Temperature control unit
5739 18/19

Installation manual

L1 legrand®

Contents

Contents

1 - Introduction

1.1 - Warnings and tips

Before proceeding with the installation this manual should be read carefully, because the guarantee is automatically cancelled in the event of negligence, incorrect manoeuvre or improper use or if unauthorised people tamper with the circuit.

Moreover it is cancelled when the fault is due to strong accidental overvoltages on the power supply network. Thus if the Control Unit is installed in a place which is subject to violent atmospheric discharges (storms), suitable protection must be installed on the power supply line and it must be connected to the earth as rigorously as possible and respecting IEC standards.

1.2 - Contents of package

The Control unit package contains:

- Temperature control unit 5739 18/19.

- Installation manual.

- User manual.

- CD-ROM containing ThermoConfig software and manuals in PDF format.
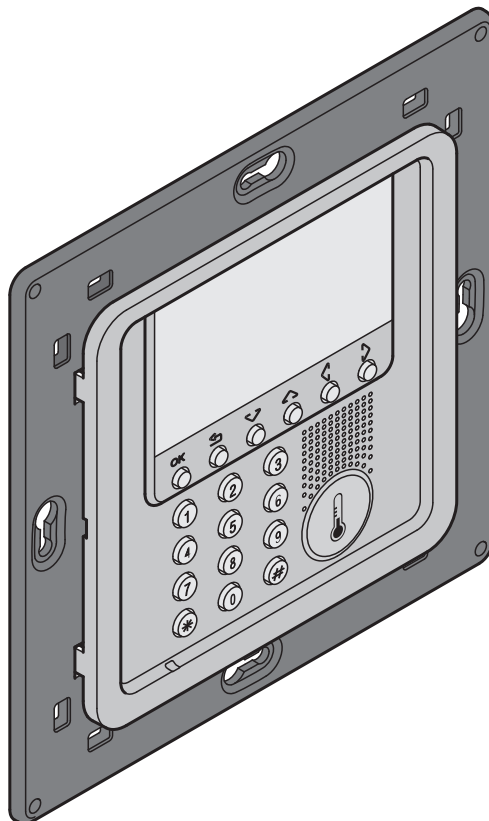
2 - Description of the Control unit

2.1 - Overview
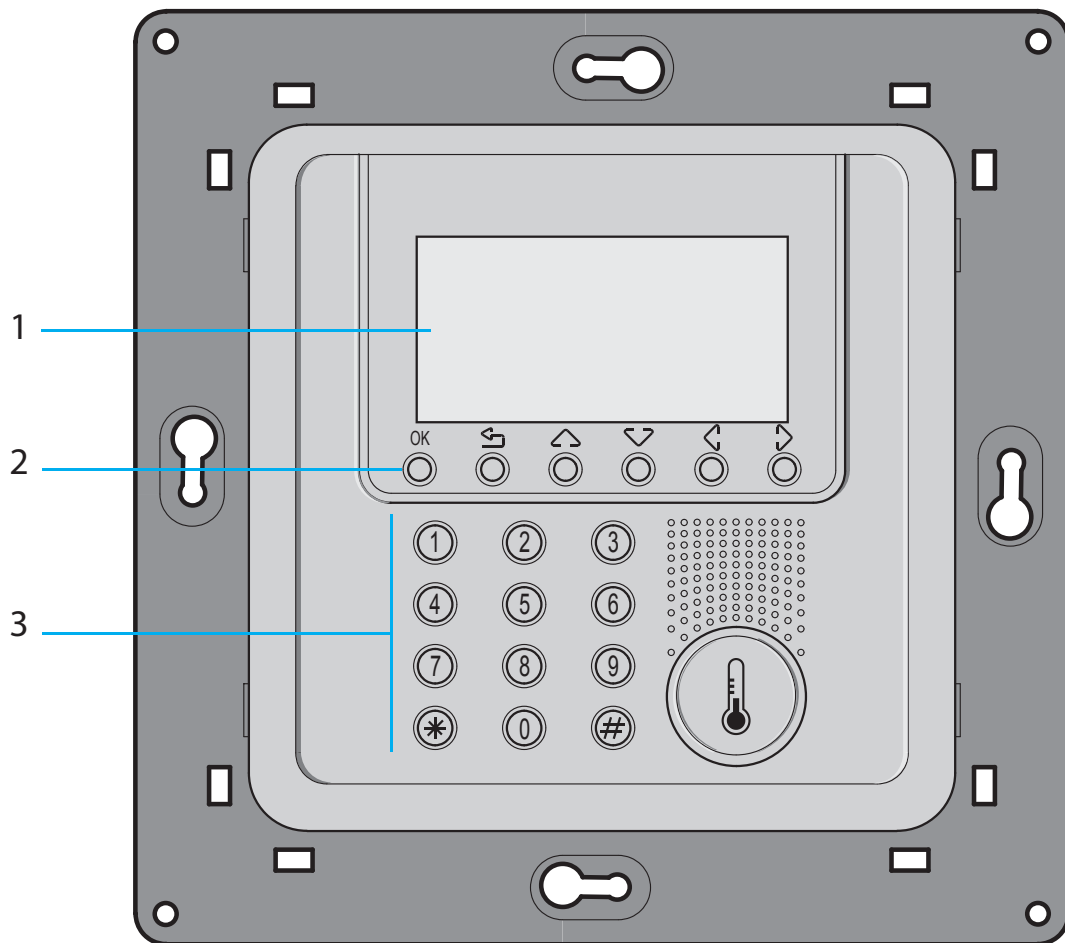
1 Graphic display: displays the messages which guide the programming operations and the events which have occurred (*more information on the next page*).

2 Navigation keypad: lets you navigate through the menus and enables the confirmation or cancellation of programming operations.

3 Alphanumeric keypad: allows manual entering of all programming operations that require the use of numbers and/or symbols.

2 - Description of the Control unit

2.2 - Display

First page

In normal operation the Control Unit display shows the following information in the first page:

State: Winter (heating) / Summer (cooling) ———— Mode of operation

Example ———— Name of the program being

11:26 01-10-2008

Time   Date

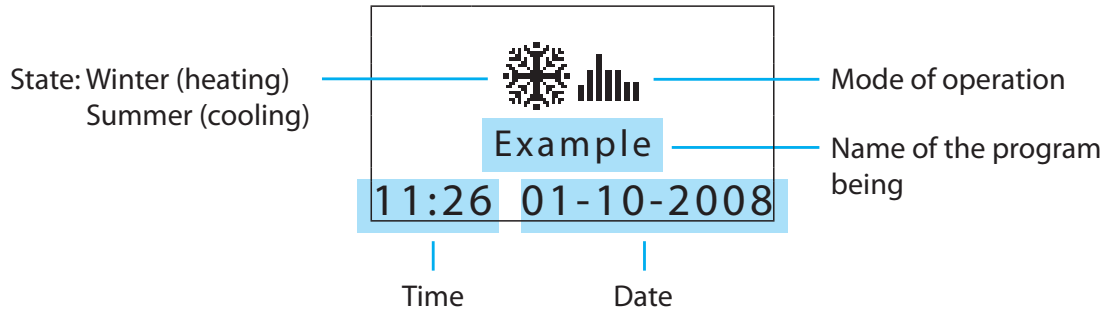⚠️ *The system automatically returns to the first page after 2 minutes time-out.*

Mode of operation:
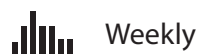
▮▮▮	Weekly	🔔	Holiday
▯▮▯	Manual	Ⓘ	OFF
☼☾	Scenarios	🏠	Antifreeze or Heatprotection

In normal operation, when one of the following modes is set for some zones of the system, the Control Unit display will show their icons in the first page:

Example
11:26 01-10-2008

Ⓘ One or more zones in OFF

✋ One or more zones in MANUAL

❄ One or more zones in ANTIFREEZE or HEAT protection

When a mode is applied to ALL THE ZONES of the system the following information is given on the control unit display:

11:26 01-10-2008
Winter
System OFF

22.0
11:26 01-10-2008
Winter
Manual

11:26 01-10-2008
Winter
Antifreeze system

2 - Description of the Control unit

Fault signalling

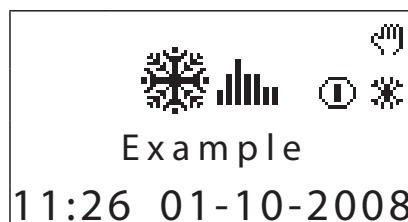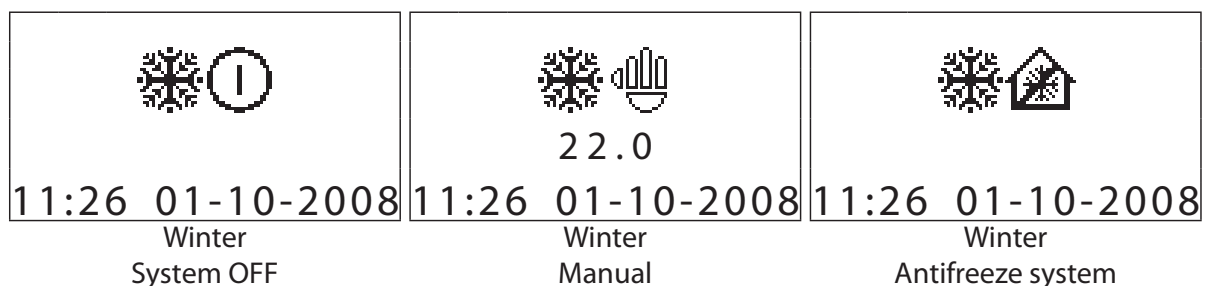In normal operation, when one of the following modes is set for some zones of the system, the Control Unit display will show their icons in the first page:
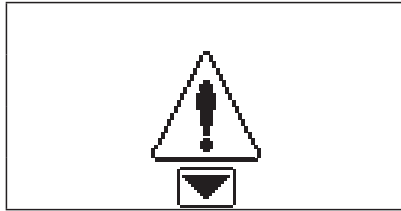
The page indicates a system fault; press any key for direct access to the Diagnostics menu.

❗ The icon indicates an operation fault in one or more system zones.

🔋 Flat battery

2.3 - Navigation keys

OK - Key to confirm the selection displayed or the data entered.

↩ - Key to cancel the selection and return to the previous page – keep pressed to quit the Main menu and return to the first page.

Scroll keys, scrolls the list of items in the menu.

Selection keys, can select functions when they are present in the menu.

01:	Weekly
02:	**Manual**
03:	Scenarios
04:	Scenarios

01:	Zone1
02:	Zone2
03:	Zone3
◀	Manual ▶

8

2 - Description of the Control unit

2.4 - Main functions

Control Unit 5739 18/19, which can only be used for the In One by Legrand® temperature control function, can set the system and modify the mode of operation. Coming with management software with guided menus shown on the display, it lets the user select the mode of operation, display the temperatures of the individual zones and display and change the daily temperature profiles and the weekly programs, while the maintenance menu, reserved for the installer (code protected), gives access to the system settings (zone configuration, system test, total reset…). The Control Unit can manage heating and cooling systems up to a maximum of 99 zones. An input contact can be connected for the remote control (switching from antifreeze mode to automatic mode and vice versa) by telephone actuator

2.5 - Mode of operation

7 different modes of operation can be selected:

- **Weekly**
  3 weekly programs can be created for each of the two functions (heating and cooling); daily temperature profiles (0h – 24h), different for each day of the week and for each zone, can be defined for each of these.

- **Manual**
  In this mode a fixed temperature can be set on the whole system and on the individual zone without time bands; for the individual zone, when the manual mode is switched off operation is automatically reset on the last programming set.

- **Scenarios**
  In this mode scenarios can be defined which the user activates as required; these scenarios set a predefined temperature in the various zones. Up to 16 scenarios can be defined for winter operation and 16 for summer operation and for each of these the temperature to be set is associated with each zone.

- **Holiday**
  The Holiday mode can select a particular daily profile for a set period. The program is run until the date and time programmed, after which the weekly program selected is reset.

- **Holidays**
  This mode keeps the system in Antifreeze or Heat protection until the date and time set. At the end the weekly program selected is reset.

- **OFF**
  When this mode of operation is entered the Control Unit switches off all the selected zones until one of the other modes is reset.

- **Antifreeze / Heat protection**
  In this mode the system sets the antifreeze or heat protection temperature on the whole system or on the individual zone on the basis of the current system function (summer/winter).
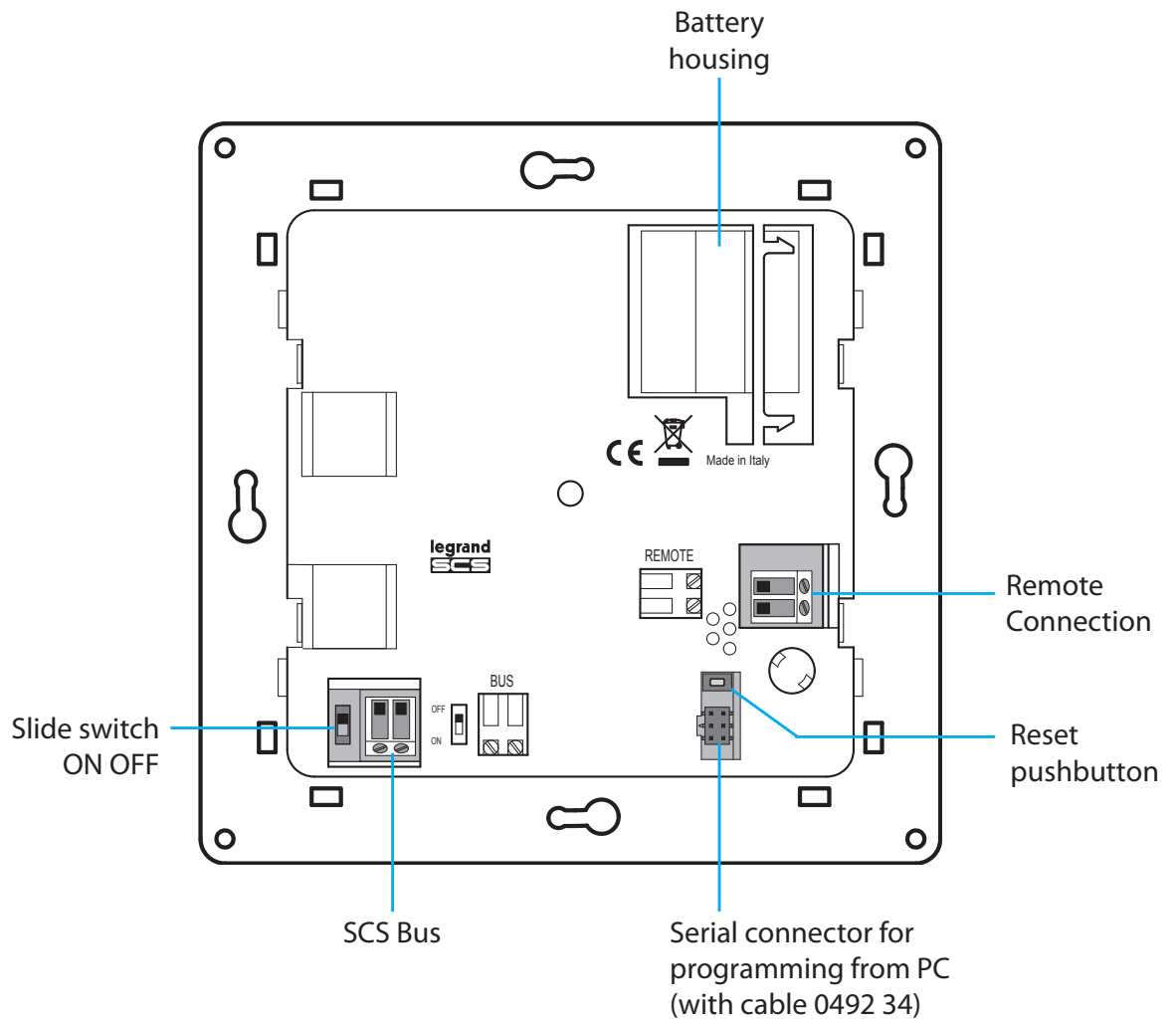
2 - Description of the Control unit

2.6 - Factory settings

The temperature control unit is supplied with the following settings:

User code	00000 (DISABLED)
Maintenance code	12345
Language	ENGLISH
Mode	WEEKLY
Program	EXAMPLE (preset)
State	WINTER
Temperatures	Winter : T*: 7.0°c - T1: 18.0°C - T2: 20°C - T3: 22°C Summer: Pt: 35.0°c - T1: 20.0°C - T2: 23°C - T3: 25°C
Remote control	ENABLED

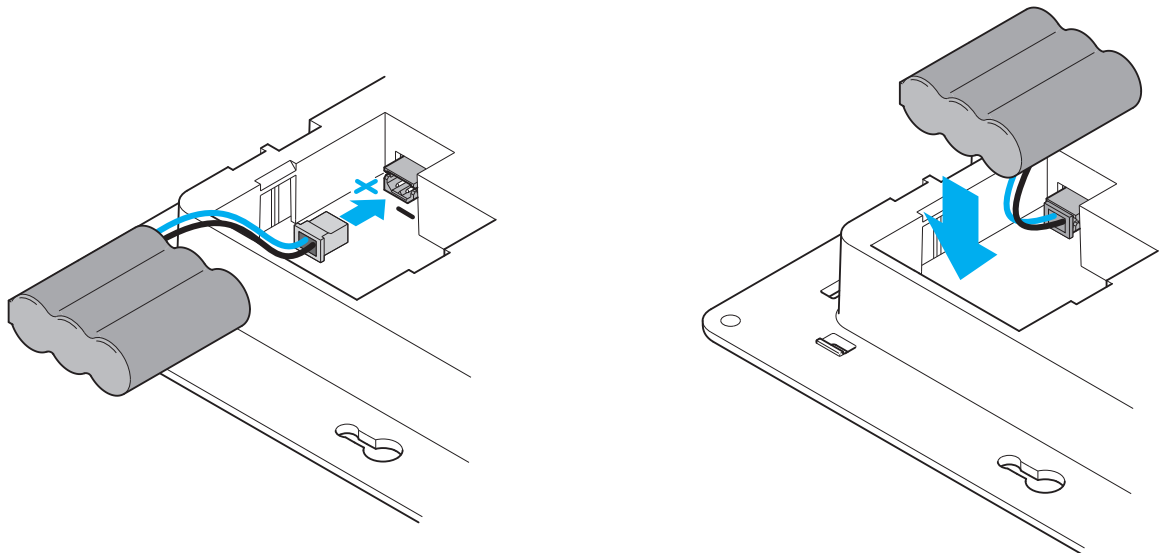# 3 - Installation

3.1 - Rear view of the Control Unit

Battery
housing

REMOTE

Made in Italy

legrand
SCS

BUS

OFF

ON

Slide switch
ON OFF

Remote
Connection

Reset
pushbutton

SCS Bus

Serial connector for
programming from PC
(with cable 0492 34)
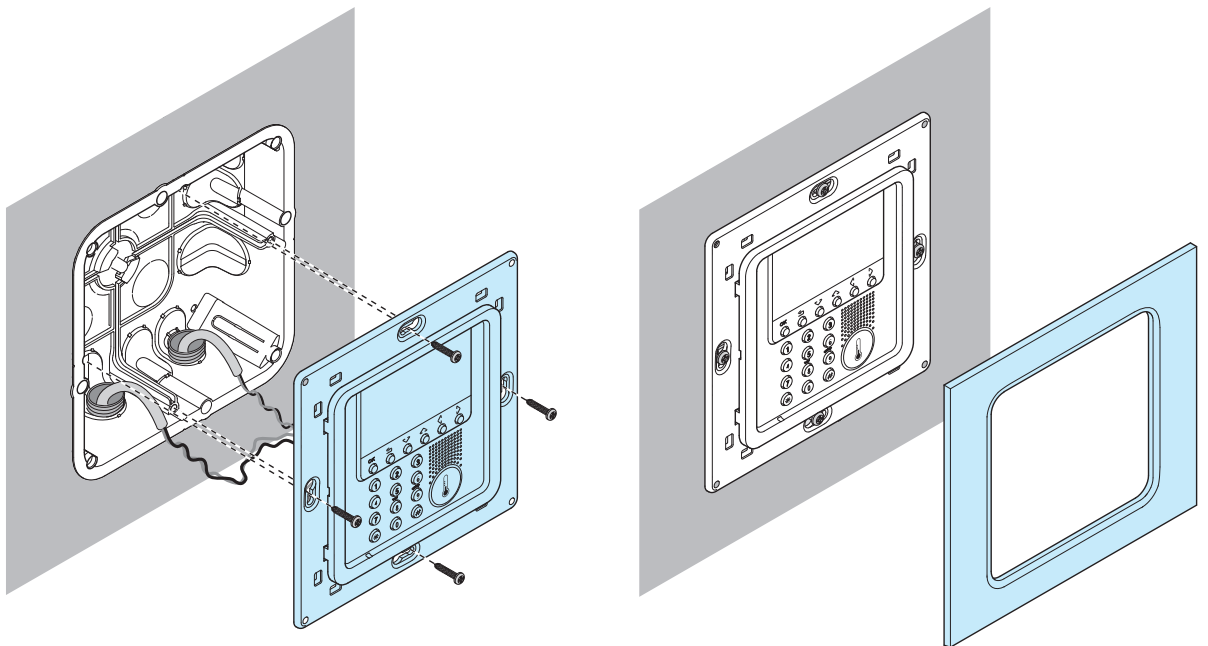
3 - Installation

3.2 - Connecting the battery

Connect the battery to the connector respecting the polarities indicated inside the housing.

