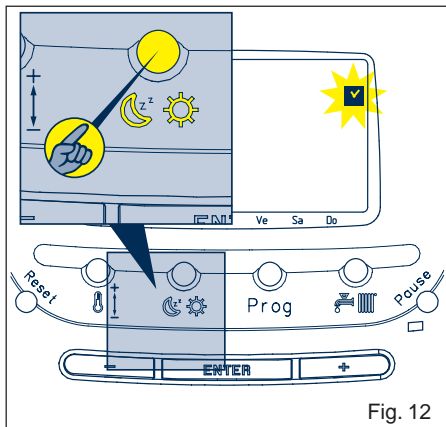





Fig. 12

**WARNING:** once set in timer thermostat mode, the control panel will maintain this configuration even if the boiler is turned off or there is a power failure.

To disable the **TIMER THERMOSTAT** mode and return to the **ROOM THERMOSTAT** function:

- 1) Set the system in **TIMER THERMOSTAT OFF** mode
- 2) Keep the  button pressed for 5 seconds
- 3) On the display:
  - the  indicator blinks for 2" to confirm the new **ROOM THERMOSTAT OFF** configuration (fig. 13).

When the  button is pressed, the system switches from one operating mode to another (**OFF-SUMMER-WINTER**) (fig. 14).

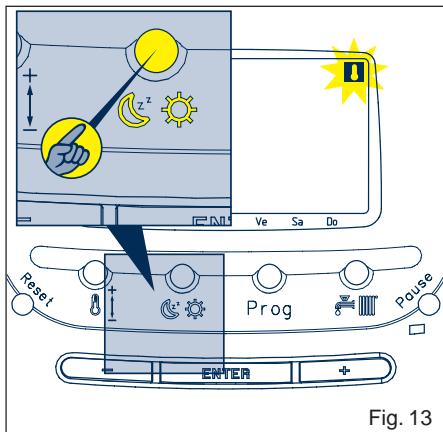


Fig. 13

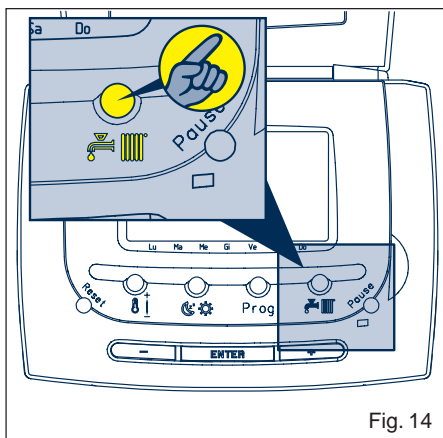


Fig. 14

## TIMER THERMOSTAT OFF

The display shows:

- the word OFF in the temperature field (fig. 15).

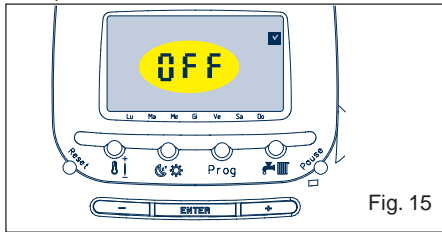





Fig. 15

When the  button is pressed, the system enters the TIMER THERMOSTAT SUMMER operating mode (fig. 14).


To switch off the panel (for short periods) press  button till the display shows the word OFF.

## TIMER THERMOSTAT SUMMER

To select timer thermostat summer mode, when the word OFF is shown on the display, press  button.

**WARNING:** in TIMER THERMOSTAT SUMMER mode, the time setting in that room heating control is not enabled in that room heating control is not one of the available functions. The boiler supplies supply domestic hot water only. The preset domestic hot water temperature value 42.5 °C.

The display shows (fig. 16):

- domestic hot water indicator 
- room temperature

Available functions:

- DOMESTIC HOT WATER TEMPERATURE REGULATION (page 20)


- FAULT SIGNALLING (page 29)







Fig.16

When the  button is pressed, the system enters the TIMER THERMOSTAT WINTER operating mode (fig. 14).

## TIMER THERMOSTAT WINTER

From the timer thermostat summer mode press  button to select the timer thermostat winter mode. In this operating mode, the boiler can supply both heating and domestic hot water.

