



PLEASE LEAVE THIS INSTRUCTION
WITH THE USER

PLANET DEWY 60-100 BFR

User instructions



All descriptions and illustrations provided in this manual have been carefully prepared but we reserve the right to make changes and improvements in our products that may affect the accuracy of the information contained in this manual.

Code Of Practice

For the installation, commissioning and servicing
of domestic heating and hot water products

Benchmark places responsibilities on both manufacturers and installers.* The purpose is to ensure that customers** are provided with the correct equipment for their needs, that it is installed, commissioned and serviced in accordance with the manufacturer's instructions by competent persons and that it meets the requirements of the appropriate Building Regulations. Installers are required to carry out work in accordance with the following:

Standards of Work

- Be competent and qualified to undertake the work required.
- Install, commission, service and use products in accordance with the manufacturer's instructions provided.
- Ensure that where there is responsibility for design work, the installation is correctly sized and fit for purpose.
- Meet the requirements of the appropriate Building Regulations. Where this involves notifiable work be a member of a Competent Persons Scheme or confirm that the customer has notified Local Authority Building Control (LABC), prior to work commencing.
- Complete all relevant sections of the Benchmark Checklist/Service Record when carrying out commissioning or servicing of a product or system.
- Ensure that the product or system is left in a safe condition and, whenever possible, in good working order.
- Highlight to the customer any remedial or improvement work identified during the course of commissioning or servicing work.
- Refer to the manufacturer's helpline where assistance is needed.
- Report product faults and concerns to the manufacturer in a timely manner.

Customer Service

- Show the customer any identity card that is relevant to the work being carried out prior to commencement or on request.
- Give a full and clear explanation/demonstration of the product or system and its operation to the customer.
- Hand over the manufacturer's instructions, including the Benchmark Checklist, to the customer on completion of an installation.
- Obtain the customer's signature, on the Benchmark Checklist, to confirm satisfactory demonstration and receipt of manufacturer's instructions.
- Advise the customer that regular product servicing is needed, in line with manufacturers' recommendations, to ensure that safety and efficiency is maintained.
- Respond promptly to calls from a customer following completion of work, providing advice and assistance by phone and, if necessary, visiting the customer.
- Rectify any installation problems at no cost to the customer during the installer's guarantee period.



*The use of the word "installer" is not limited to installation itself and covers those carrying out installation, commissioning and/or servicing of heating and hot water products, or the use of supporting products (such as water treatment or test equipment).

**Customer includes householders, landlords and tenants.

The Benchmark Scheme

Sime Ltd is 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.

Benchmark is managed and promoted by the Heating and Hotwater Industry Council.
For more information visit www.centralheating.co.uk

CONTENTS

OPERATING INSTRUCTIONS FOR THE USER

1	LIGHTING AND OPERATION	pag. 4
1.1	BOILER IGNITION	
1.2	BOILER SHUTDOWN	
1.3	TEMPERATURE ADJUSTMENT (WITHOUT LOGICA)	
1.4	GAS CONVERSION	
1.5	CLEANING AND MAINTENANCE	
1.6	MALFUNCTIONS	pag. 5
2	LOGICA REMOTE CONTROL	pag. 6



Planet Dewy 60 BFR: Gas Council number 41-283-03

Planet Dewy 100 BFR: Gas Council number 47-283-11

These appliances comply with the S.E.D.B.U.K. scheme, band "A"

**VERY IMPORTANT!
60 BFR boiler only**

**PLEASE MAKE SURE YOUR BENCHMARK CHECKLIST IN THE
INSTALLATION GUIDE, IS FILLED IN CORRECTLY.
ALL GAS SAFE REGISTER INSTALLERS CARRY A ID CARD.
THE REGISTRATION NUMBER SHOULD BE
RECORDED ON THE CHECK LIST.
YOU CAN CHECK YOUR INSTALLER IS GAS SAFE
REGISTERED BY CALLING ON 0800 408 5577**

OPERATING INSTRUCTIONS FOR THE USER

WARNINGS

- In case of fault and/or incorrect equipment operation, turn the boiler off. Contact an authorised technician.
- The installation of the boiler and any servicing or maintenance must be carried out by qualified personnel. Under no circumstances must the devices sealed by the manufacturer be tampered with.
- Any ventilation or air intake grills to the room where the boiler is installed must be kept open and unobstructed.