3.3 - Installing the unit

After making all connections, fasten the Unit to the base. Be careful not to damage the wires.
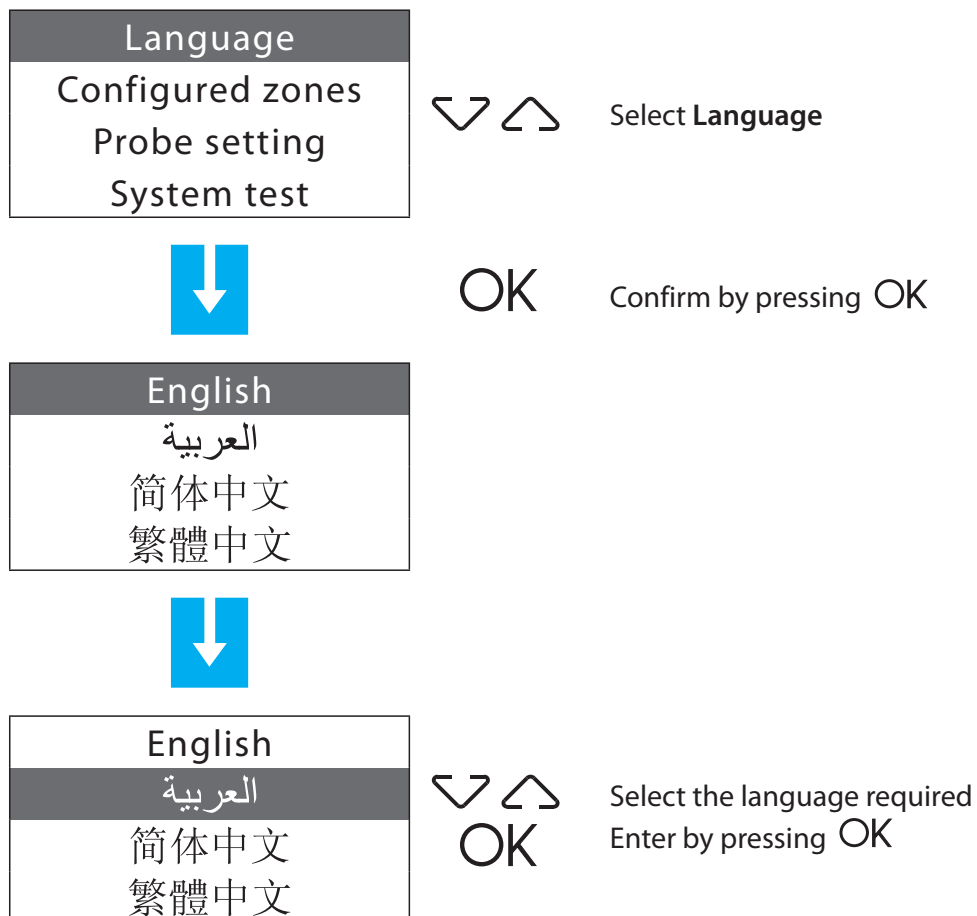
4 - Switching on for the first time

When the Control Unit is switched on for the first time it shows the Maintenance menu with the **Language** function highlighted.

To activate the Control Unit and make it operational:

- Select the **Language**.
- Perform the zone learning - **Zone search**.
- Configure the zone **Actuators**.
- Configure the zone **Pumps**.
- Enter time and date.
- Define the system state (Summer/Winter).

4.1 - Selecting the language

Use this function if the language preset in the factory is not that required:

Language
Configured zones
Probe setting
System test

▽△　Select **Language**

⬇

OK　Confirm by pressing OK

English
العربية
简体中文
繁體中文

⬇

English
العربية
简体中文
繁體中文

▽△
OK　Select the language required
Enter by pressing OK

4 - Switching on for the first time

4.2 - Learning the zones

This function lets the Control Unit recognise all the system zones.

Language
Configure zones
Probe setting
System test
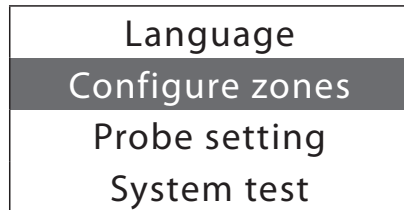
▽   Select **Configures zones**

⬇

OK   Confirm by pressing OK
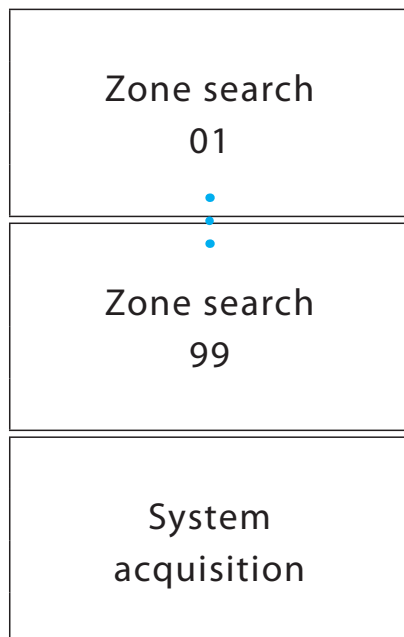
No zone configured
Zone search

The Control Unit signals "No zone configured" and that the "Zone search" can be performed

⬇

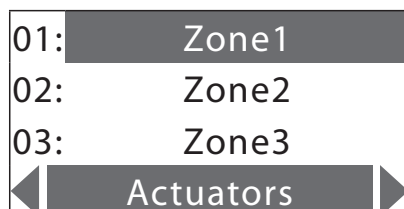OK   Confirm by pressing OK

Zone search 01

•
•

Zone search 99

The Control Unit searches the zones from 1 to 99. Depending on the size of the system, this operation may take a few minutes

System acquisition

⬇

When the search is completed it returns to the Configure zones menu

01:	Zone1
02:	Zone2
03:	Zone3
◀	Actuators ▶

4 - Switching on for the first time

4.3 - Configuring the zone actuators

This function completes the zone configuration, indicating:

- which actuators are installed for Heating;
- which actuators are installed for Cooling;
- which type of load the zone manages.

⚠️ *Only perform with Standard configuration (see Technical Guide)*

| 01: Living room |
| 02: Zone2 |
| 03: Zone3 |
| ◄ Actuators ► |

▽ △   Select the **zone** (e.g. Living room)

⬇

OK   Confirm by pressing OK

| 01: Heating |
| 02: Heating |
| 03: Cooling |
| ◄ Not connected ► |

◁ ▷   *One of the following options can be selected for each actuator in the list:*

◄ Not connected ►   Not present on the system

◄ Heating ►   Is used to manage the Heating system

◄ Cooling ►   Is used to manage the Cooling system

◄ Heat. & cool. ►   Is used to manage both the Heating system and the Cooling system (e.g.: 2-pipe fan coil)

⬇

OK   Confirm by pressing OK

| 09: Not connected |
| H: ON/OFF |
| C: OPEN/CLOSE |
| ◄ FAN–COIL 3V ► |

▽ △   *The last two items of the menu can select the type of load managed*

⬇

NEXT

4 - Switching on for the first time

```
09:    Not connected
 H:       ON/OFF
 C:     OPEN/CLOSE
       FAN–COIL 3V
```

◁ ▷   *One of the following options can be selected for each operation:*

```
        FAN–COIL 3V
```
Fan-coil with control of one valve and selector switch up to 3 speeds

```
          ON/OFF
```
Load managed by just one contact (e.g. thermostatic valve)

```
        OPEN/CLOSE
```
Load managed by two interlocked relays (e.g.: motor-driven valve with opening contact and closing contact)

```
         GATEWAY
```
Interface for Climaveneta Fan-coil

↶   On pressing the ↶ key the configuration set is sent to the zone

```
        Zone test . . .
```

```
01:      Living room
02:         Zone2
03:         Zone3
           Pumps
```

↶   When the zone is configured press ↶ twice to return to the Main Menu

```
     Current profiles
      Programming
         Setup
       Maintenance
```

4 - Switching on for the first time

4.4 - Configuring the pumps

Can complete the zone configuration, indicating which pumps must control the zone and with how much delay.

⚠️ *This function can only be used if the probe is configured with the CEN configurator in socket P.*

01:	Living room
02:	Zone2
03:	Zone3
◄	Pumps ►

▽ △ Select the **Zone** (e.g.: Living room)

⬇️

OK Confirm by pressing OK

01:	Heating
02:	Heating
03:	Cooling
◄	Not connected ►

◁ ▷ One of the following options can be selected for each actuator in the list:

◄ Not connected ► Not present on the system or not managed by the zone selected

◄ Heating ► Is used to manage the Heating system

◄ Cooling ► Is used to manage the Cooling system

◄ Heat. & cool. ► Is used to manage both the Heating system and the Cooling system

⬇️

OK Confirm by pressing OK

09:	Not connected
H:	1
C:	0
◄	0 ►

▽ △ The last two items of the menu can select the delay in activating the pump

◁ ▷ Selects the minutes of delay

⬇️ NEXT

OK Press OK to confirm

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4 - Switching on for the first time

Zone test . . .

01: **Living room**
02:     Zone2
03:     Zone3
◄   **Pumps**   ►

On pressing the ⮌ key the configuration set is sent to the zone.
The control unit sends the configuration:

The following error message may be given

ERROR
Verify the
probe
configuration

Make sure that the probe is in configuration (P = CEN) and try again; if it is not in this configuration, it cannot be configured via the control unit

4 - Switching on for the first time

4.5 - Setting the Date and Time

Setting the Date/Time correctly is important for correct running of the set weekly programs.

Zone state Current profiles Programming **Setup**	Select **Setup**
⬇ OK	Confirm by pressing OK
Temperature Summer/Winter **Date/Time** Remote control	Select **Date/Time**
⬇ OK	Confirm by pressing OK
Time 0 6 : 2 7 Date 0 1 / 1 0 / 0 8	Type current Time and Date
⬇	
Time 1 1 : 3 0 Date 0 5 / 1 1 / 0 8	The ◁ ▷ keys move the selection by one digit The ▽ △ keys change the Time/Date line and vice versa
⬇	
Temperature Summer/Winter **Date/Time** Remote control	Confirm by pressing OK

4 - Switching on for the first time

4.6 - Setting the Summer/Winter system

Sets the mode of operation of the Cooling or Heating system.

⚠️ *Before performing the switching, perform all the operations necessary for the hydraulic system to work correctly.*

| Temperature |
| **Summer/Winter** |
| Date/Time |
| Remote control |

▽ △ Select **Summer/Winter**

⬇️ OK Confirm by pressing OK

| Operation: |
| Winter |
| |
| Summer |

The display indicates the current state: Winter

⬇️ OK Confirm by pressing OK

A BEEP signal that the modification has been made

| Operation: |
| Summer |
| |
| Winter |

The display indicates the new setting: Summer

⚠️ *After the switching the system is set on Antifreeze/Heat Protection mode.*

5 - Programming

5.1 - Programming from personal computer

Type of program

The Unit can be programmed by using the ThermoConfig software.
Programming from a PC requires a cable 0492 34, for the connection between the Unit 6-way connector and a PC USB port.

Connection is carried out as follows:

Use the maintenance code to enter the **Maintenance** using the Maintenance menu, take the Unit OFF the bracket.

Start **ThermoConfig** program.

Connect cable when requested and then follow the program procedure
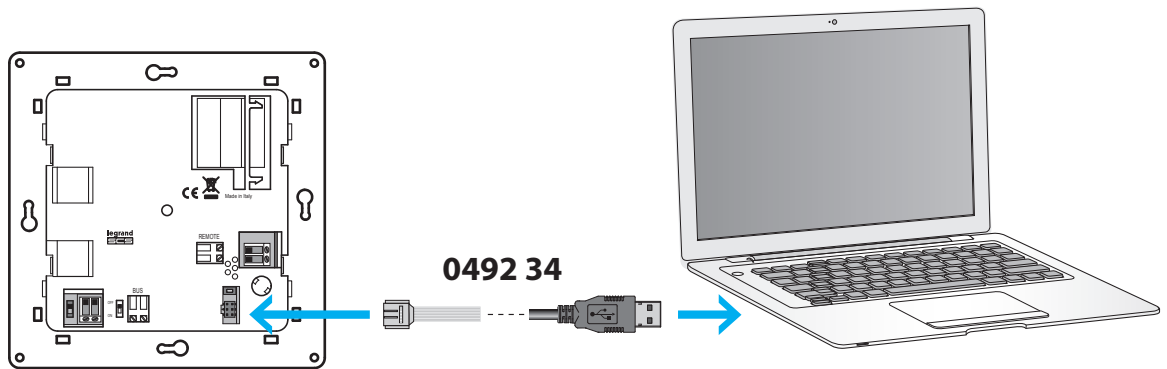
For further information, see ThermoConfig software manual.

Firmware update

This function allows updating the Unit software with its latest release. Such update allows bringing in improvements as well as new Unit functions.
The latest firmware releases are available at www.legrandelectric.com

> ⚠️ *Before starting the firmware updating procedure position the slide switch on OFF*

For further information, see ThermoConfig software manual.

6 - Main menu

Access to the Main Menu

After performing the operations described in the "Switching on for the first time" chapter, you can access the programming menus to perform a wide series of customisations which can exploit the features of the Temperature control unit to the full and satisfy user requirements.

There are two programming levels:

- **level 1** (user), gives access to all the menus apart from the **Maintenance menu**, where there are functions which are reserved to the installer or an expert user.
  Access to the user level can be protected by the **User code** (default disabled).

- **level 2** (installer), gives access to all the menus.
  Access to the installer level requires the **Maintenance code** (default **12345**).

⚠️ *When the access codes are modified, they should be given in the boxes below.*
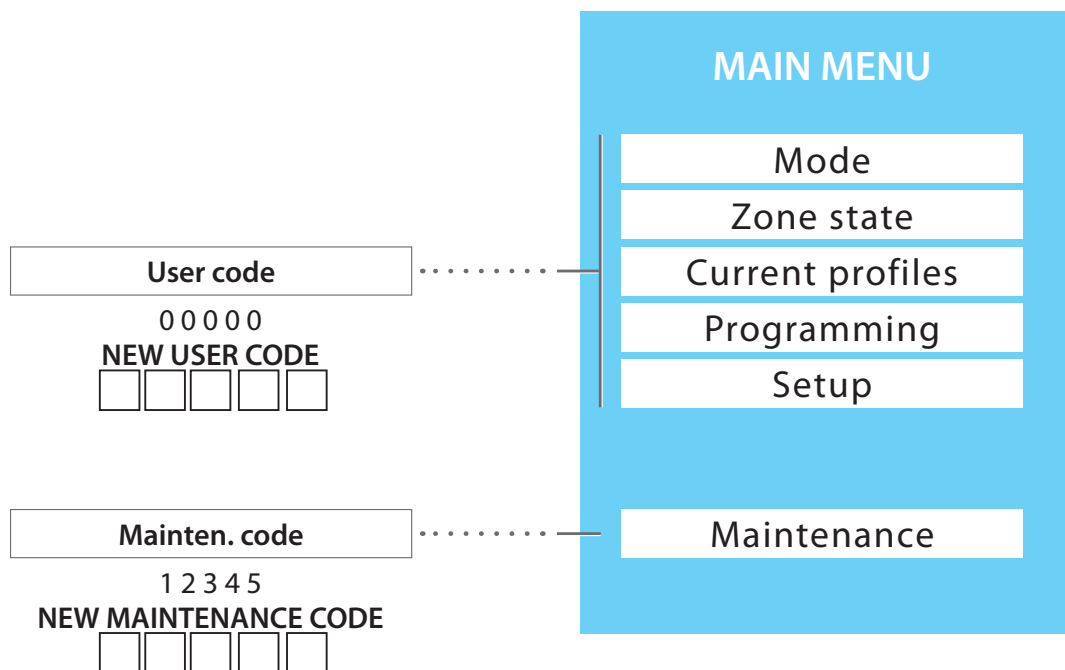
User code
0 0 0 0 0

NEW USER CODE

Mainten. code
1 2 3 4 5

NEW MAINTENANCE CODE

MAIN MENU

Mode
Zone state
Current profiles
Programming
Setup

Maintenance

⚠️ *To quit the Main Menu wait for 2 minutes without pressing any key or press the ↰ key.*

6 - Main menu

Main Menu tree
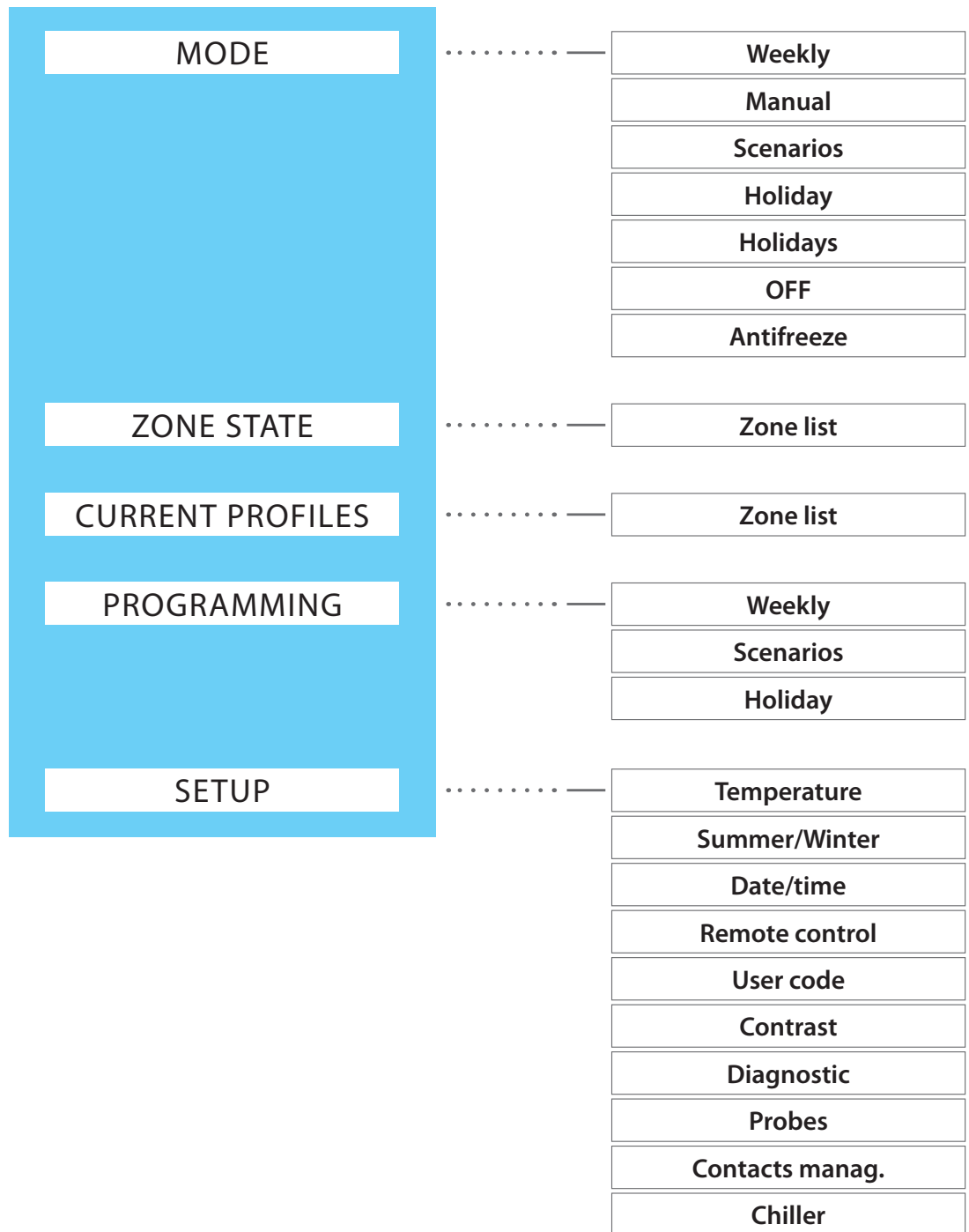
MODE	.... —	Weekly
		Manual
		Scenarios
		Holiday
		Holidays
		OFF
		Antifreeze

| ZONE STATE | .... — | Zone list |

| CURRENT PROFILES | .... — | Zone list |

PROGRAMMING	.... —	Weekly
		Scenarios
		Holiday

SETUP	.... —	Temperature
		Summer/Winter
		Date/time
		Remote control
		User code
		Contrast
		Diagnostic
		Probes
		Contacts manag.
		Chiller