The display shows (fig. 17):

- domestic hot water  and heating  indicators
- current time
- room temperature
- if external sensor is installed, room temperature level the panel shows alternately room temperature level and external temperature
- comfort level temperature value  or economy level  corresponding to the current half hour
- current day of the week
- daily schedule for current day

Available functions:

- WEEKLY TIMER THERMOSTAT FUNCTION (page 22)
- HEATING AND DOMESTIC HOT WATER TEMPERATURE REGULATION (page 20)

- TEMPORARY CHANGE IN LEVEL FUNCTION (page 25)
- CLEANING FUNCTION (page 27)
- HOLIDAY FUNCTION (page 28)
- FAULT SIGNALLING (page 30)

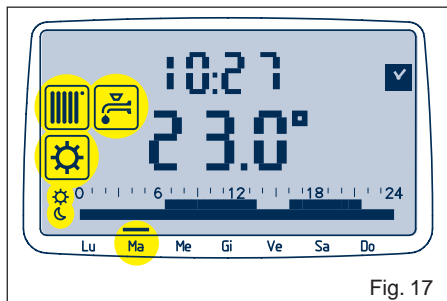


Fig. 17


When the  button is pressed, the system enters the TIMER THERMOSTAT OFF operating mode (fig. 15).

## BOILER CONTROL

Boiler control is useful if you only require the control to adjust the outlet temperature of the heating and domestic hot water. When the panel is in boiler control mode, it cannot control room temperature or ON/OFF periods.

There are three operating modes:



- BOILER CONTROL OFF
- BOILER CONTROL SUMMER
- BOILER CONTROL WINTER

WARNING: the  symbol is displayed in all operating modes.

To activate boiler control mode (fig. 18):

- 1) Set the system in ROOM THERMOSTAT OFF mode.

If you are in TIMER THERMOSTAT mode, to return to OFF, see page 13

- 2) Keep the  button pressed for 5 seconds
- 3) On the display (fig. 18):
  - the  indicator blinks for 2 seconds to confirm the new BOILER CONTROL OFF configuration

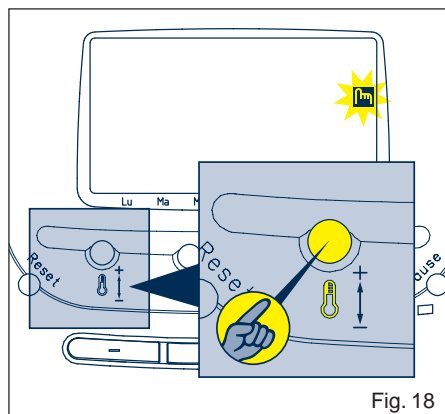


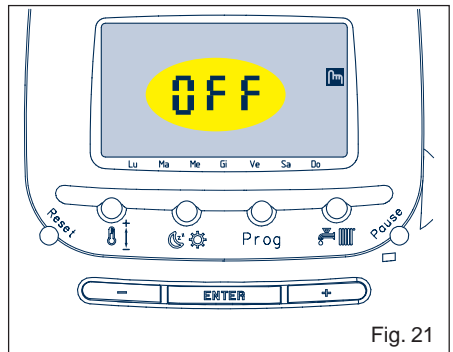
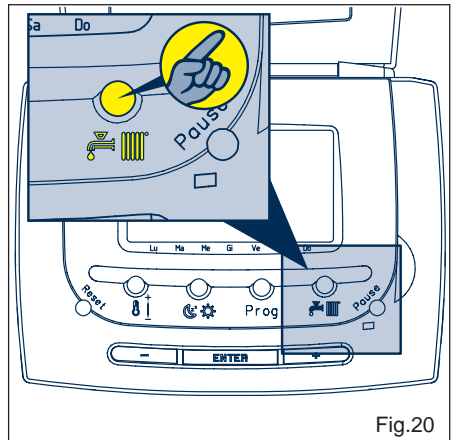
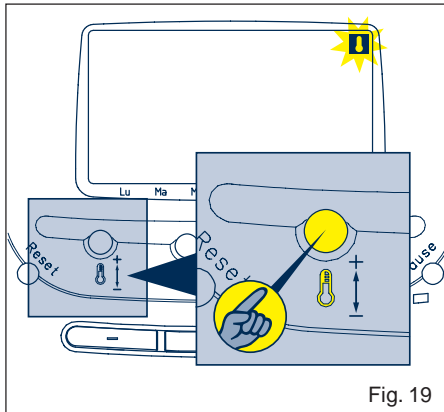



Fig. 18

**WARNING:** once set in boiler control mode, the control panel will maintain this configuration even if the boiler is turned off or there is a power failure.