1 LIGHTING AND OPERATION

1.1 BOILER IGNITION (fig. 1)

Open the gas isolation valve, lower the control cover and turn on the boiler by rotating the selector knob to winter (❄️). The green led (⓪) turn on to indicate that power is on. The boiler, once the temperature set on the potentiometer is reached, will start automatically modulate to provide the system with the required output.

1.2 BOILER SHUTDOWN (fig. 1)

To turn OFF the boiler, turn the selector knob to (OFF). For prolonged periods of disuse, disconnect the power supply, close the gas tap and, in the event of low temperatures, empty the boiler and hydraulic system to prevent frost damaged.

1.3 TEMPERATURE ADJUSTMENT (WITHOUT LOGICA) (fig. 2)

Heating temperature is adjusted using the heating knob (III). The set temperature is indicated on the red led scale from 35 - 80°C and the yellow heating led (III) turns on simultaneously. If the water return temperature is lower than about 55° C, combustion product condensates further increasing heat exchange efficiency. Unless a domestic hot water cylinder is connected, the DHW control knob has no function.

1.4 GAS CONVERSION

Should it be necessary to convert the appliance to a different gas from the one for which the boiler has been equipped, seek advice from a qualified technician.

1.5 CLEANING AND MAINTENANCE

Preventive maintenance and checking of the efficient operation of the equipment and safety devices must be carried out exclusively by the authorized technical staff. Should any component require replacement, only manufacturers original parts must be used.