⚠️ *To quit the Main Menu wait for 2 minutes without pressing any key or press the ↩ key.*

6 - Main menu

```
┌─────────────────────────┐
│     Enter code          │
│                         │
│     ********            │
│                         │
│                         │
└─────────────────────────┘
```

MAINTENANCE

Language
Configure zone
Probe setting
System test
Mainten. Code
Total reset
Automations

⚠️ *To quit the Main Menu wait for 2 minutes without pressing any key or press the ↰ key.*

6 - Main menu

| Mode | Zone state | Current profiles | Programming | Setup | Maintenance |
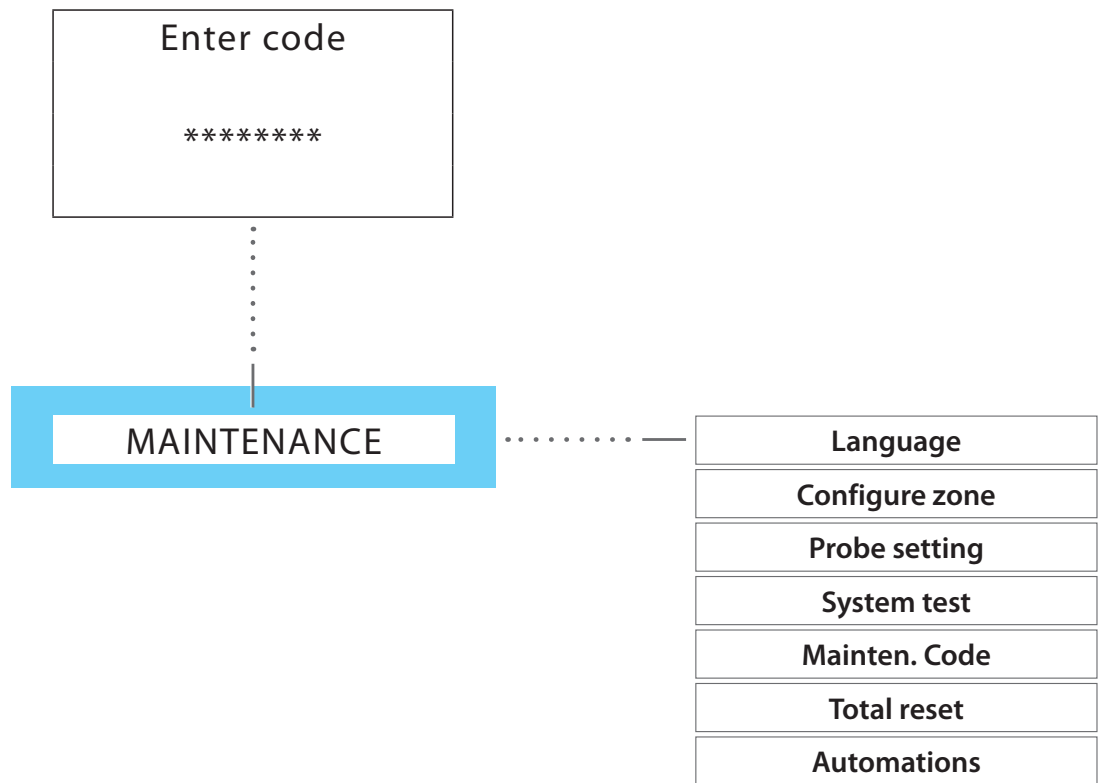
6.1 - Mode

This mode can select the mode of operation in every zone of the system; the active modes are identified by the highlighted identification code.

Active zones ———

01:	Weekly
02:	Manual
03:	Scenarios
04:	Holiday

To access the **Mode menu**:

Mode
Zone state
Current profiles
Programming

▽ △   Select **Mode**

⬇   OK   Confirm by pressing OK

01:	Weekly
02:	Manual
03:	Scenarios
04:	Holiday

▽ △   Select a mode
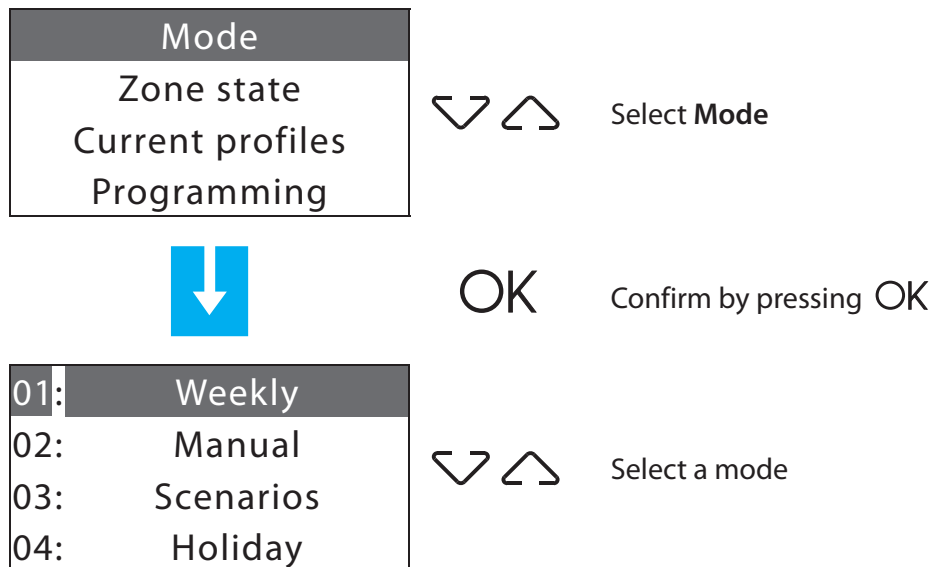
Modes of operation:

1 **Weekly** - 3 Winter programs, 3 Summer programs.

2 **Manual** - fixed temperature on the whole system or the individual zone.

3 **Scenarios** - 16 Winter scenarios and 16 Summer scenarios.

4 **Holiday** - "Holiday" program for each zone.

5 **Holidays** - system in antifreeze or heat protection until the date and time set.

6 **OFF** - one or more zones in OFF.

7 **Antifreeze** - one or more zones in Antifreeze or Heat protection.

6 - Main menu

6.1.1 - Weekly

Can set a weekly program selected from those programmed.

01:	**Weekly**
02:	Manual
03:	Scenarios
04:	Holiday

▽ △   Select **Weekly**

⬇   OK   Press OK to confirm

01:	Example
02:	**Week 2**
03:	Week 3
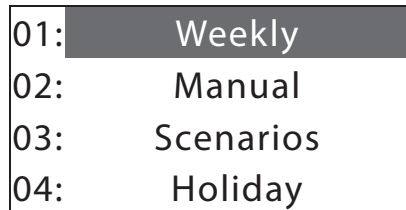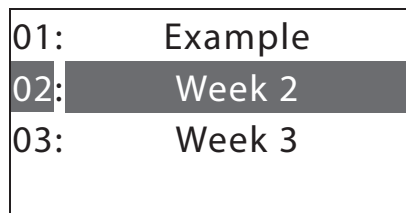
▽ △   Select the weekly program (e.g.: Week 2)

⬇   OK   Press OK to confirm

```
        ❄ ▃▅▇

     Week no. 2
 11:25  11-12-2008
```
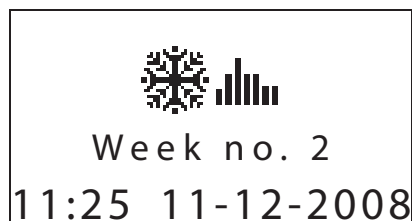
The initial page is displayed indicating the program set

6 - Main menu

6.1.2 - Manual

```
01:        Weekly
02:        Manual
03:        Scenarios
04:        Holiday
```
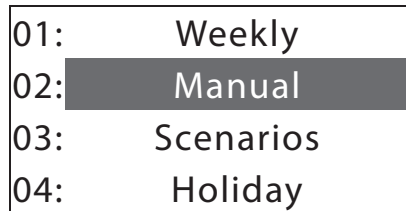
Can set a fixed temperature on the whole system or on the individual zone.

▽△ Select **Manual**

OK Press OK to confirm

```
    ALL ZONES
01:      Zone1
02:      Zone2
     Manual
```
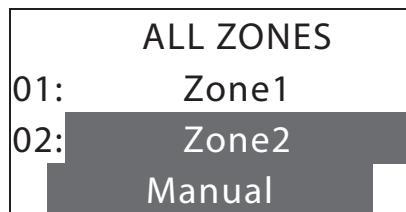
▽△ Select ALL ZONES or the zone required (e.g.: Zone 2)

OK Press OK to confirm

```
    Zone2
    Manual


    07.0
```
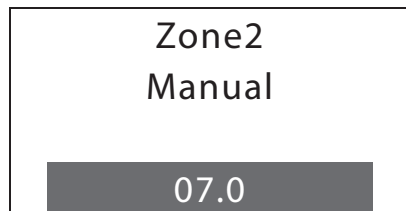
Type the temperature required using the number keys or using the ▽△ keys to increase the temperature displayed by ± 0.5°C

OK Press OK to confirm

```
    ALL ZONES
01:      Zone1
02:      Zone2
◁   Manual   ▷
```
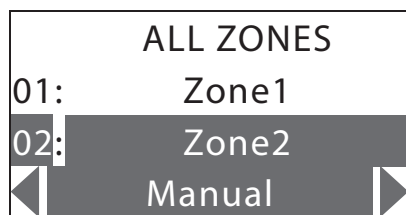
To place a zone set in Manual mode (number highlighted), in the normal mode of operation (general system mode) select it using the ◁ ▷ keys:

◁   Automatic   ▷

OK Press OK to confirm

↩ To return to the previous page, keep pressed to return to the first page

```
                    ᵐ
    ❄ ▪▫▪▫
    E x a m p l e
  11:27  11-12-2008
```
SOME ZONES
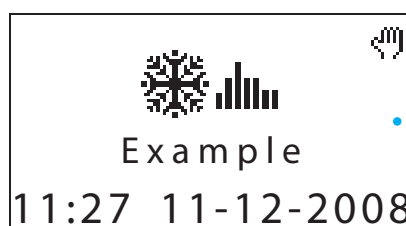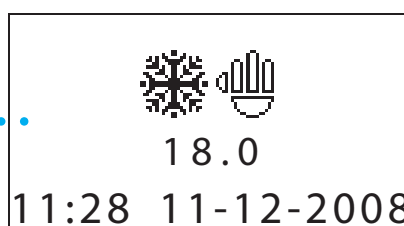
```
    ❄ ▫▪▫

    1 8 . 0
  11:28  11-12-2008
```
ALL THE ZONES

Depending on the selection made the first page is displayed

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6 - Main menu

6.1.3 - Scenarios

Can activate a previously programmed scenario.

01:	Weekly
02:	Manual
03:	Scenarios
04:	Holiday

▽ △ Select **Scenarios**

OK Press OK to confirm
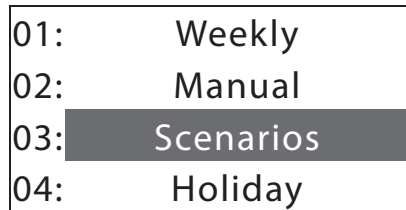
01:	Scenario n1
02:	Scenario n2
03:	Scenario n3
04:	Scenario n4
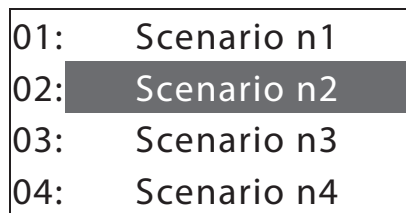
▽ △ Select the weekly program (e.g.: Scenario n2)

OK Press OK to confirm

Scenario n2
11:31 11-12-2008

Displays the first page indicating the scenario set

6 - Main menu

6.1.4 - Holiday

The Holiday mode can select a particular daily profile for a set period. The program is run until the programmed date and time, after which the weekly program chosen will be reset.

01:	Weekly
02:	Manual
03:	Scenarios
04:	**Holiday**

▽ △   Select **Holiday**
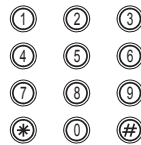
⬇   OK   Press OK to confirm

	up to
	0 0 : 0 0
	of
	2 4 / 1 2 / 2 0 0 8

Type date and time using the number keys

⬇   OK   Press OK to confirm

01:	Example
02:	**Week 2**
03:	Week 3

▽ △   Select the weekly program to be reset at the end of the Holiday (e.g.: Week 2)

⬇   OK   Press OK to confirm

```
 1 2 : 3 0   2 4 - 1 2 - 0 8
11:31  11-12-2008
```

Displays the first page indicating the program set

6 - Main menu

6.1.5 - Holidays

This mode keeps the system in Antifreeze or Heat protection until the set date and time, after which the weekly program chosen will be reset.

- Antifreeze 7°C (for the heating function)

- Heat protection 35°C (for the air conditioning function).
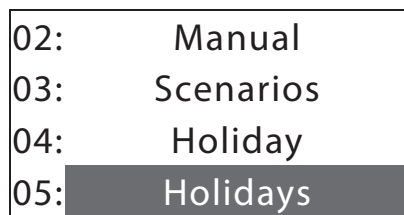
02: Manual 03: Scenarios 04: Holiday 05: **Holidays**	▽ △	Select **Holidays**
⬇	OK	Press OK to confirm
up to 0 0 : 0 0 of 2 4 / 1 2 / 2 0 0 8	(number keypad)	Type date and time using the number keys
⬇	OK	Press OK to confirm
01: Example 02: Week 2 03: Week 3	▽ △	Select the weekly program to be reset at the end of the Holiday program (e.g.: Week 2)
⬇	OK	Press OK to confirm
❄ 🏠 08:30 07-01-09 08:30 23-12-2008		*Displays the first page indicating the program set*
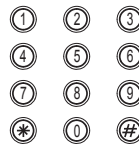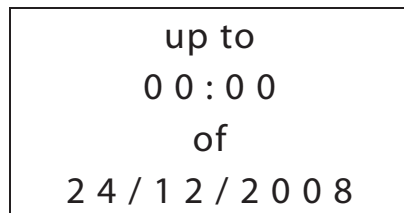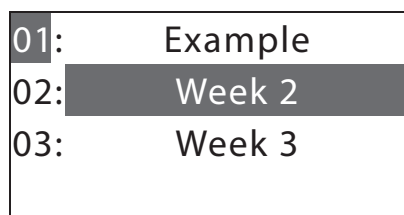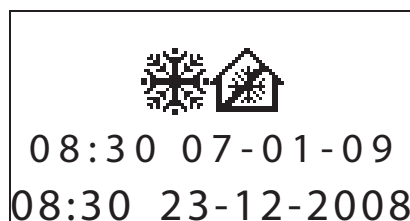
6 - Main menu

6.1.6 - OFF

Can put all or some of the system zones in the OFF state, until one of the other modes is reset.
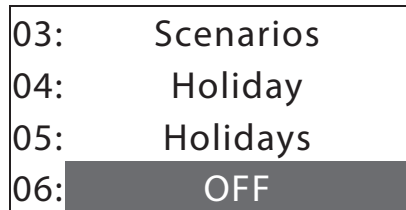
03: Scenarios 04: Holiday 05: Holidays 06: OFF	▽△ Select **OFF**
↓	OK Press OK to confirm
ALL ZONES 01: Zone1 02: Zone2 Manual	▽△ Select ALL THE ZONES or the Zone required (e.g.: Zone 2)
↓	OK Press OK to confirm
ALL ZONES 01: Zone1 02: Zone2 Automatic	To put a zone set in OFF mode (number highlighted) in the normal mode of operation (general system mode), press OK
↓	↩ To return to the previous page, keep pressed to return to the first page
Example 11:31 11-12-2008	*The initial page is displayed. The presence of the icon indicates that the mode is only active in some Zones*
11:26 01-10-2008	*If the mode is active on ALL THE ZONES the first page displays "System off"*
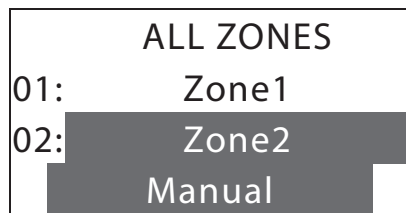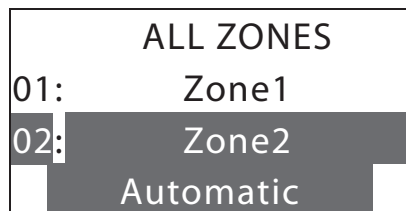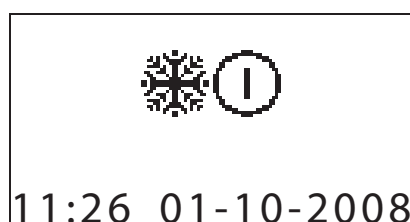
31

6 - Main menu

6.1.7 - Antifreeze / Heat protection

Can set the antifreeze or heat protection temperature in some or all of the system zones as a function of the type of operation active.

04:	Holiday
05:	Holidays
06:	OFF
07:	Antifreeze

▽ △   Select **Antifreeze/Heat protection**

⬇   OK   Press OK to confirm

ALL ZONES	
01:	Zone1
02:	Zone2
Antifreeze	

▽ △   Select ALL THE ZONES or the Zone required (e.g.: Zone1)

⬇   OK   Press OK to confirm

ALL ZONES	
01:	Zone1
02:	Zone2
Automatic	
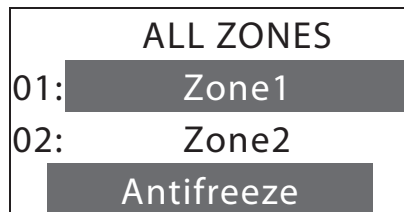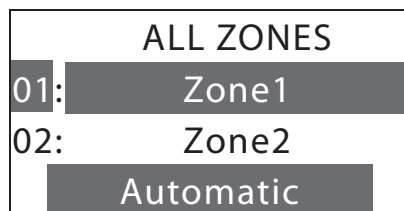
To put a zone set in Antifreeze mode (number highlighted) in the normal mode of operation (general system mode), press OK

↩   To return to the previous page, keep pressed to return to the first page

```
❄ ▁▂▃▄▅          ❄

    Example
11:26  01-10-2008
```

The initial page is displayed. The presence of the icon indicates that the mode is only active in some Zones

```
❄ 🏠


11:26  01-10-2008
```
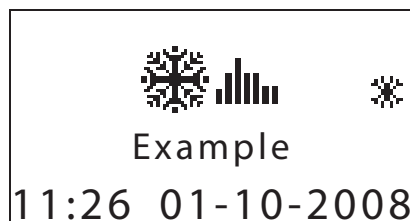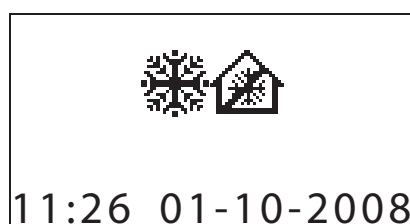
If the mode is active on ALL THE ZONES the first page displays "Antifreeze system"

6 - Main menu

6.2 - Zone state

Gives the temperature measured, the temperature set and the system state for each zone.
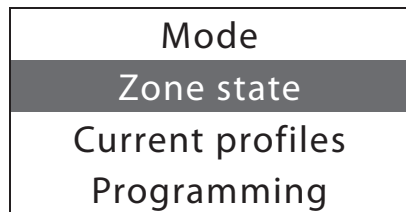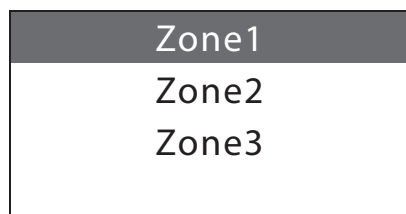
Mode
Zone state
Current profiles
Programming

▽ △   Select **Zone state**

OK   Press OK to confirm

Zone1
Zone2
Zone3

▽ △   Select the Zone required (e.g.: Zone1)

OK   Press OK to confirm

Diagnostic update . . .

Zone1	
Measured:	18.6°
Expected:	20.0°
State:	ON

The display shows the following information:
- Temperature measured in the zone
- Temperature set in the zone
- System state in the zone:
   ON = system ON
   OFF = system OFF
If the system has a FAN-COIL the fan speed is given as well.