To disable boiler control mode and return to room thermostat mode (fig. 19):

- 1) Keep the  button pressed for 5 seconds
- 2) On the display:
  - the  indicator blinks for 2" to confirm the new ROOM THERMOSTAT OFF configuration



When the  button is pressed, the system switches from one operating mode to another (OFF-SUMMER-WINTER) (fig. 20).


**WARNING:** the anti-freeze function is disabled in boiler control mode.

## **BOILER CONTROL OFF**

The display shows (fig. 21):


- the word OFF in the temperature field

When the  button is pressed, the system enters the BOILER CONTROL SUMMER operating mode (fig. 20).

To switch off the panel (for short periods) press  button till the display shows the word OFF.



## BOILER CONTROL SUMMER

To select boiler control summer mode, when the word OFF is shown on the display, press  button.

The display shows (fig. 22):

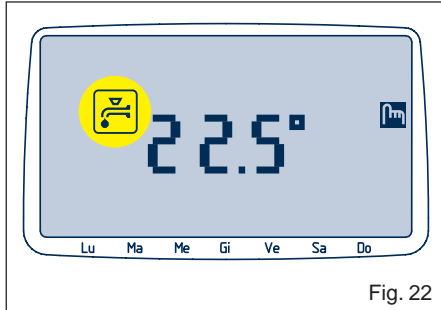



Fig. 22

- domestic hot water indicator 
- room temperature

Available functions:

- DOMESTIC HOT WATER TEMPERATURE REGULATION (page 19)
- FAULT SIGNALLING (page 30)

When the  button is pressed, the system enters the BOILER CONTROL WINTER operating mode (fig. 20).

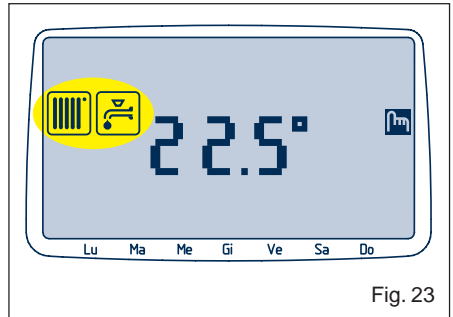





Fig. 23

## BOILER CONTROL WINTER


From the boiler control summer mode press  button to select the boiler control winter mode.

The display shows (fig. 23):

- domestic hot water  and heating  indicators
- room temperature
- if external sensor is installed, room temperature level the panel shows alternately room temperature level and external temperature

Available functions:

- HEATING AND DOMESTIC HOT WATER TEMPERATURE REGULATION (page 20)
- FAULT SIGNALLING (page 30)

When the  button is pressed, the system returns to the BOILER CONTROL OFF operating mode (fig. 20).

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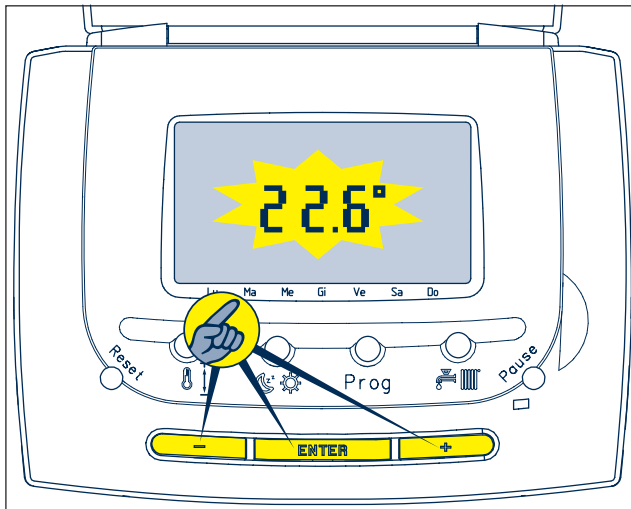
# AVAILABLE FUNCTIONS

## REGULATING THE ROOM THERMOSTAT TEMPERATURE

Function enabled in ROOM THERMOSTAT WINTER mode.

- 1) Press one of the three buttons **+**, **-** or **ENTER**
- 2) On the display:
  - the room thermostat temperature set blinks
- 3) To change the temperature, press the **+** and **-** buttons. The changes will be set in steps of 0,2 °C.
- 4) Press the **ENTER** button to confirm the desired temperature value. If no confirmation is given within 10 seconds, the system exits automatically from the procedure and stores the current temperature.






