

# **Planet Dewy 90-110**

*User instructions*



# 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](http://www.centralheating.co.uk)

Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation.

The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).

All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme.

A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Benchmark Checklist.

This product should be serviced regularly to optimise its safety, efficiency and performance.

The service engineer should complete the relevant Service Record on the Benchmark Checklist after each service.

The Benchmark Checklist may be required in the event of any warranty work and as supporting documentation relating to home improvements in the optional documents section of the Home Information Pack.

## VERY IMPORTANT!

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

## LIGHTING AND OPERATION

### BOILER IGNITION (fig. 1)

Open the gas valve, lower the control panel cover and activate the boiler by rotating the selector knob to the summer position [☀]. The lighting-up of the green led [Ⓢ] will indicate that the apparatus is switched-on and ready.

- With the rotary switch in the summer position [☀] the boiler will start-up upon demand for domestic hot water; and run at full power to reach the selected temperature.

ature. The gas feeding pressure will then automatically vary to ensure that the required temperature is kept constant.

- With the rotary switch in the winter position [❄] once the boiler has reached the value set on the heating potentiometer; it will start to modulate in automatically in order to supply the required power output to the system.

The operation of the boiler will be stopped through the intervention of the thermostat or "Logica Remote Control".

### TIME-CLOCK INSTRUCTIONS

#### Setting the time

Turn the clock dial in a clockwise direction until it reads the time of the day.

#### Program setting

Press inwards the segments on the program disk corresponding to the selected switching periods.

**Function 1:** segment set outwards (C.H. "ON")

**Function 2:** segment set inwards (C.H. "OFF")

#### Manual override

0 = "OFF" permanently

⌚ = automatic programmed operation

1 = "ON" permanently

#### Programming characteristics

|                                   |         |
|-----------------------------------|---------|
| Cycle                             | 24 hour |
| Number of actions per cycle       | 96      |
| Program time per segment          | 15 min. |
| Min. interval between two actions | 15 min. |

### TEMPERATURES ADJUSTMENT (fig. 2)

- The D.H.W. temperature can be adjusted by turning the knob of the D.H.W. potentiometer [⚙].

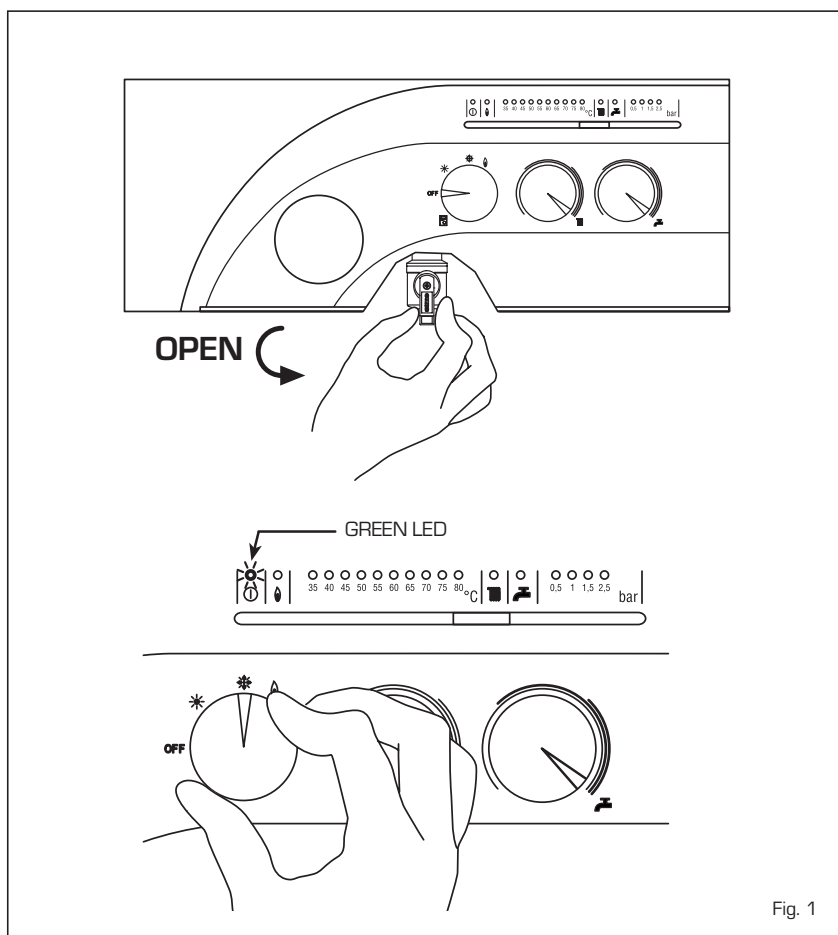
When there is a demand for hot water, the set temperature is displayed on the red led scale from 35÷80°C and the yellow domestic hot water led lights-up at the same time [Ⓢ].