Zone2	
Measured:	18.5°
Expected:	19.0°
State:	ON
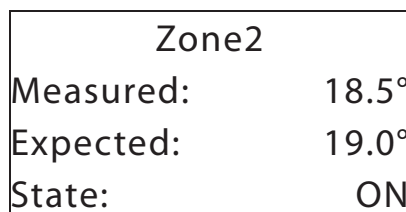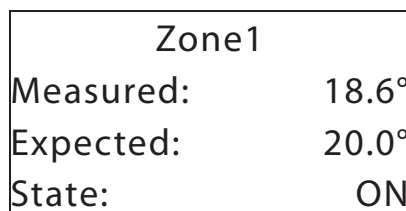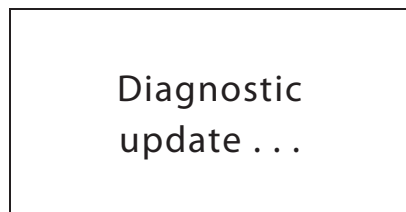
▽ △   Use the keys to select the other zones (e.g.: Zone2)

↩   Press ↩ for 2 seconds to return to the first page

6 - Main menu

6.3 - Current profiles

Checks the mode of operation and the profile set for each zone.
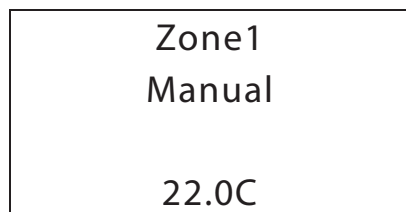
Mode
Zone state
Current profiles
Programming
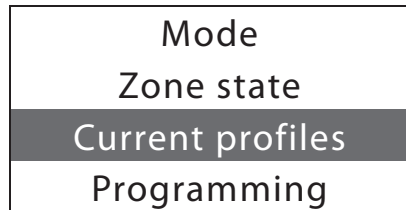
▽ △ Select **Current profiles**

OK Press OK to confirm
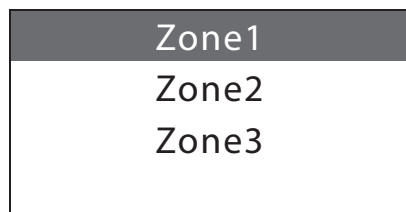
Zone1
Zone2
Zone3

▽ △ Select the Zone required (e.g.: Zone1)

OK Press OK to confirm

Zone1
Manual

22.0C

Zone2
Manual

20.0C

▽ △ Use the keys to select the other zones (e.g.: Zone2)

Example

0   6   12   18   24
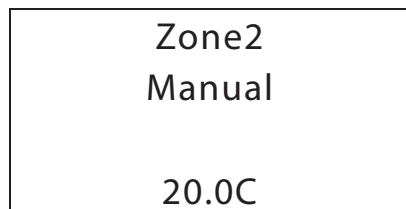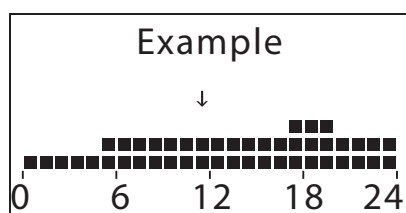
If the zone selected is in Weekly mode, the display of the heat profile set is displayed

↩ Press ↩ for 2 seconds to return to the first page

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6 - Main menu

6.4 - Programming

This menu programs the profiles for the system modes of operation.

To access the **Programming** menu:

Mode Zone state Current profiles Programming	▽ △	Select **Programming**
⬇	OK	Press OK to confirm
Weekly Scenarios Holiday	▽ △	Select a programming
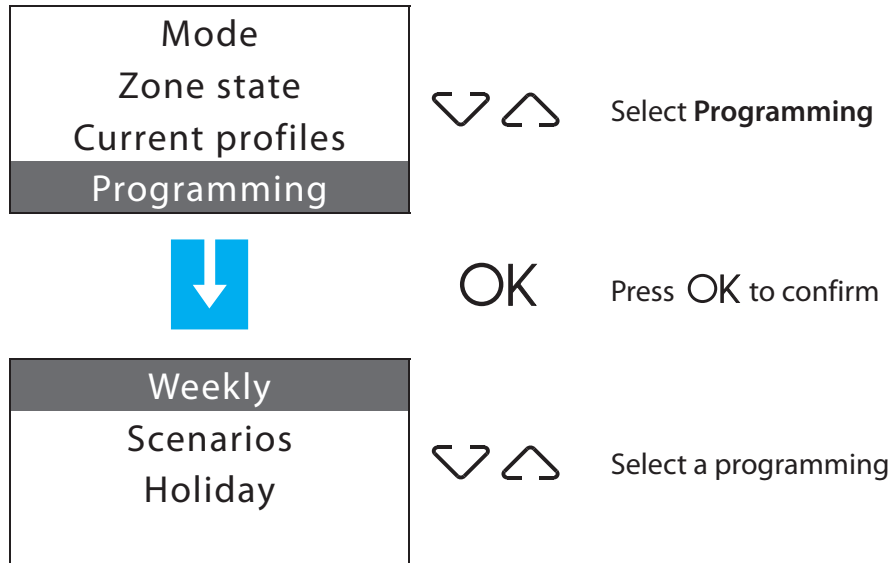
Programmings present:

- **Weekly** - 3 Winter programs, 2 Summer programs;
- **Scenarios** - 16 Winter scenarios and 16 Summer scenarios;
- **Holiday** - "Holiday" program for each zone.

6 - Main menu

6.4.1 - Weekly

Can create up to 3 weekly programs for each of the system modes of operation (heating and cooling). Different daily temperature profiles (0h – 24h) can be defined for each day and each zone.
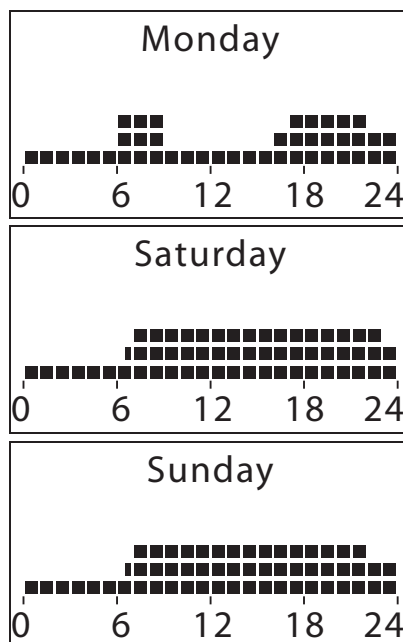
Weekly
Scenarios
Holiday

▽ △   Select **Weekly**

⬇   OK   Press OK to confirm

Example
Week no. 2
Week no. 3
Modify
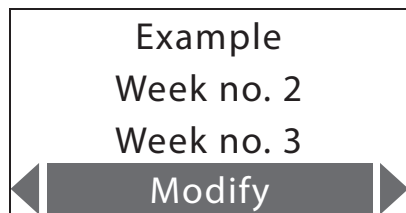
◁ ▷   The following functions are available for the program selected.
Use the ◁ ▷ keys to select Line Test:
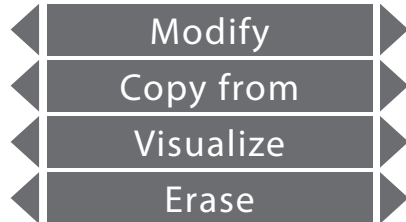
Modify	Can modify the weekly program
Copy from	Can copy a weekly program
Visualize	Can visualize the daily profiles associated with each zone
Erase	Can erase a weekly program

Note: the "Example" program is preset but can be modified

Monday — Friday

Saturday

Sunday

6 - Main menu

6.4.1.1 - Modify

This function can modify the weekly program selected, associating a daily profile to each zone.
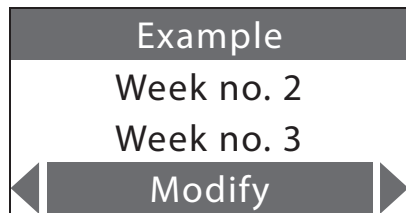
Example Week no. 2 Week no. 3 ◀ Modify ▶	▽ △ Select the program to be modified (e.g.: Example)

⬇   **OK**   Press OK to confirm
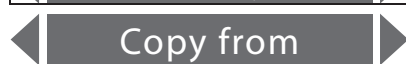
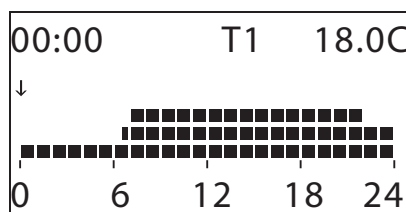|	
Friday Saturday **Sunday** ◀ Modify ▶ ◀ Copy from ▶	▽ △ Select the day of the week (e.g.: Sunday) The "**Copy from**"(day) function is also available for the day selected

⬇   **OK**   Press OK to confirm
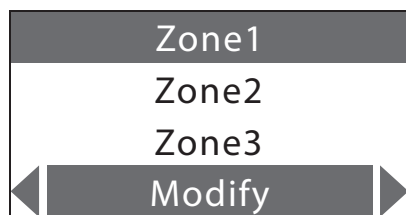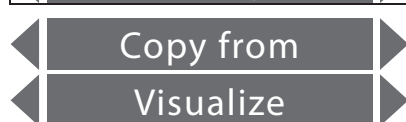
Zone1 Zone2 Zone3 ◀ Modify ▶ ◀ Copy from ▶ ◀ Visualize ▶	▽ △ Select the zone (E.g.: Zone 1) The "**Copy from**" (zone) and "**Visualize**" functions are also available for the zone selected

⬇   **OK**   Press OK to confirm

00:00 T1 18.0C ↓ ▪▪▪▪▪▪▪▪▪▪▪▪▪ ▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪ 0 6 12 18 24	The profile displayed can be modified using the cursor keys ◁ ▷ and ▽ △

For more information see the example on the next page.

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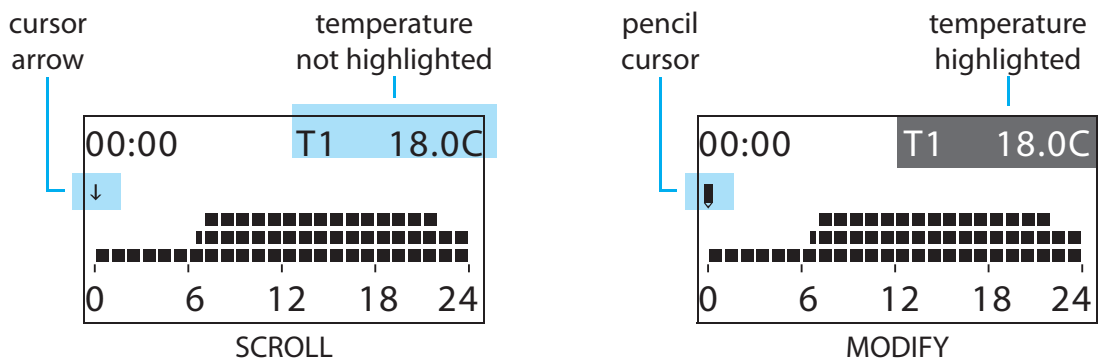| Mode | Zone state | Current profiles | **Programming** | Setup | Maintenance |

Modyfing a daily profile

The following information is shown on the display:

time corresponding to the cursor position → 00:00   T1   18.0C ← temperature levels

↓

T3
T2
T1

0   6   12   18   24

cursor   time axis
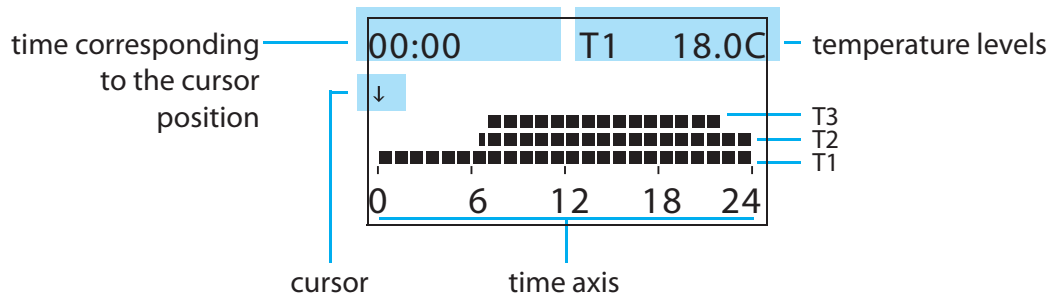
There are two modes of work:

cursor arrow   temperature not highlighted   pencil cursor   temperature highlighted

00:00   T1   18.0C

↓

0   6   12   18   24

SCROLL

00:00   T1   18.0C

0   6   12   18   24

MODIFY

How to use the cursor keys:

OK   ↰

OK
- Change from MODIFY mode to SCROLL.
- In SCROLL mode confirms quitting Modify

↰
- Returns to the previous page without saving

▽   △   - Change from SCROLL mode to MODIFY
- In the MODIFY mode scroll the three temperature levels

◁   ▷   - Move the cursor along the time axis

6 - Main menu

Example:

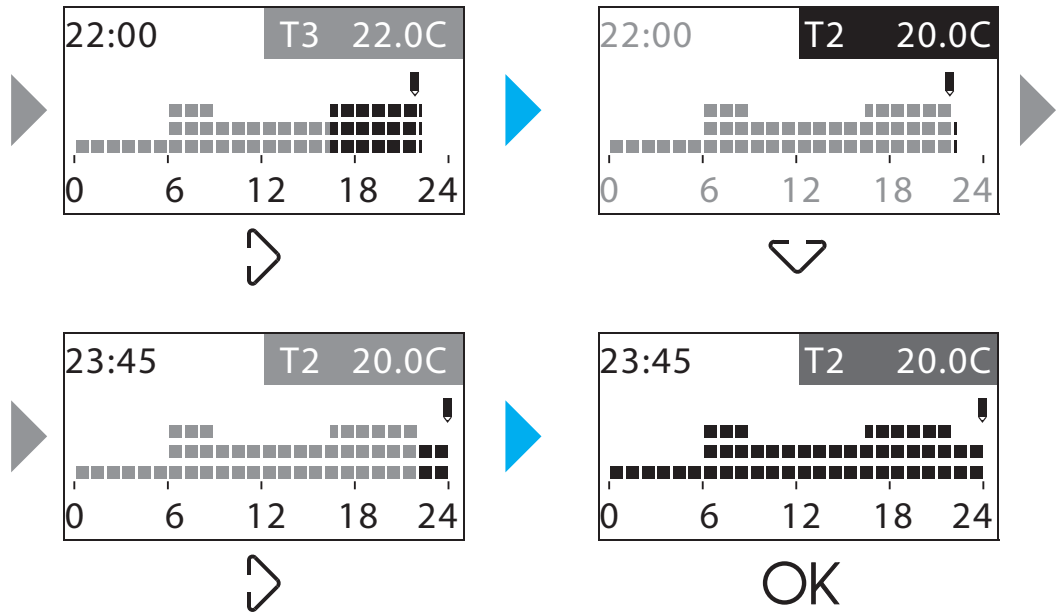writing the following daily temperature profile (Monday):

- from 00:00 06:00 - 18°C (T1)
- from 06:00 to 09:00 - 22°C (T3)
- from 09:00 to 16:30 - 20°C (T2)
- from 16:30 to 22:00 - 22°C (T3)
- from 22:00 to 24:00 - 20°C (T2)

Procedure:

	TEMPERATURE LEVEL SET	
	T1	**18°C**
	T2	**20°C**
	T3	**22°C**

6 - Main menu

22:00	T3 22.0C
0 6 12 18 24	

22:00	T2 20.0C
0 6 12 18 24	

23:45	T2 20.0C
0 6 12 18 24	

23:45	T2 20.0C
0 6 12 18 24	

OK
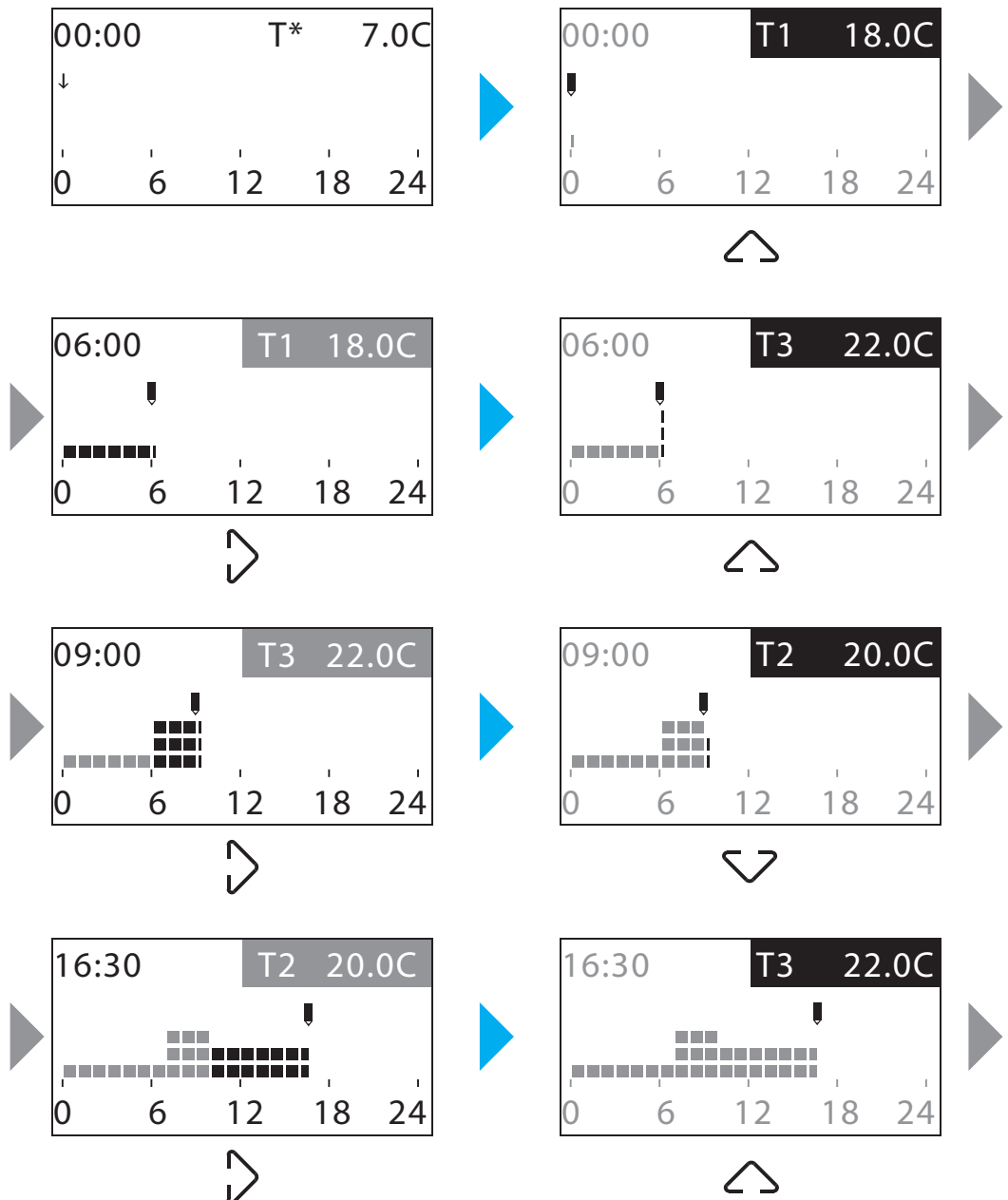
6 - Main menu

6.4.1.2 - Copy from (day)

Selecting the "Copy from" function a daily profile can be copied.
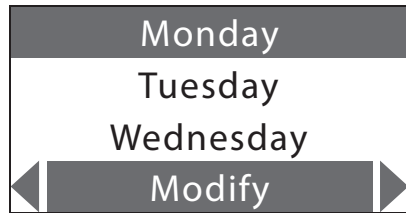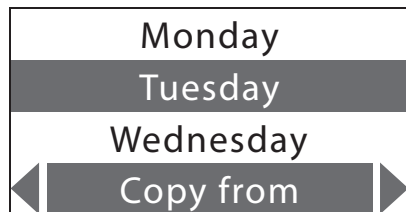
Monday **Tuesday Wednesday** ◄ Modify ►	◁ ▷	Select **Copy from**
↓		
Monday **Tuesday** Wednesday ◄ Copy from ►	▽ △	Select the day to be modified (e.g.: Tuesday)
↓	OK	Press OK to confirm
Monday Tuesday Wednesday Thursday	▽ △	Select the day to copy (e.g.: Monday)
↓	OK	Press OK to confirm
Copy from: Monday to: Tuesday		
↓		
Monday Tuesday Wednesday ◄ Copy from ►		
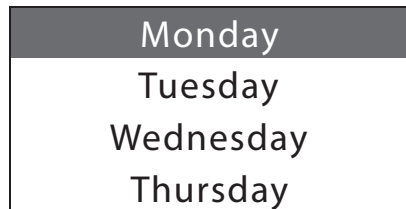
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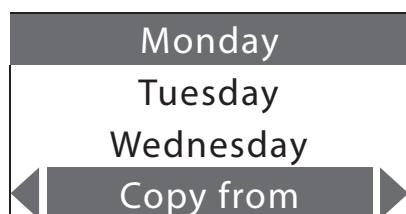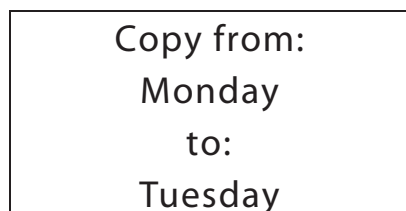
6 - Main menu