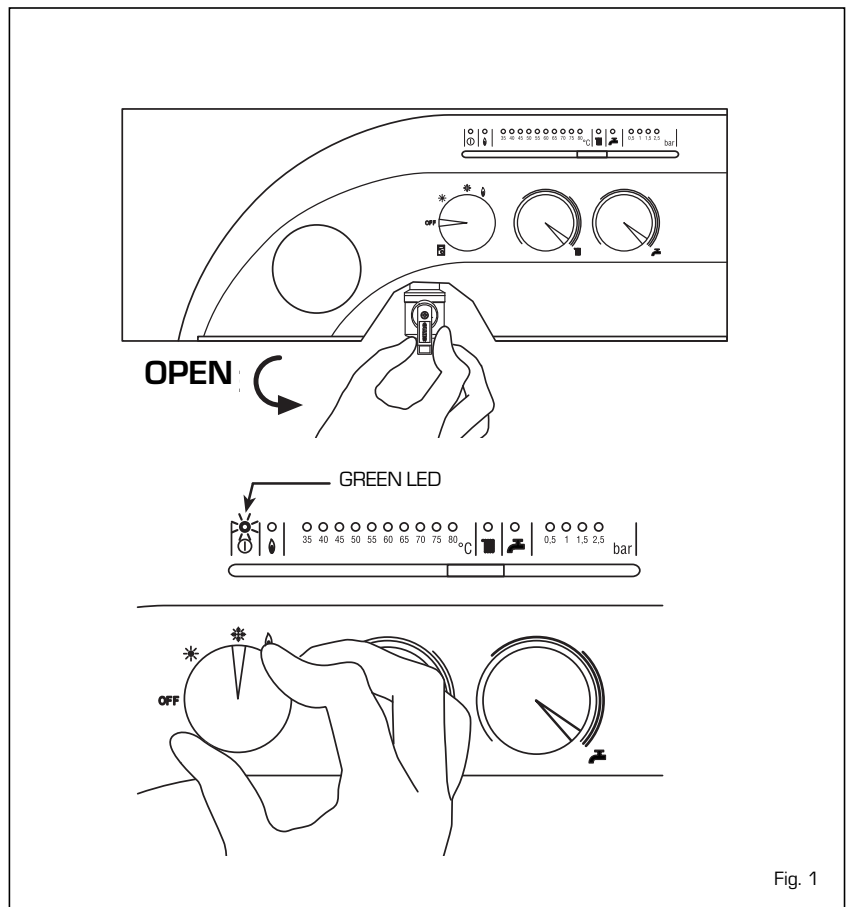


Fig. 1

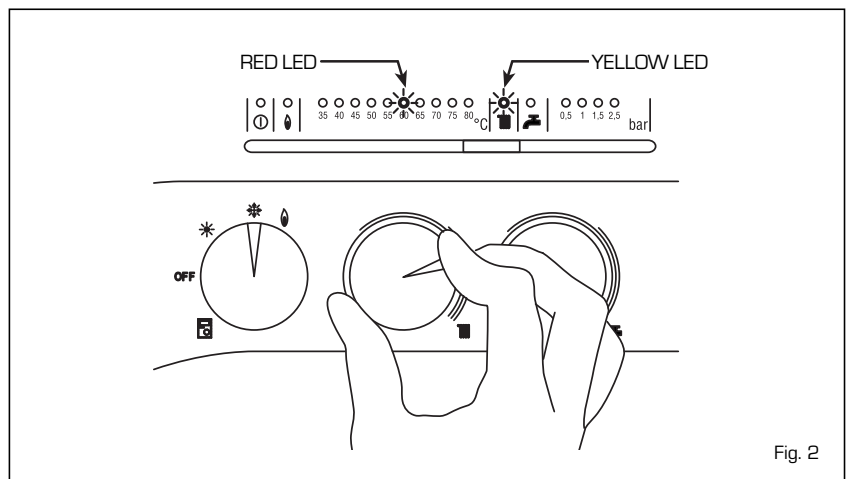


Fig. 2

1.6 MALFUNCTIONS

- Ignition lockout (fig. 3)

If the burner does not light the red led (🔥) turns on. To attempt ignition again, rotate the selector knob to (🔥) and release it immediately returning it to winter position (❄️).

If the problem persists, contact a authorised engineer .

- Insufficient water pressure (fig. 4)

If the "0.5 bar" red light blinks, the boiler does not work.

To restore operations, fill the system until the green "1 bar" led turns on.

If all leds are off, request an authorised engineer.

- Safety/exhaust thermostat triggered (fig. 5)

If the safety/exhaust thermostat triggers the red "35°C" led blinks. To attempt ignition again, rotate the selector knob to (🔥) and release it immediately returning it to winter position (❄️).

If the problem persists, contact an authorised engineer.

- Other faults (fig. 6)

When one of the red "40-80°C" leds blinks, turn off the boiler and attempt ignition again.

This operation can be repeated 2-3 times at most, in the event of failure, request an authorised engineer.