- The C.H. temperature can be adjusted by turning the knob of the C.H. potentiometer [⚙]. The set temperature is indicated on the red led scale from 35÷80°C and the yellow heating led lights up at the same time [Ⓢ].

To ensure optimal boiler efficiency at all times, we recommend not to drop below a minimum working temperature of 50°C.

### TURNING OFF BOILER (fig. 1)

To turn off the boiler set the switch to



**"OFF"** and close the gas-feeding pipe tap if the boiler remains inoperative for a long period

## CLEANING AND MAINTENANCE

It is advisable that the boiler is serviced after 12 months of operation.

**Preventative maintenance and checking of the efficient operation of the equipment and safety devices must be carried out by Gas Safe Register registered engineers.**

The boiler is supplied with an electric cable. Should this require replacement, contact an authorized technical staff.

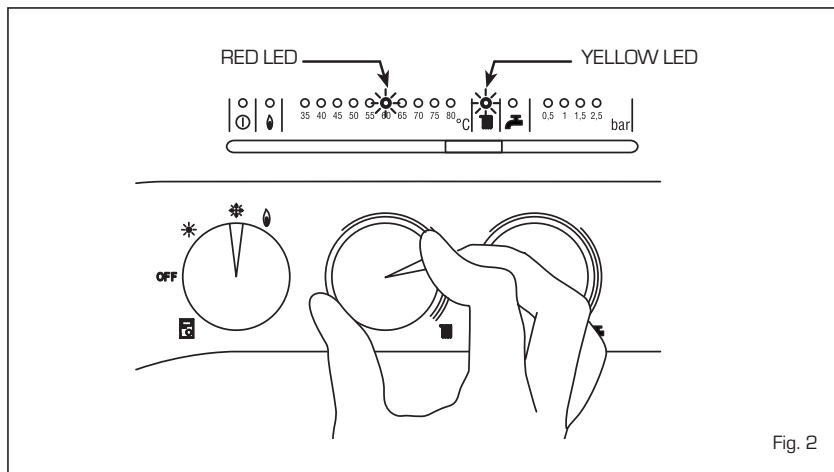


Fig. 2

## FAULT FINDING

### – Ignition lock-out (fig. 3)

If the burners do not ignite, the red led will light-up (●).

To attempt a boiler restart, rotate the selector knob to position (●) and release it immediately, placing it in the summer (☼) or winter (❄) operation position.