WARNING: to display the room thermostat temperature, follow the procedure without pressing the **+** and **-** buttons.





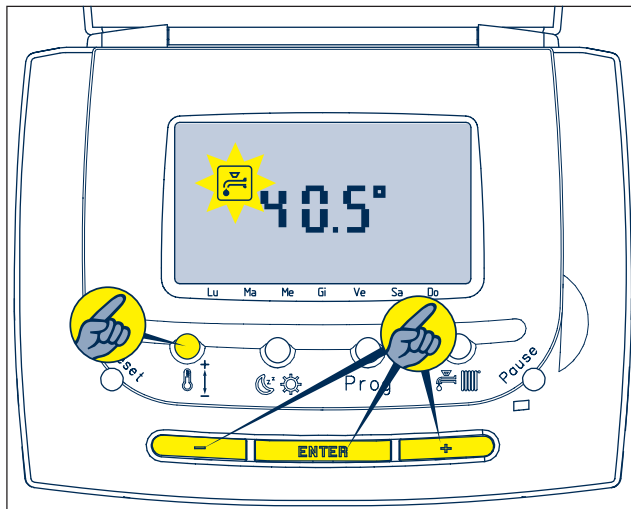
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## REGULATING THE DOMESTIC HOT WATER TEMPERATURE

Function enabled in the SUMMER operating mode.

- 1) Press the  button :
- 2) On the display:
  - the DOMESTIC HOT WATER indicator  starts to blink
  - the current domestic hot water temperature appears
- 3) To change the temperature, press the  and  buttons. The changes will be made in steps of 2.5 °C.
- 4) Press the  button to confirm the desired temperature value. If confirmation is not given within 10 seconds, the system exits automatically from the procedure and stores the current temperature.

**WARNING:** to display the domestic hot water temperature, follow the procedure without pressing the  and  buttons.








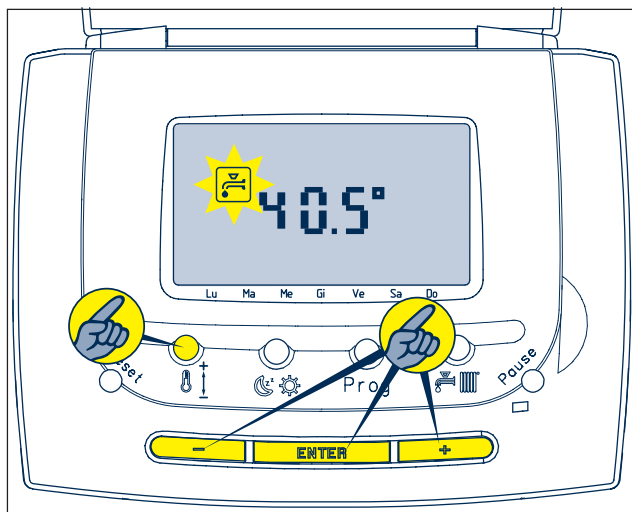
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## REGULATING THE HEATING AND DOMESTIC HOT WATER TEMPERATURE






Function enabled in WINTER operating mode.



### Domestic hot water temperature regulation

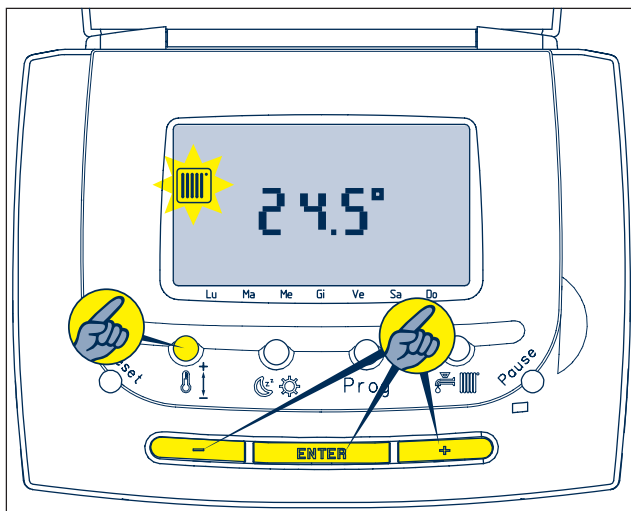
- 1) Press the  button
- 2) On the display:
  - the  indicator starts to blink
  - the current domestic hot water temperature appears
- 3) To change the temperature, press the  and  buttons. The changes will be set in steps of 2.5 °C.
- 4) Press the  button to confirm the desired temperature value. If confirmation is not given within 5 seconds, the system exits automatically from the procedure and stores the current temperature.