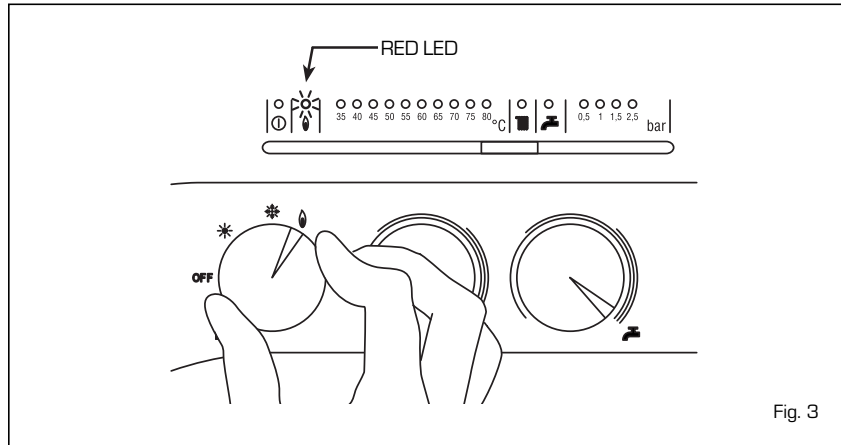


Fig. 3

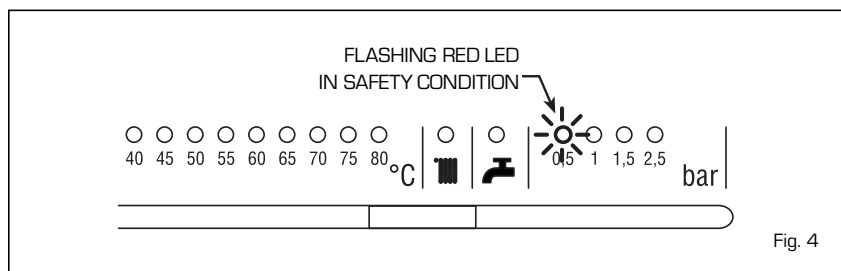


Fig. 4

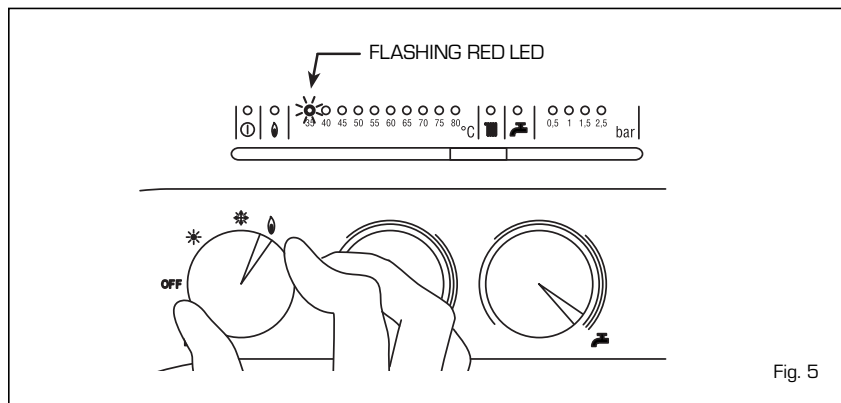


Fig. 5

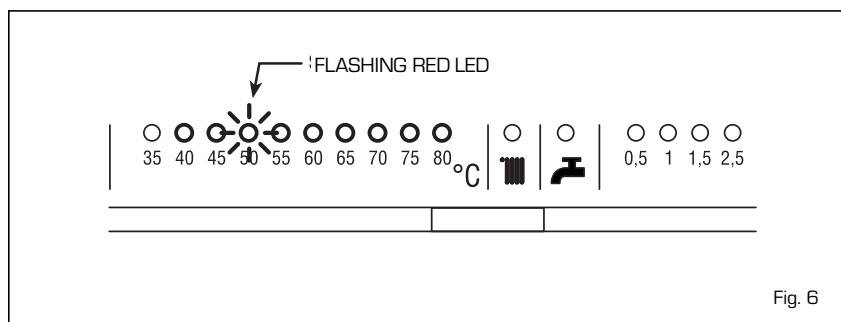


Fig. 6

“PLANET DEWY 60-100 BFR” BOILER INSTALLATION IN SEQUENCE/CASCADE

WHEN THE BOILER IS CONNECTED TO REGULATOR RVA 47.320 IN SEQUENCE/CASCADE INSTALLATIONS, ALL BOILERS IN THE HEATING UNIT MUST HAVE THEIR “CR/OFF/INV/RELEASE” SELECTORS POSITIONED AS INDICATED IN FIG. 7.

THE HEATING POTENTIOMETER AND WATER KNOB NO LONGER HAVE ANY CONTROL AND ALL FUNCTIONS WILL BE CONTROLLED BY THE TVA 47.320 REGULATOR.

2 LOGICA REMOTE CONTROL

When the boiler is connected to the “Logica Remote Control” regulator, the selector CR/OFF/SUM/WIN/UNBLOCK must be placed in the position (OFF); the knobs of the hot-water service heating potentiometers do not have any effect and all of the functions will be managed by the regulator (fig. 7). If the “Logica Remote Control” fails, the

boiler will function by placing the selector on the (☀ o ❄), position, obviously without consequent control of the room temperature.

The operating instructions are located inside the cover (fig. 8). Each setting or modification is displayed (fig. 9).