Copy from (zone)

Selecting the "Copy from" function the daily profile of a zone can be copied.

| Zona1 |
| Zona2 |
| Zona3 |
| Copy from |

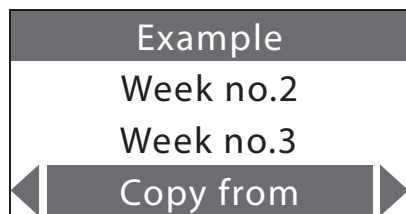Select the zone to be copied into

Press OK to confirm

| Zona1 |
| Zona2 |
| Zona3 |

Select the zone to copy

Press OK to confirm

| Zona1 |
| Zona2 |
| Zona3 |
| Copy from |
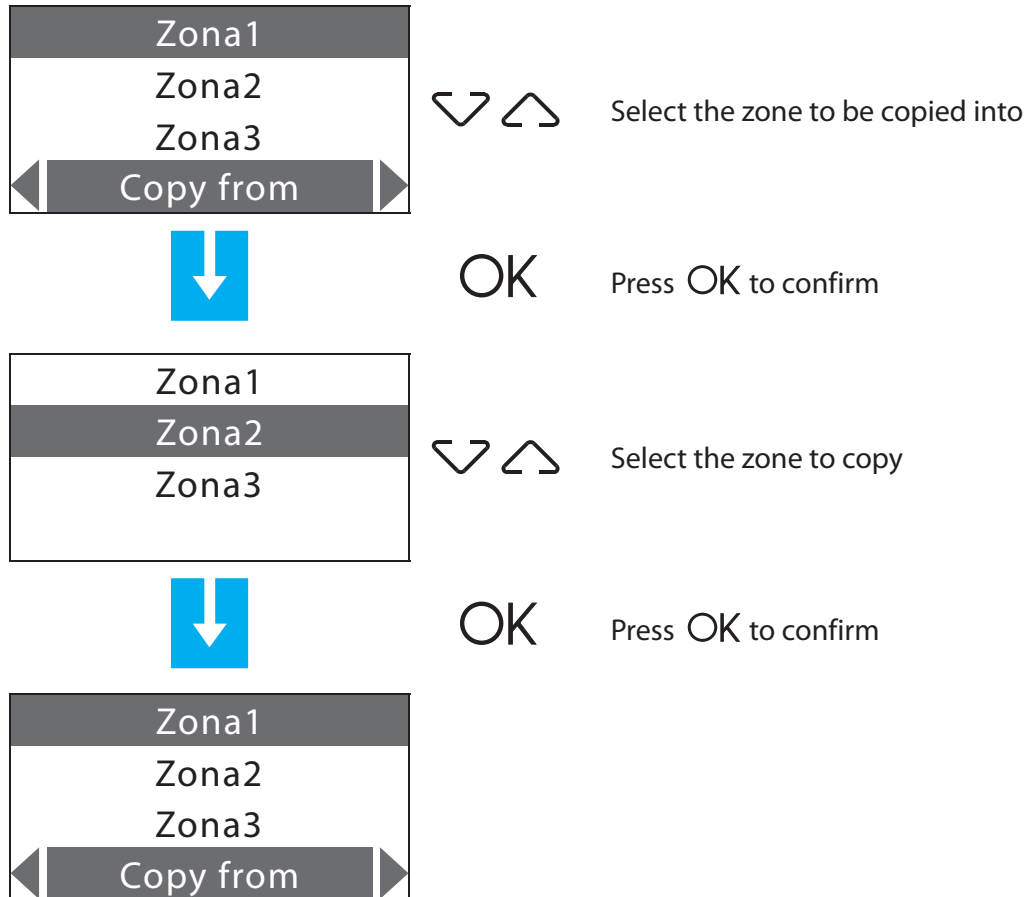
6 - Main menu

Copy from (weekly progam)

This function can copy a weekly program.

Example
Week no.2
Week no.3
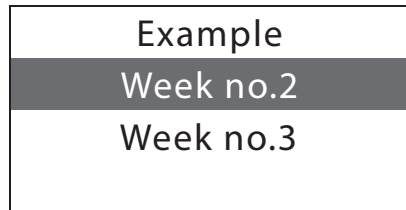
$\bigtriangledown\,\bigtriangleup$ Select the zone to be copied into

↓

OK Press OK to confirm

Example
Week no.2
Week no.3
◀ **Copy from** ▶

$\bigtriangledown\,\bigtriangleup$ Select the day to copy

↓

OK Press OK to confirm

Copy from:
Example
to:
Week no.2

↓

Example
Week no.2
Week no.3
◀ **Copy from** ▶
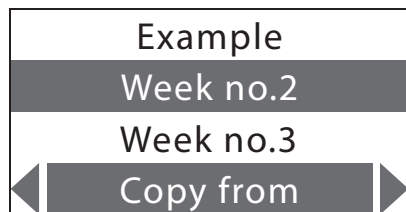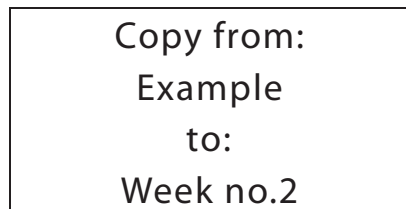
↩ Press ↩ for 2 seconds to return to the first page

6 - Main menu

6.4.1.3 - Visualize

This function can visualize the daily profiles associated with each zone.

Example
Week no.2
Week no.3
Visualize
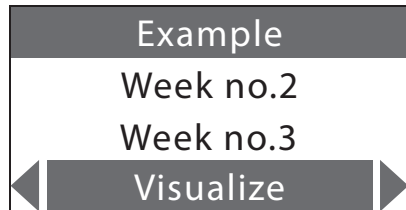
▽ △   Select the weekly program (e.g.: Example)

⬇

OK   Press OK to confirm

Sunday
Monday
Tuesday
Wednesday

▽ △   Select the day of the week (e.g.: Sunday)

⬇

OK   Press OK to confirm

Zone1
Zone2

▽ △   Select the zone (e.g.: Zone1)

⬇

Sunday

■■■■■■■■■■■
■■■■■■■■■■■■■■■■■■■■■■■■
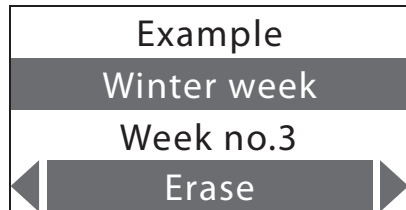0   6   12   18   24

↩   Press ↩ for 2 seconds to return to the first page

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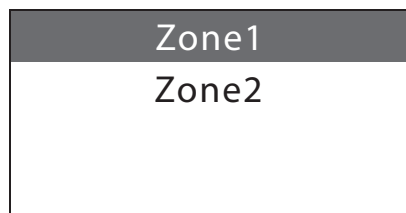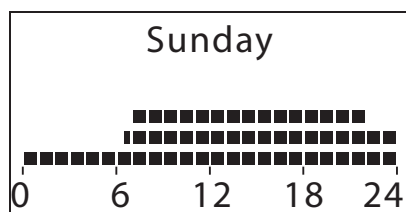
6 - Main menu

6.4.1.4 - Erase

This function can erase a weekly program resetting the default name, the profiles of all the zones and putting the program into antifreeze or heat protection.

Example
Winter week
Week no.3
◀ Erase ▶

▽ △   Select the program to be erased (e.g.: Winter week)

OK   Press OK to confirm

Erase
Winter week
◀ YES ▶

◁ ▷   Select **YES**

OK   Press OK to confirm

Erasing OFF
Winter week
in progress . . .
◀ YES ▶

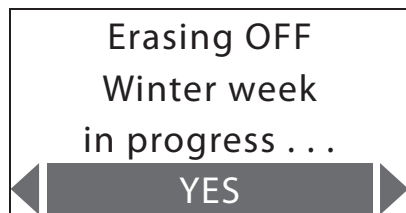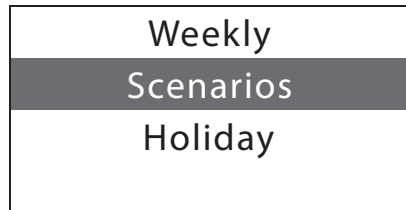| Example |
|---|
| Week no.2 |
| Week no.3 |
| ◀ Erase ▶ |
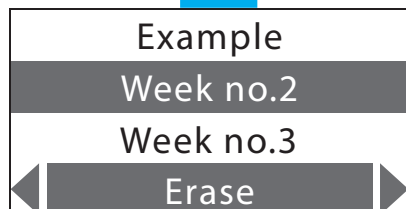
↰   Press ↰ to return to the previous page, keep pressed to return to the first page

6 - Main menu

6.4.2 - Scenarios

Can create 16 scenarios for the Winter working and 16 for the Summer working and for each of them set different temperatures in the various zones.
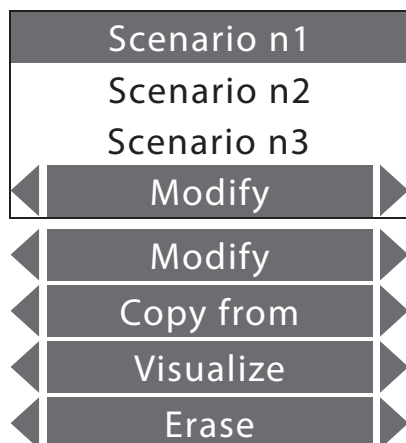
Weekly
Scenarios
Holiday

▽ △   Select **Scenarios**

⬇   OK   Press OK to confirm

Scenario n1
Scenario n2
Scenario n3
◀ Modify ▶

The following functions are available for the program selected:

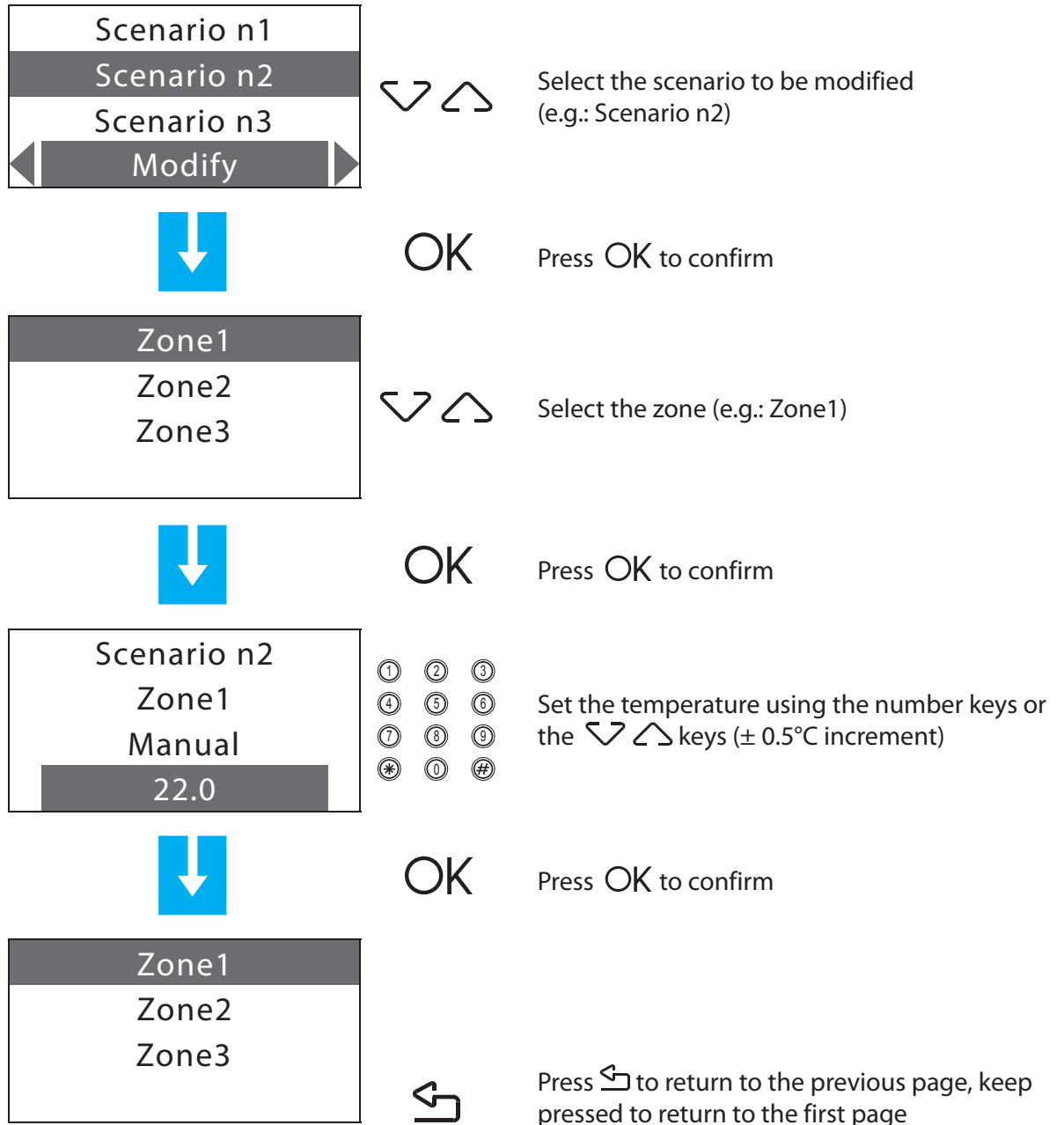| ◀ Modify ▶ | Can modify the scenarios |
◀ Copy from ▶	Can copy the scenarios
◀ Visualize ▶	Can display the temperature levels set
◀ Erase ▶	Can erase a scenario

Use the ◁ ▷ keys to select the function required.

6 - Main menu

6.4.2.1 - Modify

This function can modify the selected scenario associating a temperature level to each zone.

Scenario n1		
Scenario n2	▽ △	Select the scenario to be modified (e.g.: Scenario n2)
Scenario n3		
◀ **Modify** ▶		

⬇	OK	Press OK to confirm

Zone1		
Zone2	▽ △	Select the zone (e.g.: Zone1)
Zone3		

⬇	OK	Press OK to confirm

Scenario n2	① ② ③	
Zone1	④ ⑤ ⑥	Set the temperature using the number keys or
Manual	⑦ ⑧ ⑨	the ▽ △ keys (± 0.5°C increment)
22.0	✱ ⓪ #	

⬇	OK	Press OK to confirm

Zone1		
Zone2		
Zone3	↩	Press ↩ to return to the previous page, keep pressed to return to the first page

6 - Main menu

6.4.2.2 - Copy from

This function can copy a scenario (temperature level set for each zone).

Scenario n1
Scenario n2
Scenario n3
◄ Copy from ►
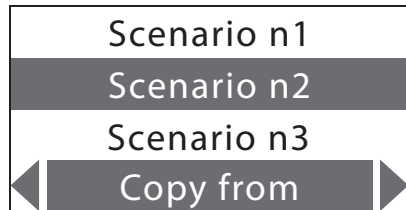
▽ △   Select the scenario to be copied into (e.g.: Scenario n2)

⬇   OK   Press OK to confirm

Scenario n1
Scenario n2
Scenario n3
Scenario n4
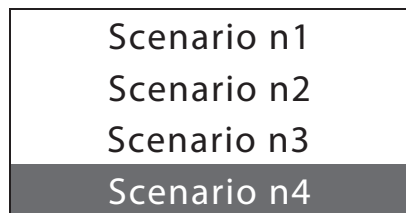
▽ △   Select the scenario to copy (e.g.: Scenario n4)

⬇   OK   Press OK to confirm

Scenario n1
Scenario n2
Scenario n3
◄ Copy from ►
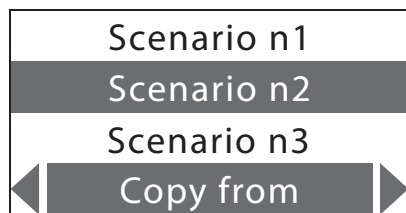
↩   Press ↩ to return to the previous page, keep pressed to return to the first page

6 - Main menu

6.4.2.3 - Visualize

This function can visualize the temperature level set for each zone.

Scenario n1 **Scenario n2** Scenario n3 ◄ **Visualize** ►	▽ △	Select the scenario to display (e.g.: Scenario n2)
⬇	OK	Press OK to confirm
Zone1 Zone2 Zone3	▽ △	Select the zone (e.g.: Zone1)
⬇	OK	Press OK to confirm
Scenario n4 Zone1 Manual 22.0	↩	Press ↩ to return to the previous page, keep pressed to return to the first page
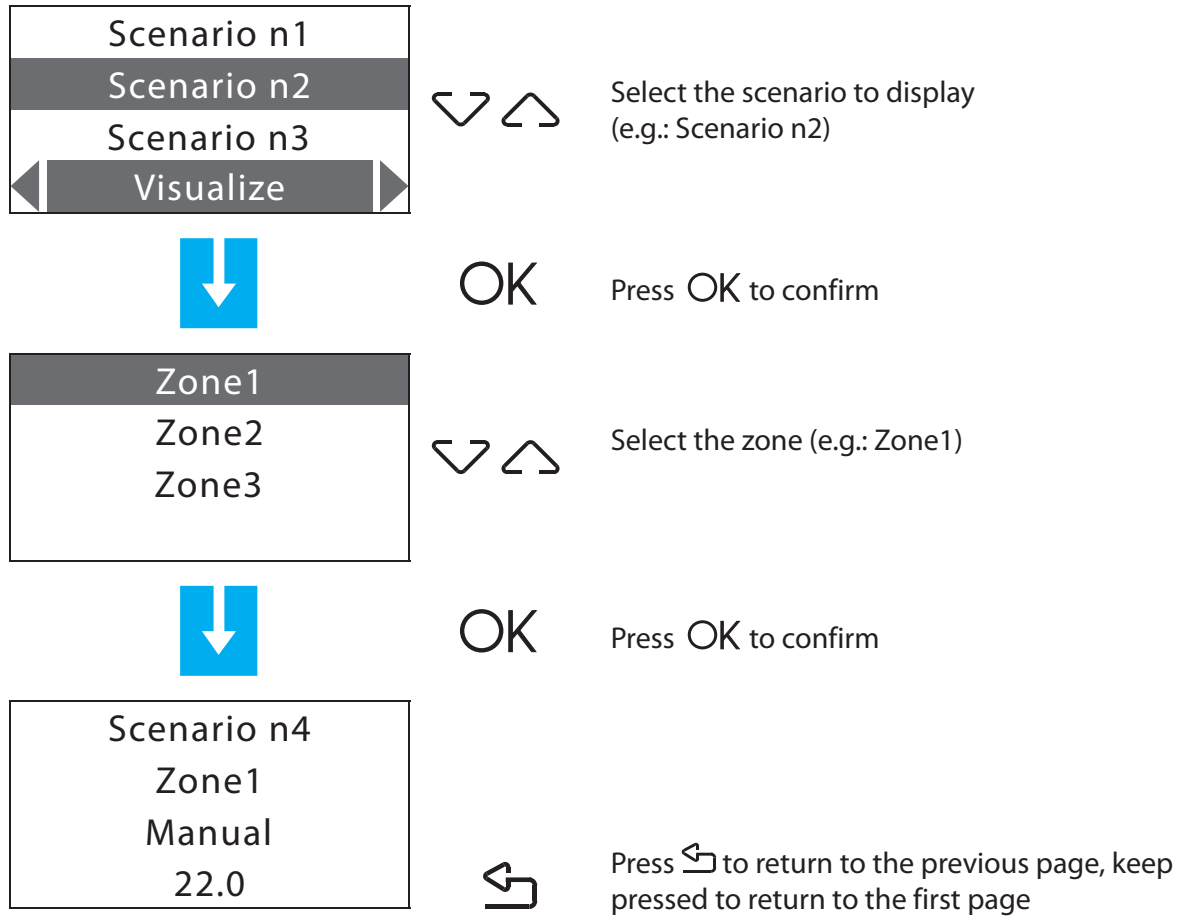
6 - Main menu

6.4.2.4 - Erase

This function can erase the selected scenario and reset the name and default temperatures (20°C for winter, 23°C for summer).