## Heating temperature regulation (external sensor not installed)

- 5) Press the  button
- 6) On the display:
  - the  indicator starts to blink
  - the current heating temperature appears
- 7) To change the temperature, press the  and  buttons. The changes will be set in steps of 4.5 °C.
- 8) Press the  button to confirm the desired temperature value. If confirmation is not given within 5 seconds, the system exits automatically from the procedure and stores the current temperature.

WARNING: to display one or both temperature values, follow the procedure without pressing the  and  buttons.



## Thermo-regulation (RC05 with external sensor) with Linea & Compact boilers






When external sensor is connected to the RC05, it is not possible to adjust the outlet flow temperature, this is because the flow outlet temperature is adjusted automatically by the RC05 to ensure optimum comfort and efficiency. It is possible to set one of nine different temperature curves (C1 to C9) that will best suit your geographical location and system type. This setting is adjusted by your installer during the installation of the RC05. Further information can be found in the installation instructions.

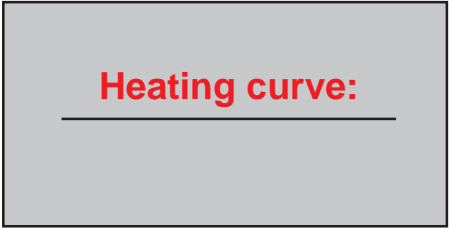
## Thermo-regulation with Hydra boilers (with external sensor)



When external sensor is connected to the Hydra boiler, it is not possible to adjust the outlet flow temperature, this is because the flow outlet temperature is adjusted automatically by the appliance to ensure optimum comfort and efficiency. It is possible to set a unique climatic curve that will best suit your geographical location and system type. This setting is adjusted by your installer during the installation of the external sensor. Further information can be found in the installation instructions.

The heating curve should be set by a competent person at the first ignition of the boiler and written on the box hereafter. For details please refer to the external sensor instruction.

If it is necessary set this value operate as follow:

- 1) Press the  button
- 2) On the display:
  - the  indicator starts to blink
  - the current heating curve appears (CX)
- 3) To change the heating curve, press the  and  buttons.
- 4) Press the  button to confirm the desired heating curve. If confirmation is not given within 5 seconds, the system exits automatically from the procedure and stores the current heating curve.



**WARNING:** to display one or both temperature values, follow the procedure without pressing the  and  buttons.

**REMARK** for Hydra and Pinnacle boilers: the heating temperature value set on the boiler display is valid also when control panel is installed. Even if is possible to select upper value the regulation field is limited to the value set in boiler.

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# WEEKLY TIMER THERMOSTAT FUNCTION

Function enabled in weekly timer thermostat operating mode.


## Operation

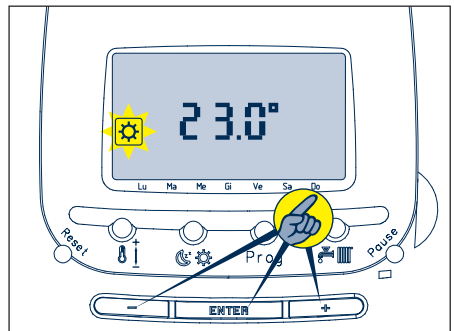
- the system is assigned two temperature levels: comfort level and economy level
  - each day of the week may be divided into time bands
  - each time band is assigned one of the two temperature levels
- The remote control panel is equipped with a preset standard program which may be modified at will.