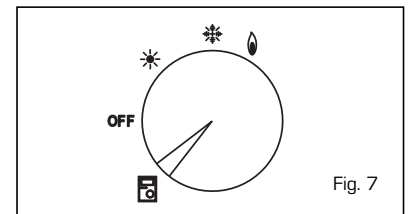
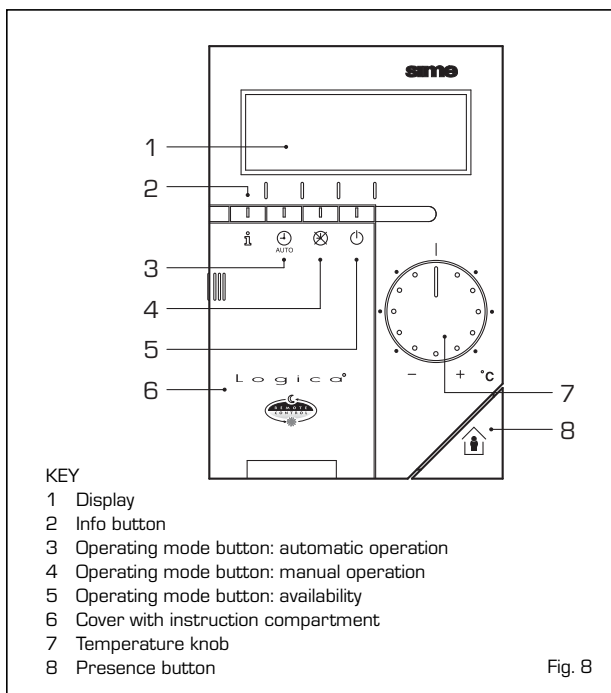


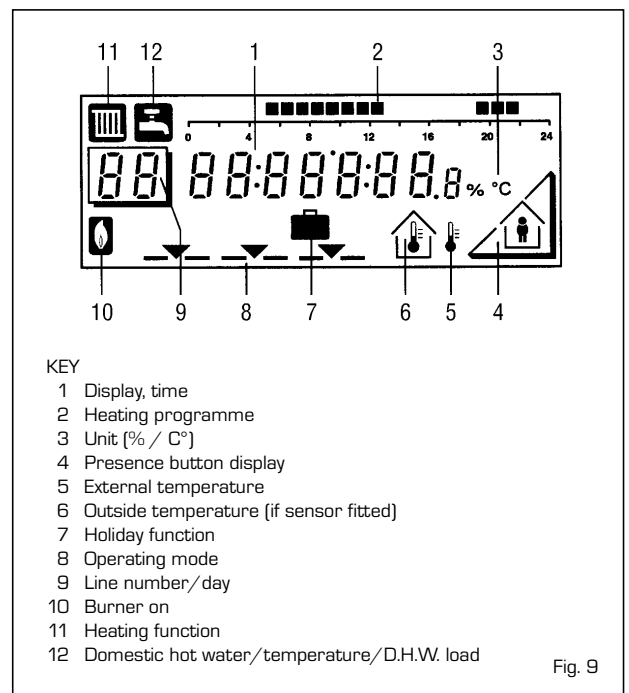
Fig. 7



KEY

- 1 Display
- 2 Info button
- 3 Operating mode button: automatic operation
- 4 Operating mode button: manual operation
- 5 Operating mode button: availability
- 6 Cover with instruction compartment
- 7 Temperature knob
- 8 Presence button

Fig. 8



KEY

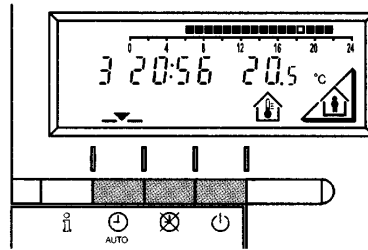
- 1 Display, time
- 2 Heating programme
- 3 Unit (% / C°)
- 4 Presence button display
- 5 External temperature
- 6 Outside temperature (if sensor fitted)
- 7 Holiday function
- 8 Operating mode
- 9 Line number/day
- 10 Burner on
- 11 Heating function
- 12 Domestic hot water/temperature/D.H.W. load


Fig. 9

ACTIVATING

During functioning the lid of the regulator must be closed.