**If the boiler lock-out re-occurs, contact an authorised technical staff.**

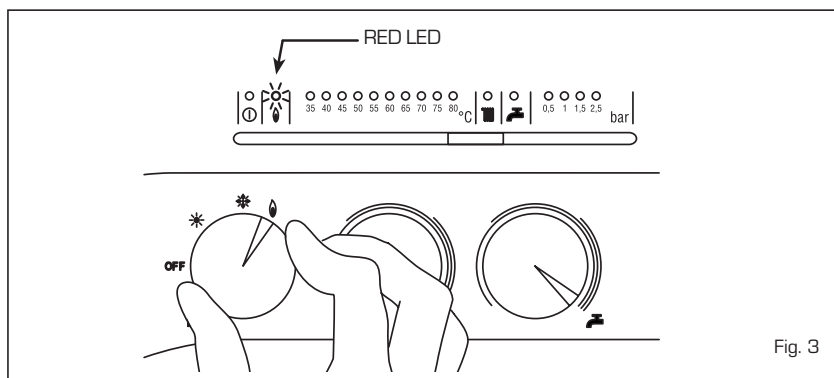


Fig. 3

### – Insufficient water pressure (fig. 4)

If the red "0.5" bar led starts flashing the boiler will not function, to restart the operation the system must be recharged, ask your installer to point out the filling loop and recharge the system until the green 1 bar led lights up.

If all the leds are off, call the technical Help Desk.

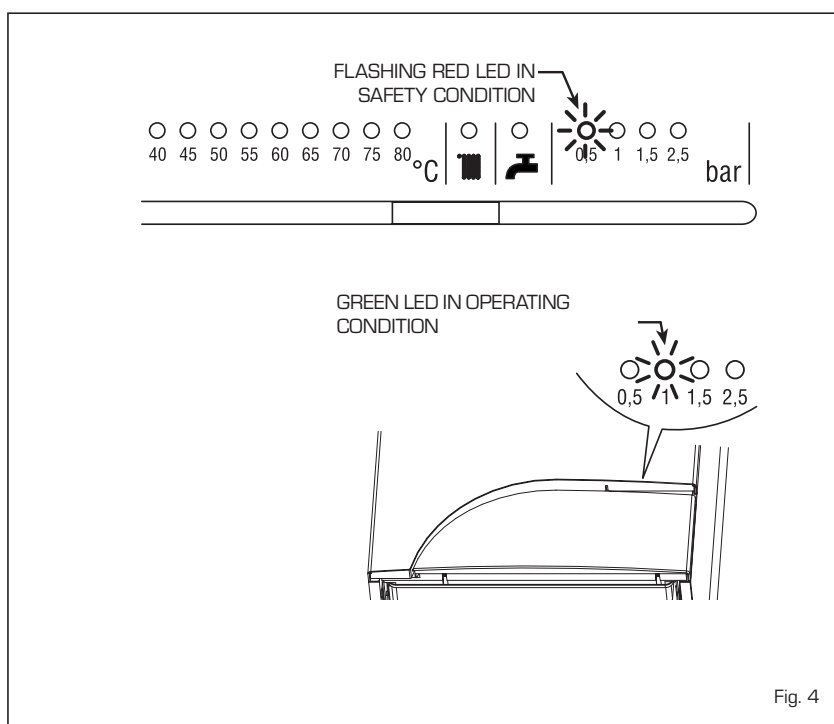


Fig. 4

– **Safety thermostat trip** (fig. 5)

If the safety thermostat trips, the red "35°C" led will start flashing. In order to attempt a boiler restart, rotate the selector knob to position (OFF) and release immediately, returning it to the summer (☀) or winter (❄) position.

**If the boiler lock-out occurs again, call authorised technical staff.**

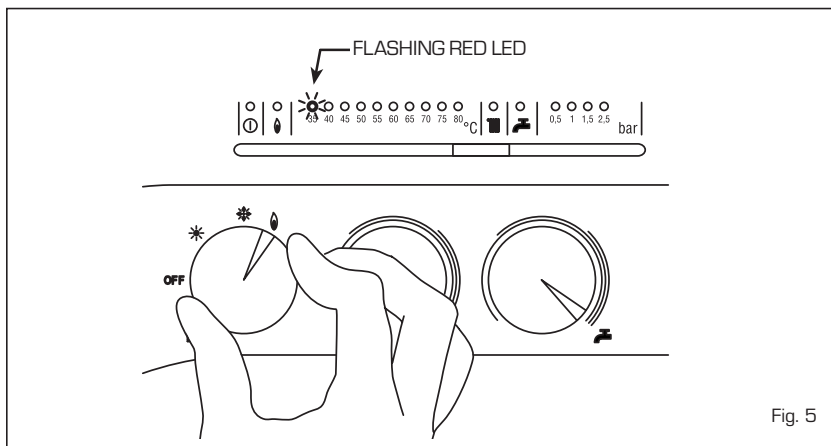


Fig. 5

– **Other anomalies** (fig. 6)

If one of the red "40÷80°C" leds start flashing, switch-off the boiler and try again.