## Standard program settings

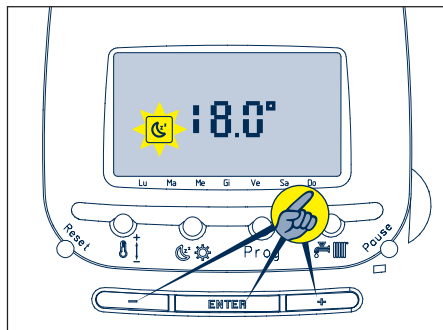
- Comfort level temperature: 20 °C
- Economy level temperature: 16 °C
- Time schedule from Monday to Friday:
  - from midnight to 6 a.m.: economy level temperature
  - from 6 a.m. to 9 a.m.: comfort level temperature
  - from 9 a.m. to 5 p.m.: economy level temperature
  - from 5 p.m. to 10 p.m.: comfort level temperature
  - from 10 p.m. to midnight: economy level temperature
- Time schedule for Saturday and Sunday:
  - from midnight to 7 a.m.: economy level temperature
  - from 7 a.m. to 11 p.m.: comfort level temperature
  - from 11 p.m. to midnight: economy level temperature

## Comfort and economy temperature level regulation



- 1) Press one of the three buttons **+**, **-** or **ENTER**
- 2) On the display:
  - the comfort level temperature blinks and the  indicator lights up
- 3) To change the temperature, press the **+** and **-** buttons. The changes will be set in steps of 0,2 °C.
- 4) Press the **ENTER** button to confirm the desired temperature value.




- 5) On the display:
  - the economy level temperature blinks and the  indicator lights up
- 6) To change the temperature, press the  and  buttons. The changes will be made in steps of 0.2 °C.
- 7) Press the  button to confirm the desired temperature value. If confirmation is not given within 10 seconds, the system exits automatically from the procedure and stores the current temperature.

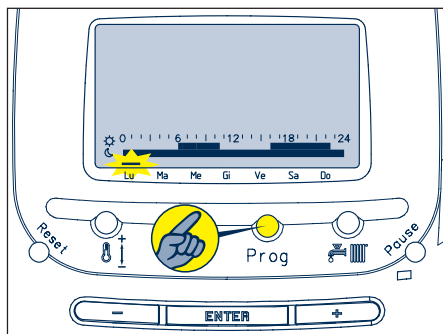


**WARNING:** the economy level temperature set must be lower than the comfort level temperature. The system will automatically impose these limits during the programming phase.


**WARNING:** to display one or both temperature values, follow the procedure without pressing the  and  buttons.

## Displaying the time band settings

- 1) Press and release the  button
- 2) On the display:
  - the week day indicators start to blink in sequence
  - the corresponding time schedule appears beside each day
- 3) After seven days have passed, the system exits automatically from the display procedure.



## Programming the timer thermostat

- 1) Press the  button twice.
- 2) On the display:
  - the Monday indicator starts to blink

**WARNING:** a single day may be selected or groups of days may be created with the same schedule.

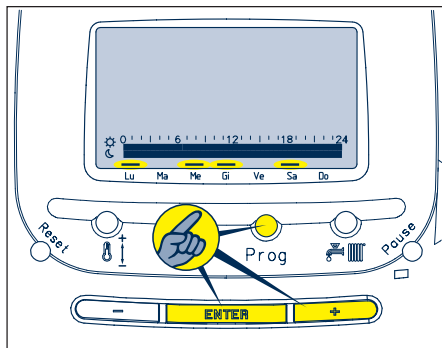


- 3) Press the **+** button to scroll through the days of the week
- 4) Press the **ENTER** button to select one or more days
- 5) On the display:

- the indicators of the day or days selected appear steady.

If an error is made in selecting the days, press the **-** button to return to the day to be corrected and **ENTER** to delete it. Then resume the procedure from step 3.

- 6) To confirm the selection, press the **Prog** button. If confirmation is not given within 15 seconds, the system exits automatically from the procedure.

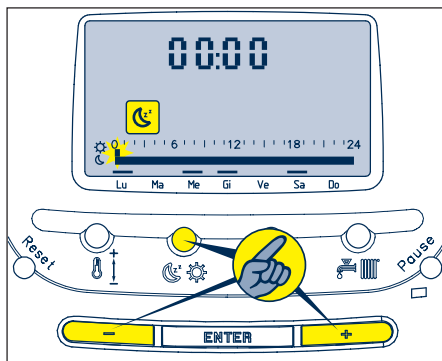






**WARNING:** when the **Prog** button has been pressed, the system moves on to the time band programming phase.

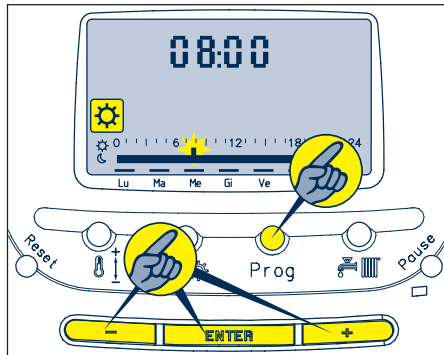
- 7) On the display:
  - the indicators of the day or group of days selected remain on
  - the time 00.00 (midnight) appears
  - the segment corresponding to this time starts blinking
  - the economy level temperature indicator appears

- 8) Press the **+** button to increase the programming time or the **-** button to decrease it.