|		
Scenario n1 **Night** Scenario n3 ◄ **Erase** ►	▽ △	Select the scenario to be erased (e.g.: Night)
⬇	OK	Press OK to confirm
Erase Night ◄ **YES** ►	◁ ▷	Select **YES**
⬇	OK	Press OK to confirm
Scenario n1 **Scenario n2** Scenario n3 ◄ **Erase** ►	↰	Press ↰ to return to the previous page, keep pressed to return to the first page
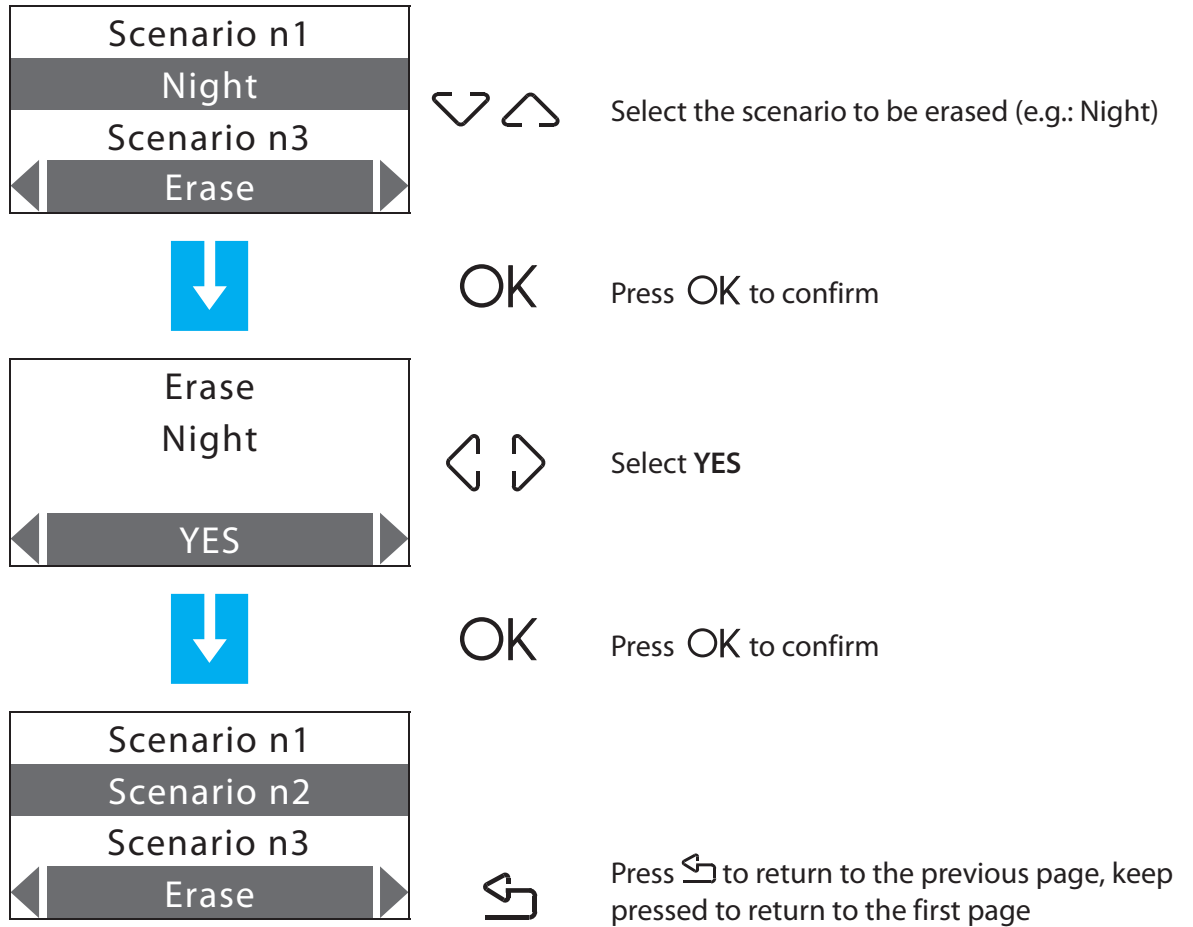
6 - Main menu

6.4.3 - Holiday

Can program a daily profile for each zone (as base the profile of the Sunday of the Example program is associated with each zone).
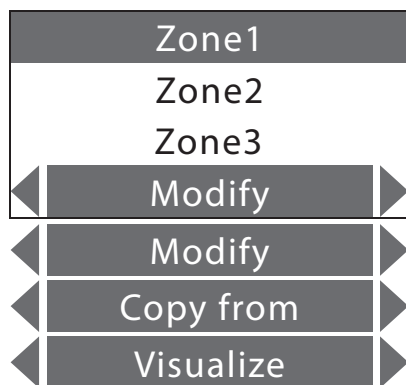
| Weekly |
| Scenarios |
| **Holiday** |

▽ △   Select **Holiday**

⬇   OK   Press OK to confirm

| **Zone1** |
| Zone2 |
| Zone3 |
| ◀ **Modify** ▶ |

The following functions are available for the program selected:

◀ **Modify** ▶   Can modify the daily profile of the individual zones

◀ **Copy from** ▶   Can copy the profile from another zone

◀ **Visualize** ▶   Can visualize the daily profile associated with the zone

Use the ◁ ▷ keys to select the function required.

6 - Main menu

6.4.3.1 - Modify

This function can modify the daily profile associated with a zone.
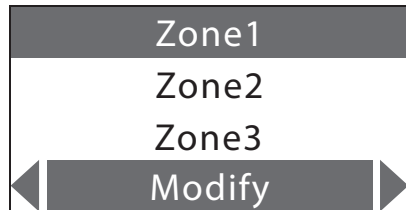
Zone1 / Zone2 / Zone3 / Modify	▽ △	Select the zone to be modified (e.g.: Zone1)
⬇	OK	Press OK to confirm
00:00 T1 18.0C ↓ (graph 0 6 12 18 24)	◁ ▷ OK ▽ △	Modify the daily profile
⬇		
21:00 T3 22.0C (graph 0 6 12 18 24)		
⬇	OK	Press OK to confirm
Zone1 / Zone2 / Zone3 / Modify	↩	Press ↩ to return to the previous page, keep pressed to return to the first page
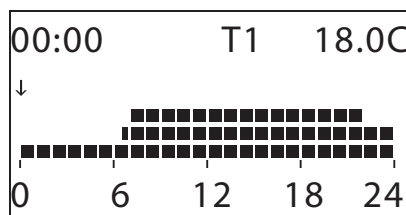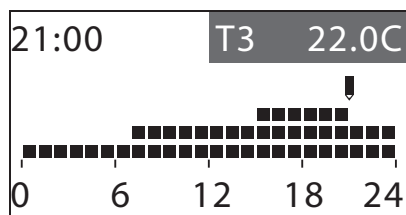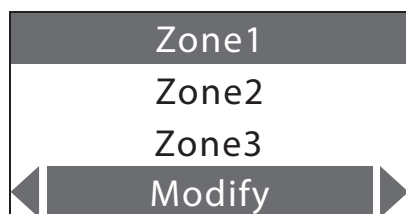
6 - Main menu

6.4.3.2 - Copy from

Can copy the daily profile from an already programmed zone.
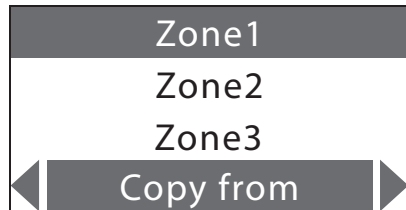
Zone1 Zone2 Zone3 ◄ Copy from ►	▽ △	Select the zone to be copied into (e.g.: Zone1)
⬇	OK	Press OK to confirm
Zone1 Zone2 Zone3	▽ △	Select the zone to copy (e.g.: Zone2)
⬇	OK	Press OK to confirm
Zone1 Zone2 Zone3 ◄ Copy from ►	↩	Press ↩ to return to the previous page, keep pressed to return to the first page
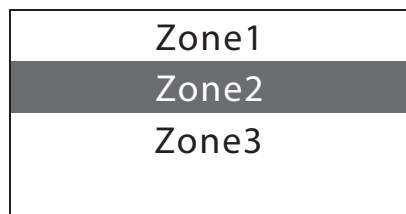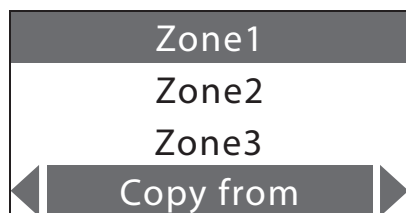
6 - Main menu

6.4.3.3 - Visualize

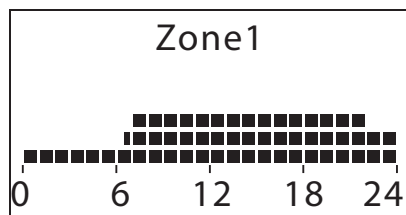This function can visualize the daily profile associated with each zone.
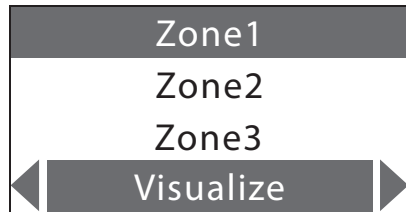
Zone1	▽ △	Select the zone to display into (e.g.: Zone1)
Zone2		
Zone3		
◀ Visualize ▶		
⬇	OK	Press OK to confirm
Zone1 0 6 12 18 24	↩	Press ↩ to return to the previous page, keep pressed to return to the first page

6 - Main menu

6.5 - Setup

This menu can modify the available settings.

To access the **Setup** menu:

Zone state Current profiles Programming **Setup**	▽ △	Select **Setup**
⬇	OK	Press OK to confirm
Temperature Summer/Winter Date/time Remote control	▽ △	Select a setting
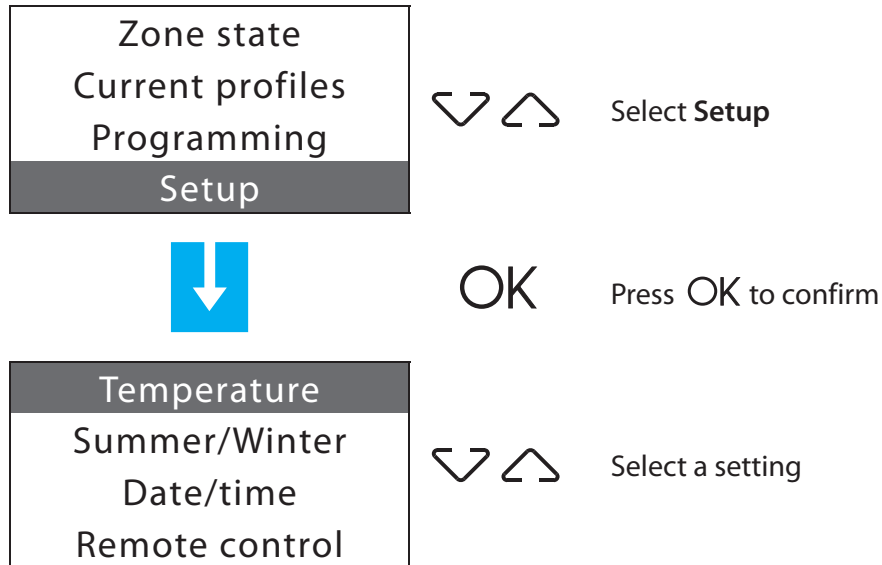
Settings present:

• **Temperatures** - temperature levels T1, T2, T3 and Antifreeze/Heat protection;

• **Summer / Winter** - system mode of operation;

• **Date / Time** - current date and time;

• **Remote control** - enable/disable remote control;

• **User code** - enable/disable and modify;

• **Contrast** - modify display contrast;

• **Diagnostics** - questioning and state of the system devices;

• **Probes** - query of the temperature probes and threshold adjustment;

• **Contacts management** - enables/disables the auxiliary contacts

• **Chiller** - query and status of the Climaveneta Chillers situated in the system.

6 - Main menu

6.5.1 - Temperatures

Can set the temperature levels T1, T2, T3 and Antifreeze/Heat protection (as base the same for all the zones) for each zone.

Temperature
Summer/Winter
Date/time
Remote control

▽ △   Select **Temperature**

OK   Press OK to confirm

ALL ZONES
Zone1
Zone2
Zone3

▽ △   Select ALL THE ZONES or the Zone required (e.g.: Zone 1)

OK   Press OK to confirm

T*	07.0C
T1	18.0C
T2	20.0C
T3	22.0C

▽ △   Select the temperature level to modify (e.g.: T1)

OK   Press OK to confirm

T*	07.0C
T1	18.0C
T2	20.0C
T3	22.0C

Type the temperature required using the number keys or using the ▽ △ keys to alter the temperature displayed by ± 0.5°C

Press OK to confirm or ↩ to return to the previous page, keep pressed to return to the first page

⚠ *The temperature values can be set from 3 to 40°C. To guarantee correct working of the system the control unit automatically makes sure that T3 is higher than T2 and T2 higher than T1.*

6 - Main menu

6.5.2 - Summer/Winter

Sets the mode of operation of the Cooling or Heating system.

Temperature
Summer/Winter
Date/time
Remote control
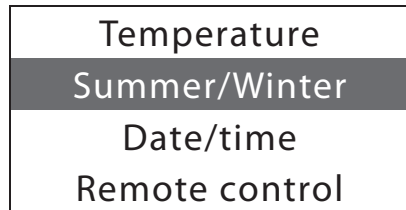
▽ △   Select **Summer/Winter**

⬇   OK   Press OK to confirm

Operation:
Winter
Summer

The display indicates the current state: Winter

⬇   OK   Press OK to confirm

Operation:
Summer
Winter

*A **BEEP** signals that the modification has been made the display indicates the new setting: **Summer***

⚠ *After the switching the system is set on Antifreeze/Heat Protection mode.*

Before performing the switching, perform all the operations necessary for correct working on the hydraulic system.

6 - Main menu

6.5.3 - Date/time

Sets the current date and time.
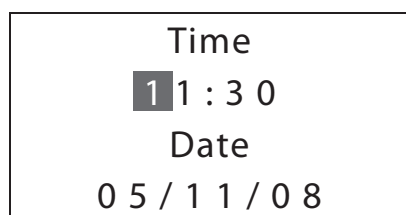Setting the **Date/time** correctly is important in running the weekly programs set correctly.
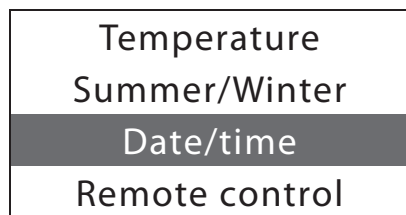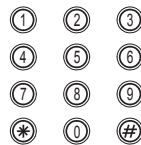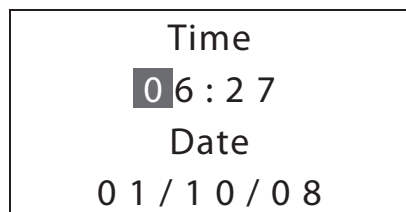
| Temperature |
| Summer/Winter |
| **Date/time** |
| Remote control |

Select **Date/time**

Confirm by pressing OK

| Time |
| **0** 6 : 2 7 |
| Date |
| 0 1 / 1 0 / 0 8 |

Type current Time and Date

| Time |
| **1** 1 : 3 0 |
| Date |
| 0 5 / 1 1 / 0 8 |

The ◁ ▷ keys move the selection by one digit

The ▽ △ keys change the Time/Date line and vice versa

Confirm by pressing OK

| Temperature |
| Summer/Winter |
| **Date/time** |
| Remote control |
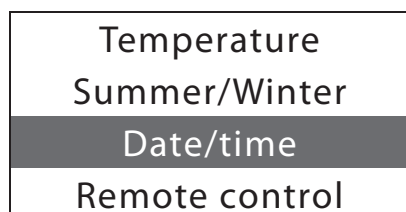
Press ↩ to return to the previous page, keep pressed to return to the first page

6 - Main menu

6.5.4 - Remote control

Can enable/disable the remote control for remote management (user) and remote after-sales service (installer) using portal. The remote management lets the user know and control the temperature of each zone remotely. The remote after-sales service lets the installer program the control unit and perform the system diagnostics remotely.
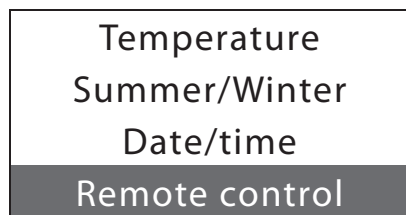
Temperature Summer/Winter Date/time **Remote control**	▽ △	Select **Remote control**
⬇	OK	Confirm by pressing OK
State: enable Disable		*The display indicates the current state: **enabled***
⬇	OK	Confirm by pressing OK
State: disabled Enable		*The display indicates the new setting: **disabled***

⚠ *As factory setting the remote control is enabled.*

To use the Colour Touch Screen (5739 60) enable the remote control. If the remote control is disabled the control unit does not manage the "Remote" contact and does not perform any command received from the bus.

6 - Main menu

6.5.5 - User code

Can enable/disable and customise the user code (as base **00000**).

Summer/Winter Date/time Remote control **User code**	▽ △	Select **User code**
⬇	OK	Confirm by pressing OK
State: disabled ◀ Enable ▶		*The display indicates the current state: **disabled***
⬇	OK	Press OK to confirm and change the state
Current: 00000 New: 00000	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⊛ ⓪ #⃝	Type the **New** code (five digits) or confirm the **Current** code
⬇	OK	Press OK to save
State: enabled ◀ Disable ▶		*The display indicates the new setting: **disabled*** ***From now on you must type the user code set to access the Main menu*** *The following functions are available:*
◀ Disable ▶		Can disable the User Code
◀ Modify ▶		Can modify the User Code
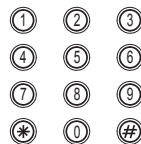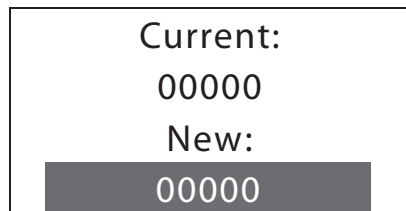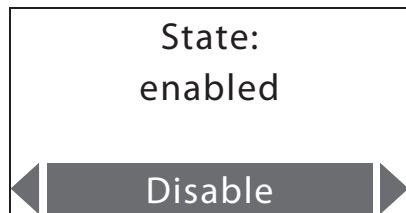
Use the ◁ ▷ keys to select the function required

⚠ ***If a new user code is set, make a note of it in the space on page 40 of the User Manual.***

6 - Main menu

6.5.6 - Contrast

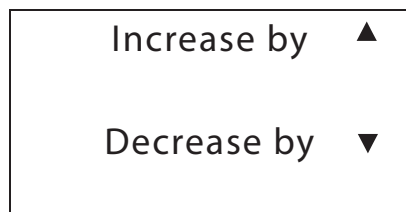Sets the level of contrast of the graphic display.
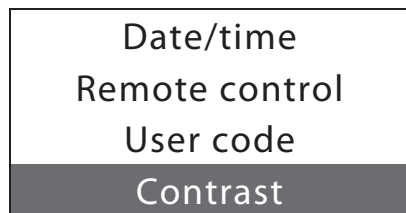
Date/time Remote control User code **Contrast**	▽ △	Select **Contrast**
⬇	OK	Confirm by pressing OK
Increase by ▲ Decrease by ▼	▽ △	Set the contrast level required
⬇	OK	Press OK to confirm
Date/time Remote control User code **Contrast**	↩	Press ↩ to return to the previous page, keep pressed to return to the first page
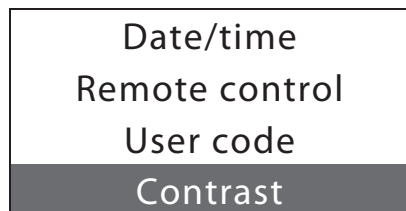
6 - Main menu

6.5.7 - Diagnostic

If there is a fault in one or more of the system zones it can check the devices installed in the individual zones.
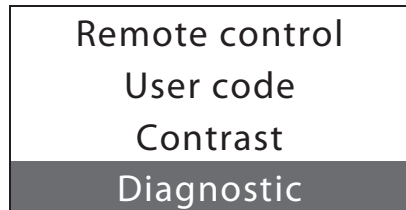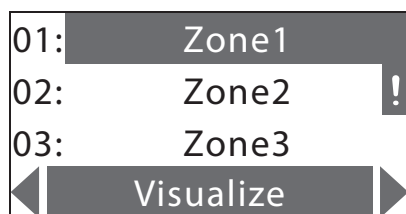
Remote control **User code** **Contrast** **Diagnostic**	▽ △	Select **Diagnostic**
⬇	OK	Press OK to confirm
Diagnostic **update . . .**		*The control unit automatically updates the system diagnostic state*
⬇		
01: Zone1 **02:** Zone2 ! **03:** Zone3 ◀ **Visualize** ▶	▽ △	Select the **zone** *The following functions are available for the zone selected:*
◀ **Visualize** ▶		Can visualize the state of the zone selected
◀ **Update** ▶		Can question the probe of the zone selected
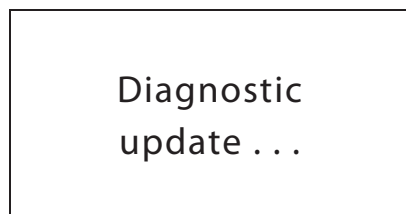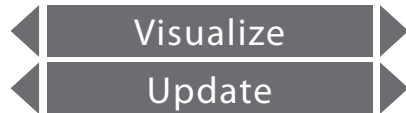
Use the ◁ ▷ keys to select the function required.