After 2 or 3 unsuccessful attempts, do not try again, call the technical helpdesk.

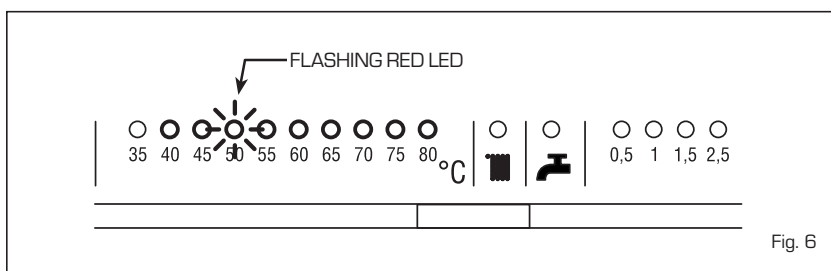


Fig. 6

## LOGICA REMOTE CONTROL

With selector CR/OFF/EST/INV/RESET of the "PLANET DEWY 90-110" control panel in position (OFF) all the func-

tions are managed by the "Logica Remote Control" regulator. The operating instructions are reported

inside the cover (fig. 7).

Each setting or modification is displayed (fig. 8).

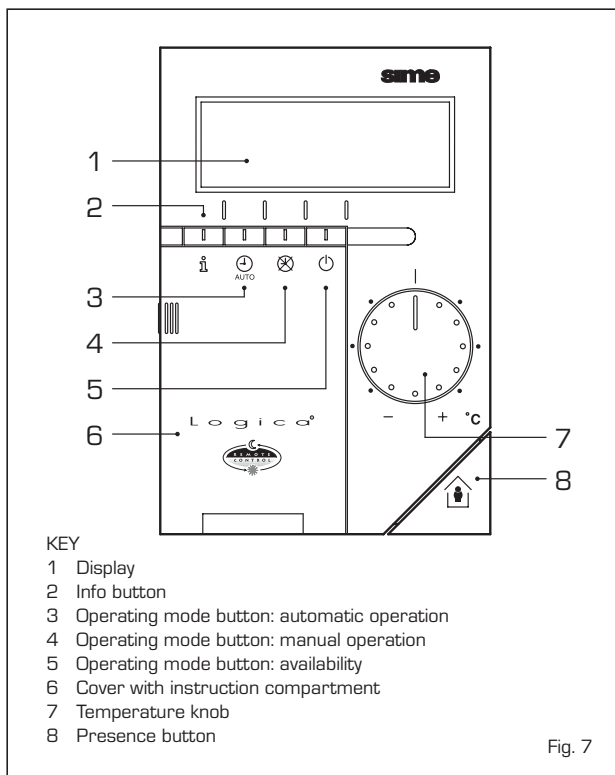


Fig. 7

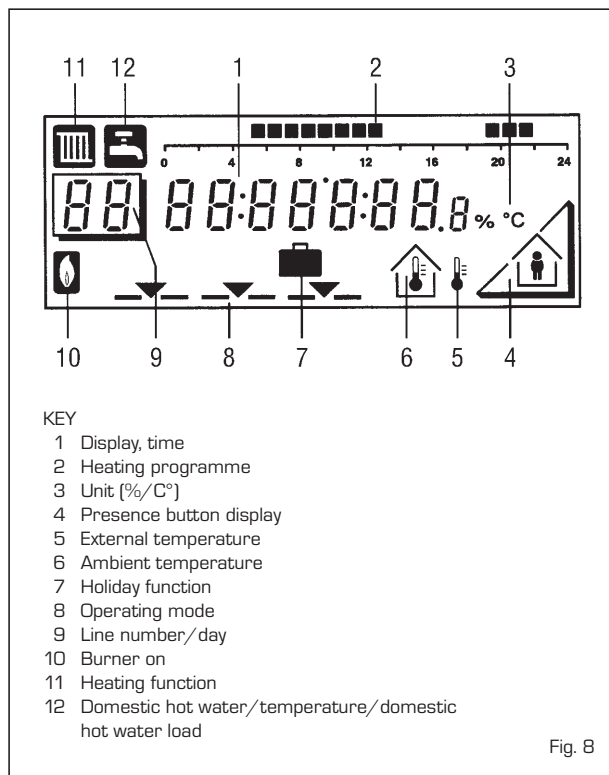
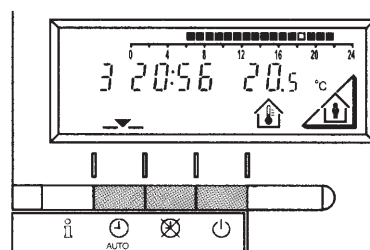


Fig. 8

## OPERATION

During operation, the cover of the controller must be kept closed.

- **Selection of operating mode**  
(grey reference buttons)



The required operating mode is selected by pressing the relative button with the corresponding symbol. The selection is displayed with the symbol .



**AUTO**

**Automatic operation:** the heating functions automatically in line with the set heating programme. The programme can be switched-off for brief periods by pressing the presence button.

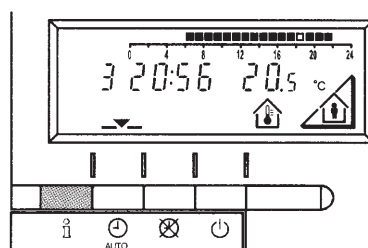


**Manual operation:** the heating functions manually in line with the selection of the presence button.



**Availability:** heating is deactivated.

- **Info button**  
(grey reference button)



Each time the info button is pressed, the following are displayed one after the other: The temperature sensor continues to function independently of the display



Day, time, ambient temperature