The changes will be made in steps of half an hour. The economy temperature level is assigned to this time band.





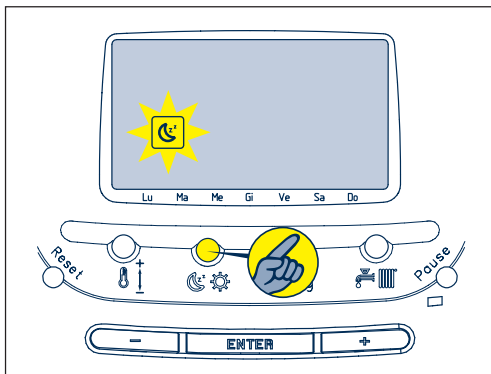
- 9) At the desired time for the change in temperature, press the  button
- 10) The display shows:
  - the comfort temperature level indicator 
- 11) Proceed as indicated in step 9 to set the new time band. This band is assigned the comfort temperature level.
- 12) Continue as described until the desired daily schedule is obtained.
- 13) Press the  button to confirm and exit from the time programming phase or, if there are no other days to be set, press the  button to exit from the timer thermostat programming phase.



**WARNING:** when you start to set the schedule for a single day, the system shows the last setting made. When you start to set the schedule for a group of days, the system always shows a blank schedule.

## TEMPORARY CHANGE IN LEVEL

During operation on a given level (e.g. comfort level temperature), the boiler's operation may be changed (e.g. economy level temperature) by pressing the  button. To indicate that the level has been changed with respect to the schedule, the manually selected level indicator blinks on the display (e.g. ). When the program specifies the next change in level, the manual setting will be cancelled and the display's normal contents will be restored. If the system is set to OFF, the change in level will be cancelled.




## CLEANING FUNCTION

Function enabled in WINTER operating mode.

This function is useful when the windows of the room in which the control panel is installed are opened for a given period of time, to prevent the drop in temperature from turning on the boiler and a resulting dispersion of heat. By activating the function, you can stop the control panel from having any control over the room temperature for a period of 30 minutes.

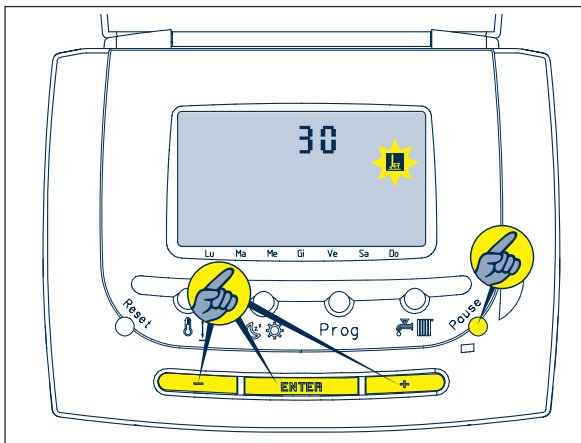
To enable the function:

- 1) Press and release the **Pause** button
- 2) On the display:
  - the  indicator starts to blink
  - the number of minutes remaining until the end of the procedure appears (at the start, 30)
  - the number of minutes decreases to zero
- 3) You may increase or decrease this value at any time by pressing the **+** and **-** buttons
- 4) When the time is reset, the function is disabled and the system returns to the previous operating mode.

**WARNING:** if the **Pause** button is pressed during the countdown, the system will exit from the cleaning function and return to the operating mode it was in when the function was activated.

**WARNING:** if there is a power failure during the procedure, when power is restored the system will not automatically return to the cleaning function. The function has to be selected again.

**WARNING:** during the cleaning function, the boiler can produce domestic hot water.



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## HOLIDAY FUNCTION

Function enabled in WINTER operating mode.

Using this function you can have the schedule suspended for a given period if, for example, the house is to remain empty while you are away on holiday. During this period, the control panel is prevented from requesting heat from the boiler for a maximum period of 180 days.