If Climaveneta Chillers are detected during the diagnostic phase, "CHILLER DIAGN." will appear, thus making it possible to verify their status.
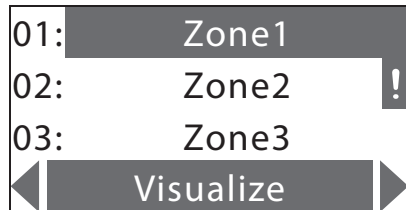
⚠ *The " ! " symbol identifies the zone where there are running problems.*

6 - Main menu

6.5.7.1 - Visualize

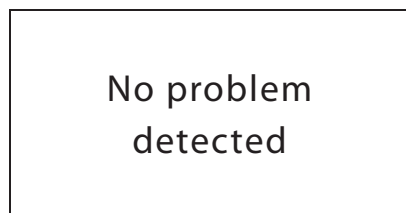Visualizes the diagnostic information of the zone required in detail.

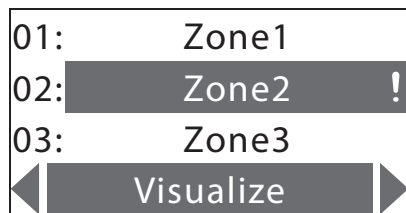| 01:	Zone1	
02:	Zone2	!
03:	Zone3	
	Visualize	

Select the zone (e.g.: Zone1)

Press OK to confirm

No problem
detected

The display indicates the zone state

Press ⮌ to return to the previous page

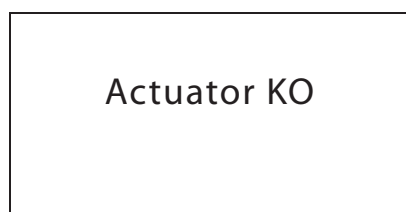| 01:	Zone1	
02:	Zone2	!
03:	Zone3	
	Visualize	

Select the zone (e.g.: Zone2)

Press OK to confirm

Actuator KO

The display indicates the zone state

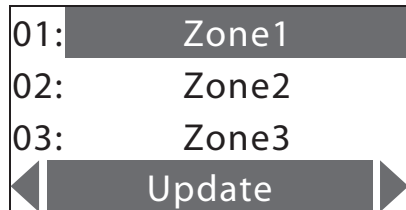Press ⮌ to return to the previous page, keep pressed to return to the first page

⚠ **To deal with any faults, consult the "Troubleshooting" section in this manual.**

6 - Main menu

6.5.7.2 - Update

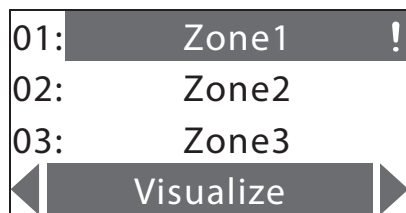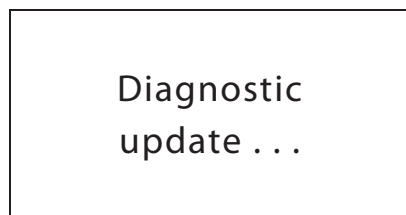Can question the probe to update the state of the zone selected.

```
01:          Zone1
02:          Zone2
03:          Zone3
◀          Update          ▶
```

▽ △   Select the zone (e.g.: Zone1)

⬇

OK   Press OK to confirm

```
    Diagnostic
    update . . .
```

⬇

```
01:          Zone1      !
02:          Zone2
03:          Zone3
◀          Visualize          ▶
```
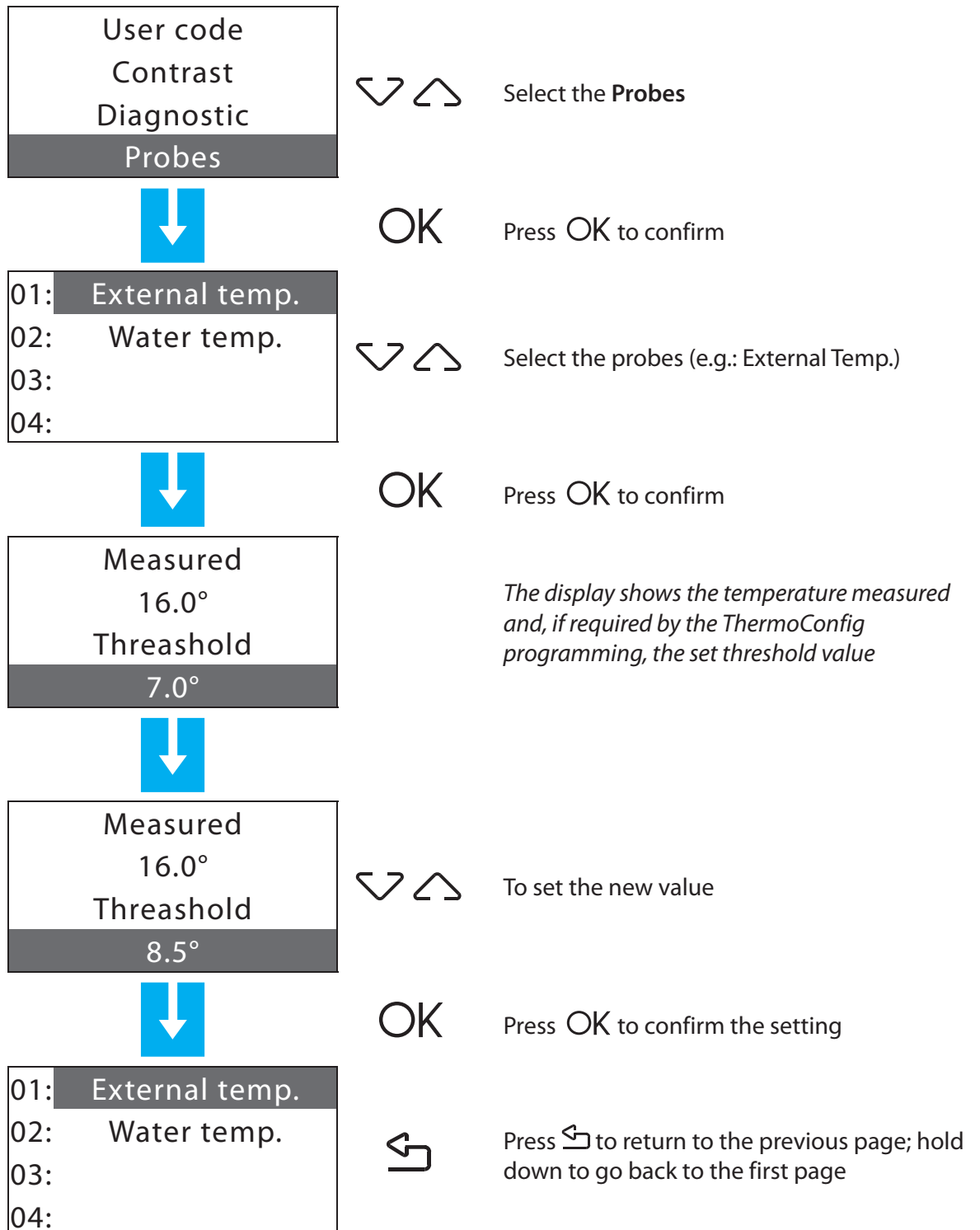
↩   Press ↩ to return to the previous page, keep pressed to return to the first page

6 - Main menu

6.6 - Probes

Displays the list of the probes configured through the ThermoConfig software and changes its set threshold value.

User code Contrast Diagnostic **Probes**	▽△ Select the **Probes**
⬇	OK Press OK to confirm
01: **External temp.** 02: Water temp. 03: 04:	▽△ Select the probes (e.g.: External Temp.)
⬇	OK Press OK to confirm
Measured 16.0° Threshold **7.0°**	*The display shows the temperature measured and, if required by the ThermoConfig programming, the set threshold value*
⬇	
Measured 16.0° Threashold **8.5°**	▽△ To set the new value
⬇	OK Press OK to confirm the setting
01: **External temp.** 02: Water temp. 03: 04:	↰ Press ↰ to return to the previous page; hold down to go back to the first page

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6 - Main menu

6.7 - Contacts management

Enables/disables the management of the auxiliary contacts (e.g. window contacts).

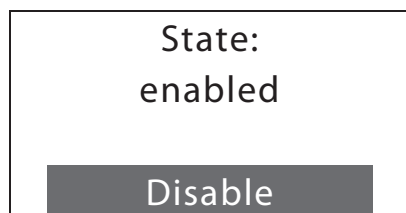| Contrast |
| Diagnostic |
| Probes |
| **Contacts manag.** |

▽ △   Select the **Contacts manag.**

⬇

OK   Press OK to confirm

| State: |
| disabled |
| |
| **Enable** |

⬇

OK   Press OK to change the current setup

| State: |
| enabled |
| |
| **Disable** |

⬇

↩   Press ↩ to return to the previous page; hold down to go back to the first page

| Contrast |
| Diagnostic |
| Probes |
| **Contacts manag.** |

66

6 - Main menu

6.8 - Chiller

This menu appears entirely if one or more Climaveneta Chillers have been detected in the system. Allows you to change the settings of the Chillers in the system.
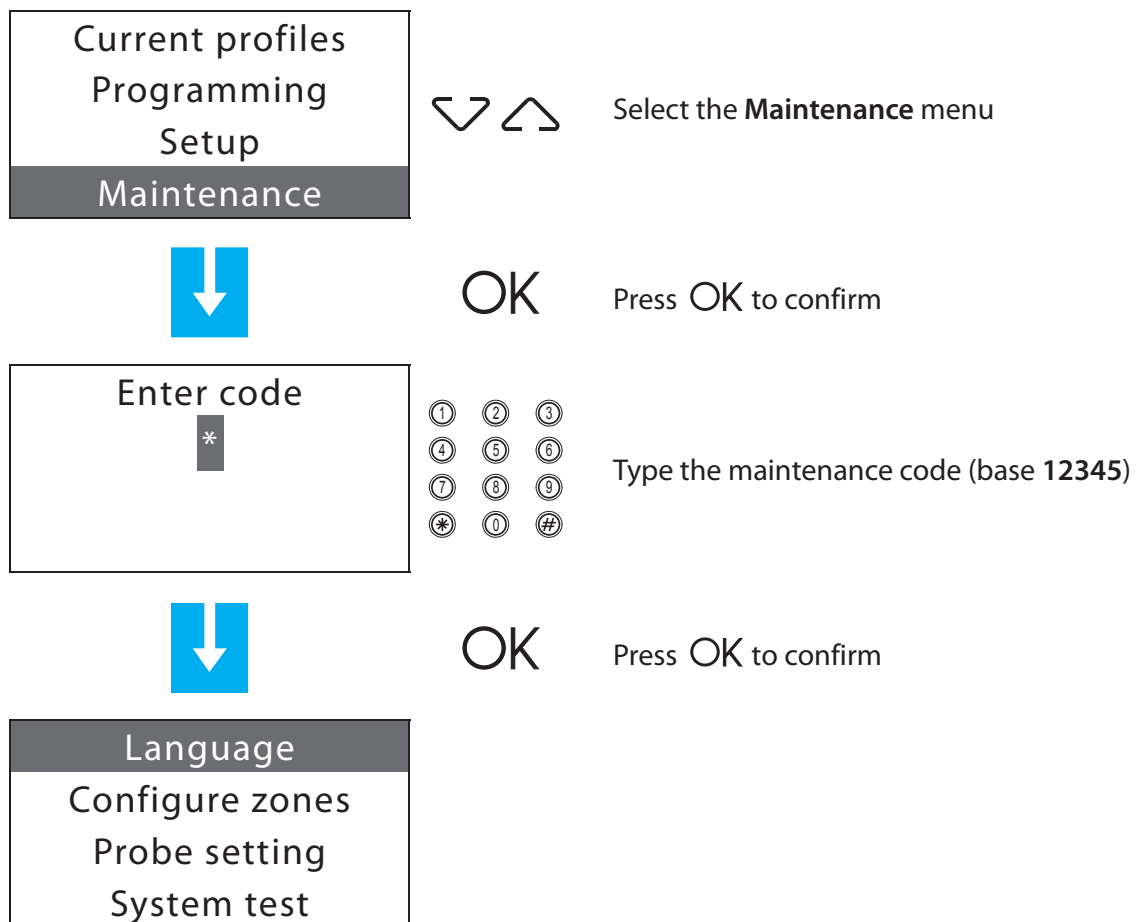
Contrast Diagnostic Probes **Chiller**	▽ △	Select the **Chiller**
⬇	OK	Press OK to confirm
State: Chiller OFF ◀ **Chiller ON** ▶ ◀ **Chiller ON** ▶ ◀ **Sanitary water** ▶ ◀ **Chiller OFF** ▶	◁ ▷	Select one of the following functioning modes
⬇	OK	Press OK to confirm
State: Chiller OFF ◀ **Sanitary water** ▶		
⬇	↰	Press ↰ to return to the previous page; hold down to go back to the first page
Contrast Diagnostic Probes **Chiller**		
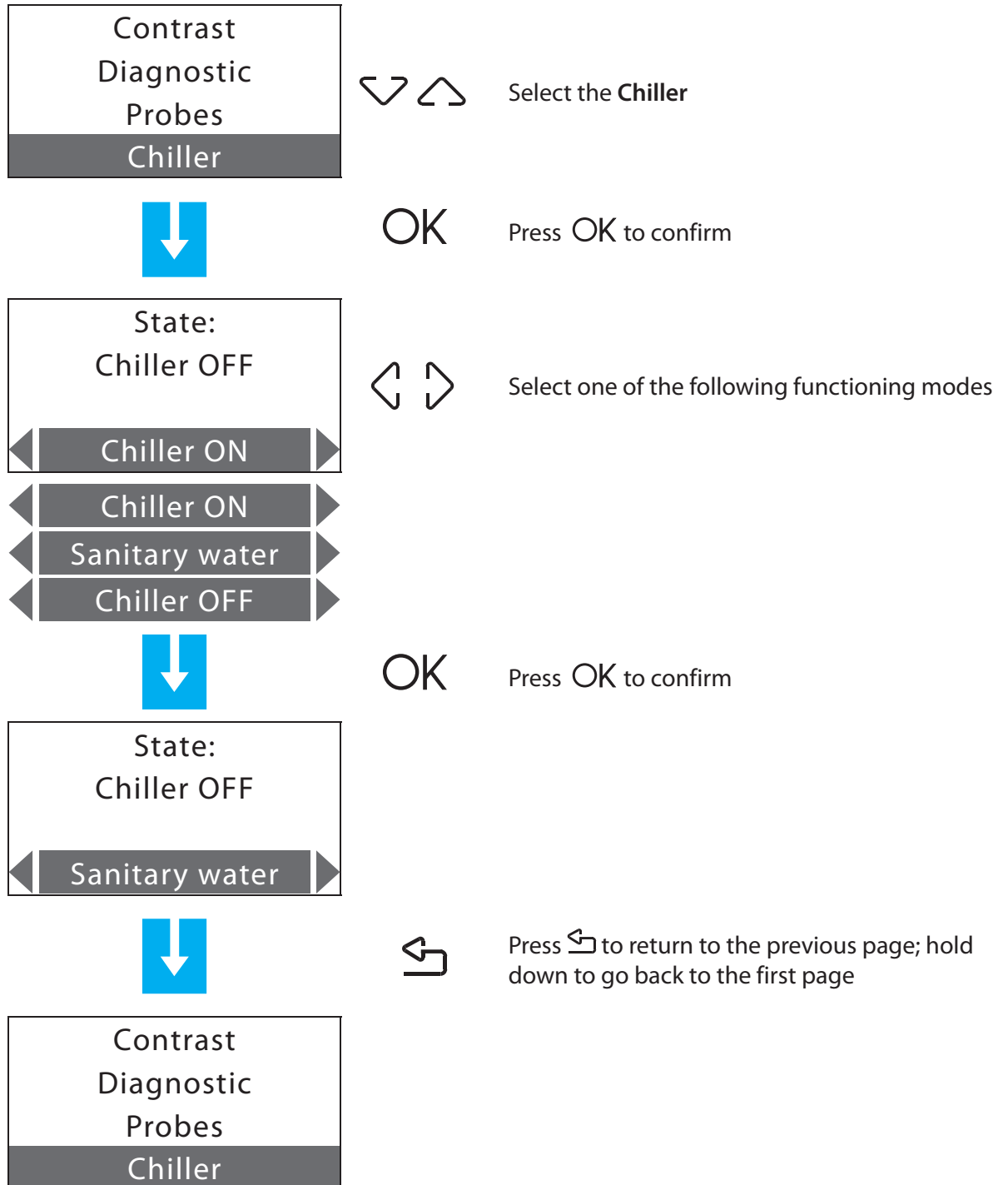
6 - Main menu

6.9 - Maintenance

To prevent inexpert users modifying the settings and affecting the operation of the Temperature control unit, access to this menu is protected by the **Maintenance Code** (base **12345**).
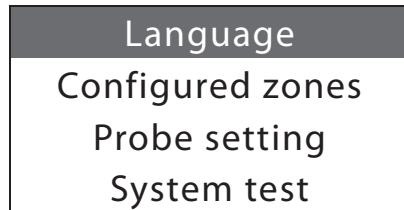
To access the MAINTENANCE menu:

Current profiles Programming Setup **Maintenance**	▽ △ Select the **Maintenance** menu
⬇	OK Press OK to confirm
Enter code *	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⊛ ⓪ ⌗ Type the maintenance code (base **12345**)
⬇	OK Press OK to confirm
Language Configure zones Probe setting System test	

Items present:

- **Language** - Can select the language (base Italian);
- **Configure zones** - Can configure the system zones;
- **Probe setting** - Can vary the temperature measured;
- **System test** - Can perform maintenance or checks on the system;
- **Maintenance code** - Can customise the maintenance code;
- **Total reset** - Resets the control unit totally.

6 - Main menu

6.9.1 - Language

Can select the language in which the messages are shown on the display.

Language
Configured zones
Probe setting
System test

Select **Language**

Confirm by pressing OK

English
العربية
简体中文
繁體中文

English
العربية
简体中文
繁體中文

Select the language required
Enter by pressing OK

6 - Main menu

6.9.2 - Configure zone

Can perform the system learning and manage the zone configuration.

Language
Configured zones
Probe setting
System test
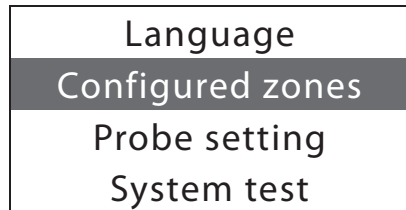
⏷ ⏶   Select **Configure zones**

⬇   OK   Confirm by pressing OK
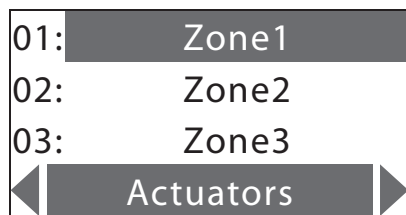
01:     Zone1
02:     Zone2
03:     Zone3
◀ Actuators ▶

⏷ ⏶   Select the zone

The following functions are available for the zone selected:
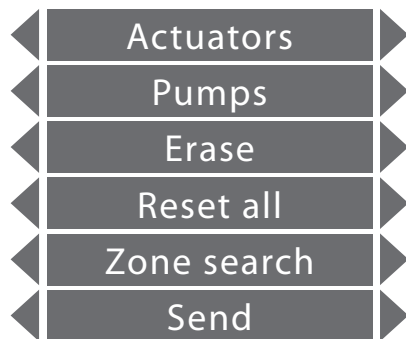
◀ Actuators ▶   Can configure the actuators for the zone selected

◀ Pumps ▶   Can configure the pumps for the zone selected

◀ Erase ▶   Can erase the zone selected

◀ Reset all ▶   Can zero the configuration of all the zones

◀ Zone search ▶   Searches all the zones in the system

◀ Send ▶   Configures the zones on the basis of the settings received from the PC via the ThermoConfig software

Use the ◁ ▷ keys to select the function required.

6 - Main menu

6.9.2.1 - Actuators

This function completes the zone configuration, indicating:

- which actuators are installed for Heating;

- which actuators are installed for Cooling;

- which type of load the zone manages.