External temperature \*



Domestic hot water temperature \*

\* This information appears only when the relative sensor is connected or if it is transmitted by the boiler regulator.

- **Temperature correction**

**Before correcting the temperature on the regulator, the thermostat valve temperatures (if provided) must be set to the required temperature first.**



If your house is too warm or too cold, you can easily correct the set temperature by adjusting the temperature knob.



Rotating the knob towards the + sign increases the set temperature by approximately 1°C per notch.



Rotating the knob towards the - sign decreases the set temperature by approximately 1°C per notch.

**Before re-correcting, allow the temperature to stabilise.**

**Note:** The temperature knob can only be used to correct the set temperature, while the reduced temperature remains unaltered.

## - Presence button



If the rooms remain unused for long periods of time, you can reduce the temperature with the presence button, thus saving energy. When the rooms are occupied, they can be heated by re-pressing the presence button.

The current selection is shown on the display:



Heating to the set temperature



Heating to the reduced temperature

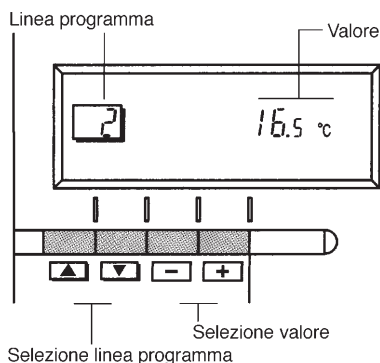
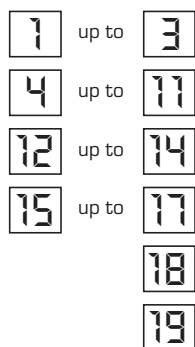
**NOTE:** The current selection becomes permanent in manual mode (⊗), in automatic mode (⌚) it only lasts until the next heating programme switches-in.

## PROGRAMMING

When programming, the regulator panel must be open.