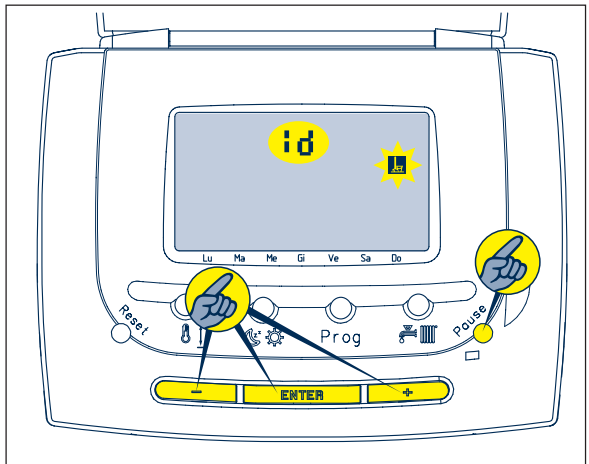
To enable the function:

- 1) Keep the **Pause** button pressed for at least 5 seconds
- 2) The display shows:
  - the number of days remaining until the end of the procedure: at the start the value is 1d (1 day) and the **1d** symbol blinks
  - the number of days decreases to zero
- 3) You can increase or decrease this value at any time by pressing the **+** and **-** buttons
- 4) When the time is reset (0d), the function is disabled and the system returns to the previous operating mode

**WARNING:** the day count starts from the date on which the function was activated irrespective of the time of activation.

Example: on 3<sup>rd</sup> February, you activate the holiday function for 4 days. The procedure remains active for 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> February and from midnight of day 7 the system returns to the previous operating mode.

**WARNING:** if the **Pause** button is pressed during the countdown, the system will exit from the holiday function and return to the operating mode it was in when the function was activated.



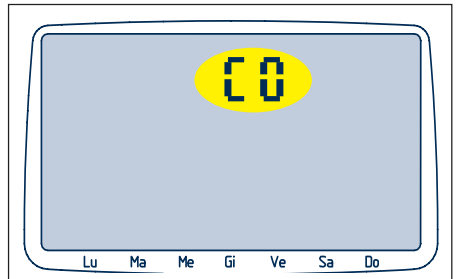
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WARNING: if there is a power failure during the procedure, when it is restored, the system returns automatically to the holiday function. The count resumes from the last day counted.

WARNING: during the holiday function, the boiler can produce domestic hot water.

## COMBUSTION ANALYSIS

This function is not supported by the control panel: when it is activated on the boiler, the display shows the indication CO.



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## FAULT SIGNALLING

The control panel signals any faults in the boiler's operation on the display. This function provides information in real time about any faults that have occurred and their exact nature.

**WARNING:** during fault signalling, the boiler functions are disabled.

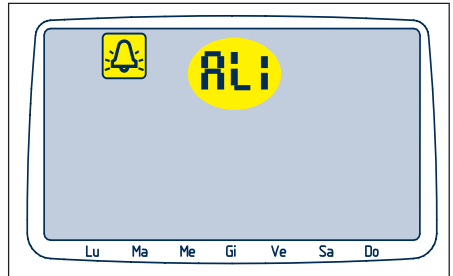
If a fault occurs:

1) The display shows:

- the  indicator
- the error code

### Clearing an alarm

To clear the fault signal and restore the boiler's operation, press and release the (RESET) button and wait for the alarm code to be cleared.



### Details of fault code 05

Should a problem develop with the connection between the boiler and the RC05, the boiler will resume operation as determined by the settings made on the boiler control panel. Should the connection be broken completely, the display will be blank and no fault code will be shown on the RC05.

### NOTE

Should any fault code be displayed repeatedly, you should contact your installer or Vokera Customer Services.

### FAULT CODE TABLE

AL1	Flame lockout, ensure the gas is turned on at the meter
AL2	Boiler overheating, ensure that the radiator valves are turned on
AL3	Flue problem - call engineer
AL4	Low water pressure, ensure the boiler's pressure gauge is above 0.5bar
AL5	Communication fault between RC05 and boiler - call engineer
AL6	Sensor fault - call engineer
AL7	Sensor fault - call engineer
AL8	Burner overheat
AL9	Appliance fault





Cod. 10024477 - Ed. 1 - 10/03

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