- **Selection of the operating mode**
(reference keys grey colour)



The operating mode desired is selected by pressing the relative key with the corresponding symbol. The choice is displayed with the symbol .



AUTO

Automatic functioning: the heating functions automatically according to the heating programme entered. The programme may be excluded for brief periods with the on-line key.

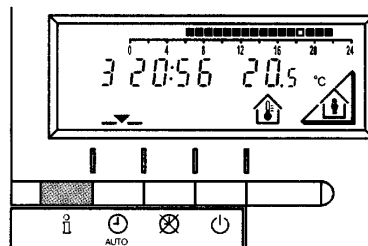


Manual functioning: the heating functions manually according to the choice made with the on-line key.



Availability: the heating is deactivated.

- **Info key**
(reference key grey colour)



For every operation of the Info key the following list of items, one after the other, are displayed. The thermo-feeler continues to function independently of the display.



Day, hour, room temperature



External temperature*

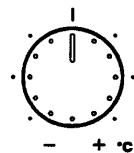


Hot-water service temperature*

* Only with outside sensor fitted.

- **Adjusting the temperature**

Ensure that the radiators in the room with the Logica do not have thermostatic valves, and are not turned off.



The fixed temperature can be adjusted with the control knob.



If you turn the knob towards the + sign, the fixed temperature is increased by about 1 °C for every notch.

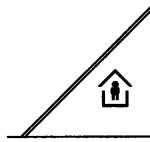


If you turn the knob towards the - sign, the fixed temperature is decreased by about 1 °C for every notch.

Before adjusting it again, however, allow the temperature to stabilise first.

Note: With the temperature knob you can only adjust the fixed temperature, the reduced temperature remains the same.

- On-line key





If the rooms remain unused for a long period of time, the temperature can be reduced with the on-line key, in this way saving energy. When the rooms are occupied again, press the on-line key to re-heat them. The current choice is displayed on the display:



Fixed temperature heating



Reduced temperature heating

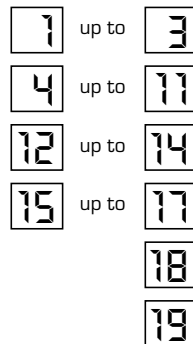
NOTE: If the control is in the manual mode , If the control is in the automatic mode  the control will revert automatically at the next change of the heating programme.

PROGRAMMING

To enter the programming mode the flap on the control must be open.

You can set or display the following values:

- Temperatures 1 up to 3
- Heating programme 4 up to 17
- Day of the week and hour 12 up to 14
- Current values 15 up to 17
- Holiday period 18
- Return to the default values 19



As soon as the cover is open, the display and the key functions are switched on.

The number in the square represents the programme lines that may be selected with the arrow keys.

- Temperature regulation

Before proceeding with the adjustment in the temperature on the regulator, the thermostatic valves, which may be present, have to be regulated to the desired temperature.

In automatic mode, the apparatus switches from the fixed temperature to the reduced temperature according to the time programme. The manual switching of the temperature is done manually with the on-line key.



Fixed temperature: temperature when the rooms are occupied (basic setting)








Reduced temperature: temperature during periods of absence or night



Hot-water service temperature:
- desired temperature of hot-water service
- comfort temperature of the hot-water service (with hot water cylinder unit)



Reduced temperature of hot-water service (with hot water cylinder unit): temperature desired for hot-water service at reduced level.

To have access to the "reduced hot-water service temperature" parameter; press the  and  keys at the same time for at least 5 seconds and then go along the entered lines with the key  until parameter 61 is reached. Regulate the value with  and .

- Heating/hot-water service programme

With the heating programme it is possible to set the switching times of the temperature for a period of a week. The weekly programme consists of 7 daily programmes. One daily programme allows 3 phases of heating. Each phase is defined by a starting time and a finishing time. The n. 8 daily programme is for the hot-water service (if storage unit connected). If a phase is not required, the same starting and finishing time may be entered.