You can set or display the following values:

- Temperature
- Heating programme
- Day of the week and time
- Current values
- Holiday length
- Return to default values



As soon as the cover is opened, the display and the functions of the buttons are switched. The number in the box indicates the programme line and can be selected using the arrow buttons.

## - Temperature control

**Before correcting the temperature on the regulator, the thermostat valve temperatures (if provided) must be set to the required temperature first.**

In automatic mode, the apparatus switches between the set temperature and the reduced temperature according to the timer programme. The switch-over of the temperatures in manual mode is performed manually with the presence button.



Set temperature:  
Temperature during occupation of the rooms (basic setting).



Reduced temperature:  
Temperature during periods of absence or at night.



Domestic hot water temperature:  
Temperature required for domestic hot water.



## - Heating/domestic hot water programme

The heating programme can be used to pre-set the temperature switch-over times for one week.

The weekly programme consists of 7 daily programmes.

One day programme allows three heating phases to be set-up. Each phase is defined by a start and finish time.

Day programme n.8 is for domestic hot water (for setting by the heating engineer only).

If one of the phases is not necessary, enter the same start and finish times.



- 4 Select the day required for the heating phases (1 = Monday... 7 = Sunday/8 = domestic hot water programme)
- 5 Start of phase 1: heating in set mode
- 6 End of phase 1: heating in reduced mode
- 7 Start of phase 2: heating inset mode
- 8 End of phase 2: heating in reduced mode
- 9 Start of phase 3: heating inset mode
- 10 End of phase 3: heating in reduced mode
- 11 Copying a day programme

+ Press this button to copy the current heating programme to the **next day**.

- Press this button to copy the current heating programme to the **previous day**.

The next day is displayed as confirmation.

#### - Setting the time

- 12 To set the day of the week (1 = Monday / 7 = Sunday).
- 13 Setting the hour.
- 14 Setting the minutes.  
The setting of the time will change when a full hour is reached.

The current time is adjusted with + and - keeping these buttons pressed will accelerate the adjustment.

#### - Current values

- 15 Display and setting of the slope of the characteristic heating curve. Choose a gradient indicated at point 2.10.3 when the imposed room temperature is not reached.
- 16 Display of the current temperature in the boiler:
- 17 Display of the current burner power and operating mode ( = heating / = domestic hot water)

#### - Holiday function

- 18 For setting the number of days of absence.  
The holiday symbol ( ), will appear on the display, the start day on the left (1 = Monday / 7 = Sunday) and the number of holiday days on the right.

#### NOTE:



During the holiday period, the regulator will switch to availability mode.



When the set days have passed, the regulator will switch to automatic operation mode.

The holiday function can be cancelled by pressing one of the operating mode buttons

– Default value

19

To return the settings to their default values, press buttons **+** and **–** simultaneously for at least 3 seconds. A symbol will appear on the display as confirmation.

**WARNING**

The values in the following lines previously entered will be lost.

- Temperature and time programme

1

up to

10

- Holiday duration

18

– Error display

Er 0

**Ignition lock-out**

Rotate selector CR/OFF/EST/INV/RESET on the "PLANET DEWY 90-110" control panel to the release position (0) to reset operation (fig. 3).

If the lock-out re-occurs, call authorised technical staff.

Er 1

**Safety thermostat trip**

Rotate selector CR/OFF/EST/INV/RESET on the "PLANET DEWY 90-110" control panel to the release position (0) to reset operation (fig. 5).

If the lock-out re-occurs, call authorised technical staff.

Er 67

**Domestic hot water sensor fault (SS)**

Call authorised technical staff.

Er 68

**Heating sensor fault (SM)**

Call authorised technical staff.

Er 69

**Insufficient water pressure**

Reset operation using the boiler charge valve (fig. 4).

Er 70

**Plant overpressure**

Call authorised technical staff.

Er 192

**Safety thermostat trips**

Call authorised technical staff.

Er 193

**Ventilator**

Call authorised technical staff.

Er 195

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

Call authorised technical staff.



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