- 4 Select the days that correspond with the heating phase.
1 = Monday, ... 7 = Sunday/8 = hot-water service programme
- 5 Start of phase 1: Start of first comfort period.
- 6 End phase 1: End of first comfort period.
- 7 Start phase 2: Start of second comfort period.
- 8 End phase 2: End of second comfort period.
- 9 Start phase 3: Start of third comfort period.
- 10 End phase 3: End of third comfort period.
- 11 Copying of the daily programme

+ By pressing this key it is possible to repeat the current heating programme for the **next day**.

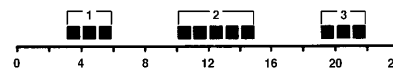
- By pressing this key it is possible to repeat the current heating programme for the **previous day**.

As a confirmation the following day is displayed.

- Programme for hot-water service (with storage capacity boiler unit)

With the Logic Remote Control it is possible to manage the temperature of boiler unit on two levels (a comfort level and one at reduced temperature) in accordance with the programme chosen with parameter 62 (load hot-water service). To have access to the parameter press the ▲ and ▼ keys for at least 5 seconds and then go along the entered lines with the ▼ key until parameter 62 is reached. At this point four different programmes may be selected with 0 or + keys, with the following characteristics:

- 0** = 24 hours/ day - Hot water always available at the temperature set in parameter 3.
- 1** = standard - Hot water according to the daily heating programme. In the comfort periods of the heating the temperature of the boiler unit is regulated at the value set via parameter 61.
- 2** = service suspended.
- 3** = second daily programme (8) - Everyday of the week the temperature of the hot-water service is set according to programme B. In this case the programming is one for all the days of the week and three periods of time are available. In the periods of time set, the temperature of the boiler unit is controlled via the temperature setting of parameter 61.



- 5 Start phase 1: Start time of first comfort period.
- 6 End phase 1: End time of first comfort period
- 7 Start phase 2: Start time of second comfort period.
- 8 End phase 2: End time of second comfort period.
- 9 Start phase 3: Start time of third comfort period.
- 10 End phase 3: End time of third comfort period.

- Setting the time

12 To set the current day of the week
(1 = Monday/7 = Sunday)

13 To set the current hour



14 To set the current minute
Once the hour is completed, the setting of the hour changes.

With **+** and **-** keys the current hour is regulated. Pressing these keys together, the regulation is speeded up in an increasing sense.

- Current values


15 Display and setting of the gradient of the heating characteristics curve.
When the room temperature set is not reached choose the gradient indicated in point 2.8.3

16 Display of the current boiler temperature.

17 Display of the current power of the burner and of the current operating mode
( = heating/  = hot-water service)

- Holiday function

18 To enter the number of days of absence.

In the display the holiday symbol will be shown () , on the left the day of activation (1 = Monday/7 = Sunday) and on the right the number of days holiday.

NOTE:



During the holiday the regulator will be on the availability mode.



When the set days have elapsed, the regulator will go on to the automatic function.

The holiday period may be cancelled by pressing a key of the operating mode.

- Default values

19 To reset the Logica to the default values, press the **+** and **-** keys at the same time for at least 3 seconds. As confirmation a sign will appear on the display.

ATTENTION

The values of the following line numbers previously entered will be lost.

- Temperature and time programme **1** to **10**
- Holiday period **18**

- Error display

Er 0

Er 1

Er 68

Er 69


Er 70

Er 192


Er 193

Er 195

Ignition lock-out

Rotate selector CR/OFF/EST/INV/RESET on the boiler control panel to the release position () to reset operation. If the lock-out re-occurs, call an authorised Service Centre.

Safety thermostat trip

Rotate selector CR/OFF/EST/INV/RESET on the boiler control panel to the release position () to reset operation. If the lock-out re-occurs, call an authorised Service Centre.

Heating sensor fault (SM)

Call an authorised Service Centre.

Insufficient water pressure

Re-pressurise the boiler using the filling loop.

Plant overpressure

Call an authorised Service Centre.

Safety thermostat trips

Call an authorised Service Centre.

Ventilator malfunction

Call an authorised Service Centre.

No communication between the "Logica Remote Control" and the boiler.

Call an authorised Service Centre.



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