⚠️ *Only perform with Standard configuration (see Technical Guide)*

01:	Living room
02:	Zone2
03:	Zone3
◄	Actuators ►

▽ △ Select the **zone** (e.g. Living room)

⬇️

OK Confirm by pressing OK

01:	Heating
02:	Heating
03:	Cooling
◄	Not connected ►

◁ ▷ *One of the following options can be selected for each actuator in the list:*

◄ Not connected ►	Not present on the system
◄ Heating ►	Is used to manage the Heating system
◄ Cooling ►	Is used to manage the Cooling system
◄ Heat. & cool. ►	Is used to manage both the Heating system and the Cooling system (e.g.: 2-pipe fan coil)

⬇️

OK Confirm by pressing OK

09:	Not connected
H:	ON/OFF
C:	OPEN/CLOSE
◄	FAN–COIL 3V ►

▽ △ The last two items of the menu can select the type of load managed

⬇️

NEXT

6 - Main menu

```
09:    Not connected
 H:         ON/OFF
 C:     OPEN/CLOSE
◄      FAN–COIL 3V      ►
```

◁ ▷ One of the following options can be selected for each actuator in the list:

```
◄      FAN–COIL 3V      ►
```
Fan-coil with control of one valve and selector switch up to 3 speeds

```
◄        GATEWAY        ►
```
Interface for Climaveneta Fan-coil

```
◄        ON/OFF         ►
```
Load managed by just one contact (e.g.: thermostatic valve)

```
◄      OPEN/CLOSE       ►
```
Load managed by two interlocked relays (e.g. motor-driven valve with opening contact and closing contact)

↰ Press the ↰ key to send the configuration set to the zone

```
      Zone test . . .
```

The control unit tests the configuration. When this is finished there may be two error messages:

```
      Configuration
         invalid
```

Trying to set a configuration of actuators which is not allowed (example: actuators of different type for the same function) in a probe

```
01:      Living room
02:          Zone2
03:          Zone3
◄           Pumps       ►
```

```
         ERROR
       Verify the
          probe
      configuration
```
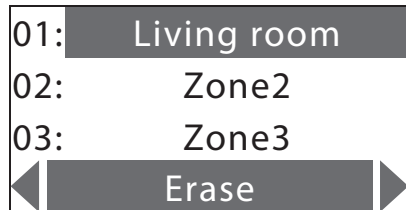
Check that the probe is in standard configuration (MOD=CEN) and try again; if it is not this type of configuration, the control unit cannot configure the probe.

6 - Main menu

6.9.2.2 - Pumps

Can complete the zone configuration, indicating which pumps must control the zone and with how much delay.

⚠ *This function can only be used if the probe is configured with the CEN configurator in socket P.*

01:	Living room
02:	Zone2
03:	Zone3
	Pumps

▽ △   Select the **Zone** (e.g.: Living room)

OK   Confirm by pressing OK

01:	Heating
02:	Heating
03:	Cooling
	Not connected

◁ ▷   One of the following options can be selected for each actuator in the list:

Not connected
Not present on the system or not managed by the zone selected

Heating
Is used to manage the Heating system

Cooling
Is used to manage the Cooling system

Heat. & cool.
Is used to manage both the Heating system and the Cooling system

OK   Confirm by pressing OK

09:	Not connected
H:	1
C:	0
	0

▽ △   The last two items of the menu can select the delay in activating the pump

◁ ▷   Selects the minutes of delay

OK   Press OK to confirm

NEXT

6 - Main menu

Zone test . . .

01:	Living room
02:	Zone2
03:	Zone3
	Pumps

Press the ⬑ key to send the configuration set to the zone.
The control unit tests the configuration:

The following error message may be given

ERROR
Verify the
probe
configuration

Check that the probe is in configuration (P=CEN) and try again; if it is not this type of configuration, the control unit cannot configure the probe.

6 - Main menu
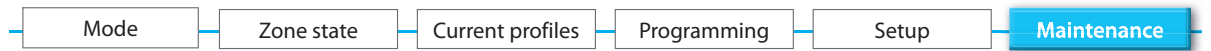
6.9.2.3 - Erase

Can erase the zone selected from the configuration.

```
01:  Living room
02:      Zone2
03:      Zone3
◄      Erase      ►
```
▽ △ Select the **zone**

↓ OK Press OK to confirm
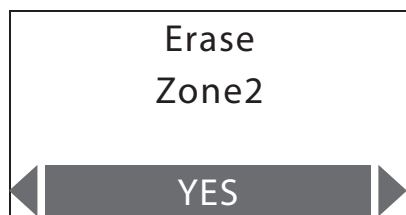
```
    Erase
    Zone2

◄      YES      ►
```
◁ ▷ Select **YES**

↓ OK Press OK to confirm
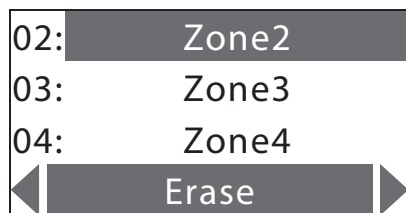
```
02:      Zone2
03:      Zone3
04:      Zone4
◄      Erase      ►
```
↩ Press ↩ to return to the previous page; hold down to go back to the first page

⚠ *The Control Unit no longer manages the erased zones.*

6 - Main menu

6.9.2.4 - Reset all

Can erase the saved configuration of all the zones.

```
01:     Living room
02:         Zone2
03:         Zone3
◄       Reset all       ►
```

OK   Press OK to confirm

```
        Reset
        system?
◄          YES          ►
```

◁ ▷   Select **YES**

OK   Press OK to confirm

```
        Reset in
        progress . . .
           YES
```

```
        No zone
        configured

        Zone search
```
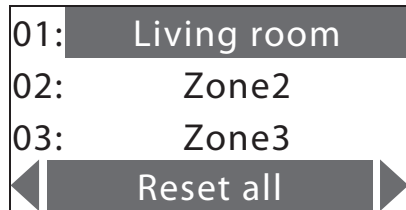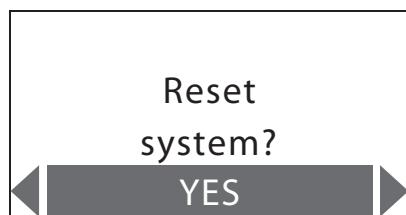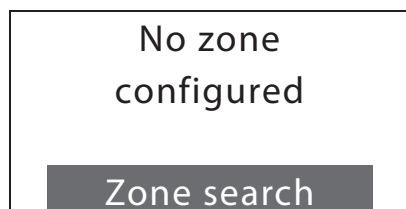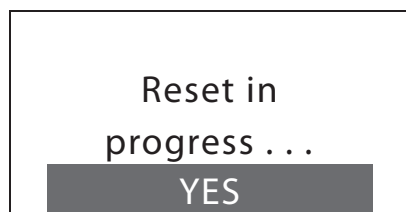
From this moment on the Control Unit no longer manages any zones.
To reset the system operation, perform the zone LEARNING

6 - Main menu

6.9.2.5 - Zone search

Searches all the zones in the system.

```
    No zone
   configured

   Zone search
```

Press OK to confirm

```
   Zone search
       01
        •
        •
   Zone search
       99
```
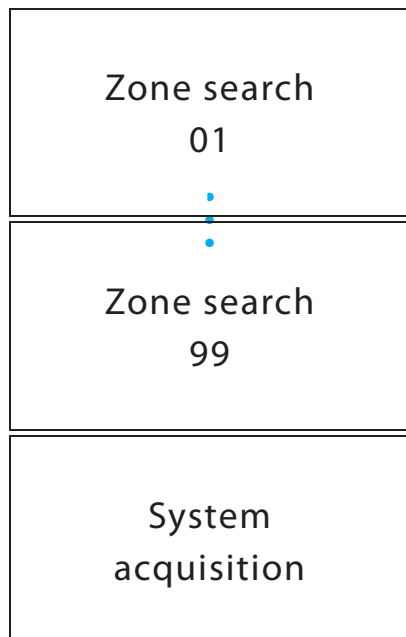
The system searches the zones from 1 to 99. Depending on the system size, this operation may take a few minutes

```
    System
   acquisition
```

When the search has finished it returns to the Configure zones menu

```
01:    Living room
02:       Zone2
03:       Zone3
       Actuators
```
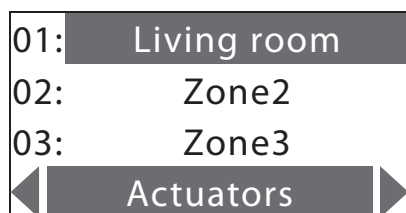
Press ⮌ to return to the previous page; keep pressed to return to the first page

6 - Main menu

6.9.2.6 - Send

Sends the actuator and pump settings to all the configured zones.

```
01:    Living room
02:        Zone2
03:        Zone3
◄          Send          ►
```
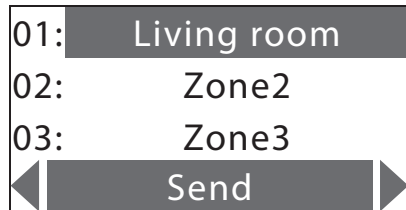

OK   Press OK to confirm

```
       Living room
```
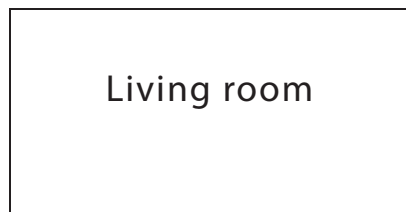
The control unit sends the configuration set to the zones in the system.

```
ERROR
Verify the
probe
configuration
```

This message may be displayed during the send phase:

```
       Zone3
```
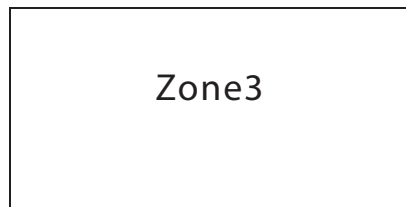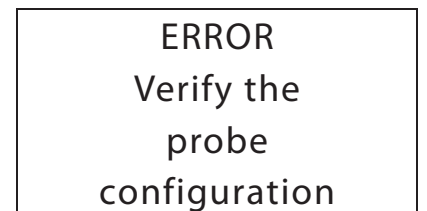

Pressing ⤺ cancels sending the configuration
Press OK to go to the next zone

```
01:    Living room
02:        Zone2
03:        Zone3
◄          Send          ►
```
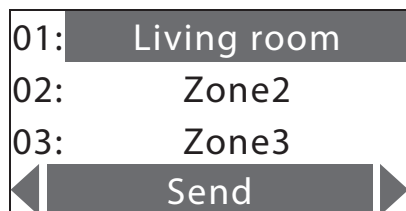
When the send is completed, it returns to the Configure zones menu

6 - Main menu

6.9.3 - Probe setting

Can align the temperature measured by the probes to a value measured with other devices (thermometer,…) to guarantee better precision in system operation.
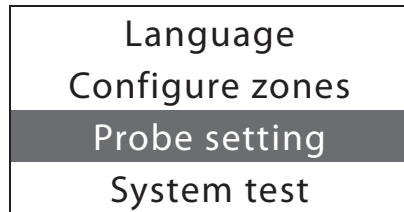
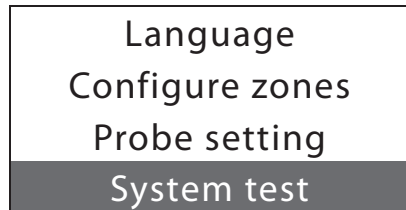| Language Configure zones **Probe setting** System test	▽ △	Select **Probe setting**
⬇	OK	Confirm by pressing OK
Zone1 **Zone2** Zone3	▽ △	Select the zone (e.g.: Zone2)
⬇	OK	Press OK to confirm
Measured: 20.0C New: **22.5C**	▽ △	Set the effective temperature measured in the room (± 0.1°C increment)
⬇	OK	Press OK to confirm
Probe setting in progress . . .		
⬇		
Zone1 **Zone2** Zone3	↰	Press ↰ to return to the previous page; keep pressed to return to the first page
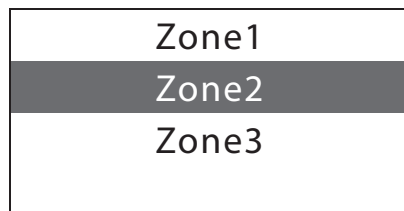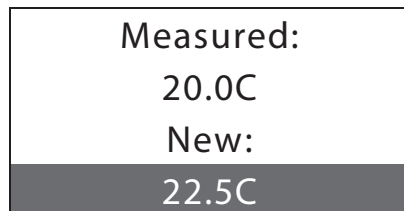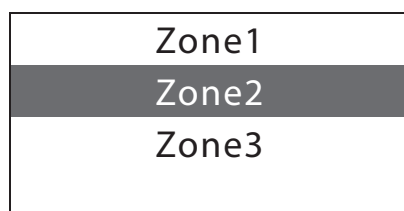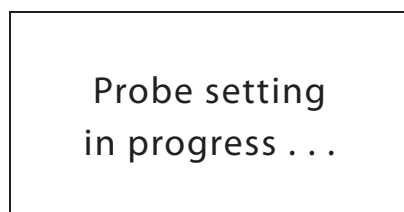
6 - Main menu

6.9.4 - System test

Can put the **System in test** (the whole system OFF) to check the system. It automatically disables all the commands (including the remote commands).
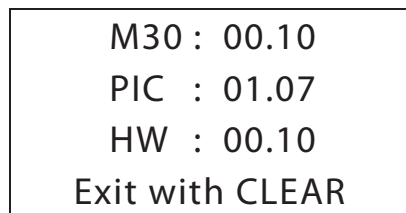
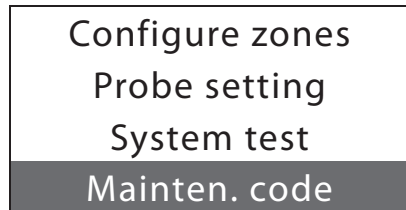|		
Language Configure zones Probe setting **System test**	▽ △	Select **System test**
⬇	OK	Confirm by pressing OK
M30 : 00.10 PIC : 01.07 HW : 00.10 Exit with CLEAR		*The display indicates the Control Unit software and hardware versions:* *M30 – firmware version* *PIC – firmware version SCS interface* *HW – hardware version*
⬇	↩	Press ↩ to return to the previous page
Language Configure zones Probe setting **System test**		
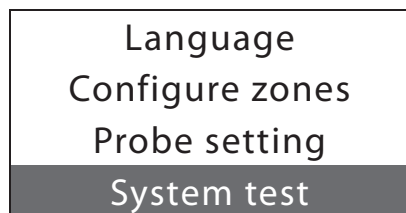
6 - Main menu

6.9.5 - Maintenance code

Can set a new **Maintenance code**.

Configure zones
Probe setting
System test
Mainten. code

▽△ Select the **Maintenance Code**

↓ OK Press OK to confirm

Current:
12345
New:
12345
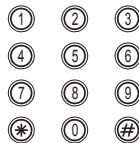
↓ Type the new maintenance code (e.g.: **55555**)

Current:
12345
New:
55555

↓ OK Press OK to confirm

Language
Configure zones
Probe setting
System test
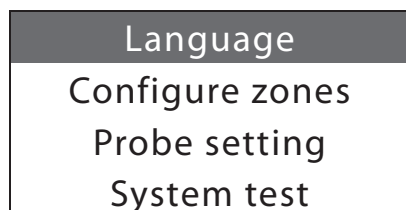
From now on you must type the new code set to access the Maintenance menu
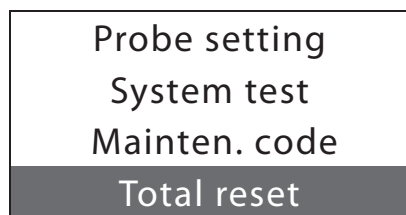
⚠ *If a new MAINTENANCE CODE is set, make a note of it in the space on page 22 of this manual.*
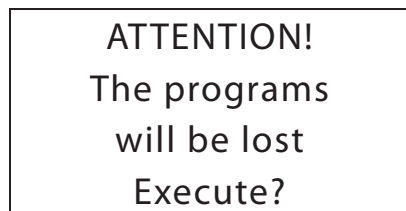
6 - Main menu

6.9.6 - Total reset

Can perform a Control Unit total reset. All the settings will be lost and the factory settings will be reset (see page 10 of the manual).

```
Probe setting
System test
Mainten. code
Total reset
```
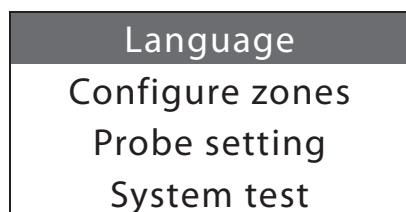▽△ Select **Total reset**

⬇

OK Press OK to confirm

```
ATTENTION!
The programs
will be lost
Execute?
```
OK Press OK to confirm

⬇

```
RESET
IN PROGRESS . . .
```
The Reset operation takes about 30 seconds.

⬇

```
Language
Configure zones
Probe setting
System test
```
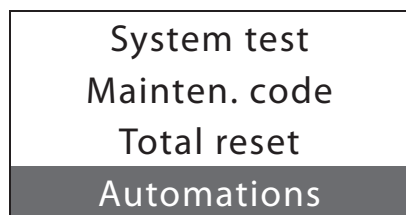↩ Press ↩ to return to the previous page, keep pressed to return to the first page

⚠ *With this operation the system configuration and all the programs run will be lost!*

6 - Main menu

6.9.7 - Automations

By using the ThermoConfig software, it is possible to programme automations that will start operating when specific temperature conditions, detected by the gateway or probes in the system, occur. In this menu it is possible to enable or to disable the programmed automations.
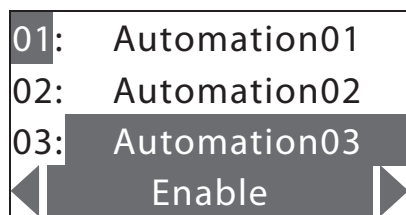
```
System test
Mainten. code
Total reset
Automations
```
▽△   Select **Automations**

⬇

OK   Press OK to confirm
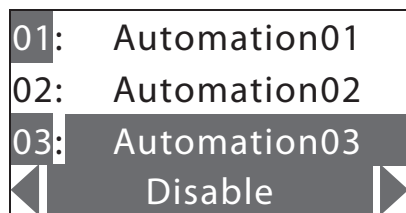
```
01:    Automation01
02:    Automation02
03:    Automation03
        Disable
◀                    ▶
```
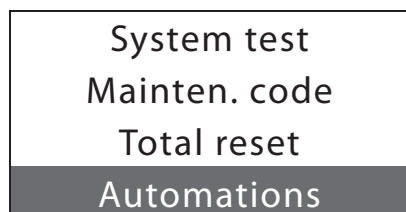▽△   Select the automation (the active automations are identified by the highlighted number)

⬇

OK   Press OK to to disable the Automation

```
01:    Automation01
02:    Automation02
03:    Automation03
        Enable
◀                    ▶
```

⬇

↩   Press ↩ to return to the previous page, keep pressed to return to the first page

```
System test
Mainten. code
Total reset
Automations
```

Appendix

Technical data

Power supply	from SCS bus: 18 – 28 V
Absorption	Stand–by: 55 – 90 mA Max
Operating temperature	5 – 40 °C
Telephone line	DTMF/PULSES
Dimension	L= 125 mm; H= 128 mm; P= 31 mm
Degree of protection	IP 30

Standard references

The Item in this manual is provided with the CE Conformity Declaration according to the requirements shown below:

Legrand declares that the product, Item:

5739 18/19

is in compliance with the essential requirements of the 2006/5/CE directive, as it complies with the following standards:

EN60950   EN50090-2-2

CE mark year, according to the specified directive: 2008

More information concerning reference standards can be found at:

www.legrandelectric.com

Troubleshooting

PROBLEM	SOLUTION
Battery flat signal	Check that the battery is correctly connected. If the problem continues, replace the battery.
A zone does not adjust correctly	Check whether any problems have been signalled (Settings>Diagnostic>Update).
A zone signals "Error on probe"	The probe does not respond; check whether it is correctly connected (green LED shining steadily or flashing slowly) and configured (correct zone number and mode).
A zone signals "Actuator KO"	An actuator does not respond: - check whether the actuators are correctly connected and configured (test the actuators with the local key); - with standard configuration, check that the configuration has been performed correctly in the control unit (Maintenance>Configure zone>Configure).
A zone signals "Slave probe KO"	A slave probe does not respond: - check whether it is correctly connected (green LED shining steadily or flashing slowly) and configured (correct zone number, SLA mode); - check the correct configuration of the slaves to be managed on the Master probe.
A zone signals "T out of limits"	The temperature measured by the probe is too low or too high: - check that the probe is installed correctly (e.g. not too close to heat sources); - set the probe (Maintenance>Probe setting) measuring the room temperature with a thermometer; - if the problem continues, replace the probe.
A zone signals "R/W EEPROM KO"	If there is an internal problem on the probe, replace the probe.
A zone signals "Pump KO"	The actuator configured to control the circulation pump (Zone=00) does not respond: - check that the actuator is correctly connected and configured (test the actuator with the local key); - check the correct configuration of the pump management on the probe.

Note

Legrand reserves at any time the right to modify the contents of this booklet and to communicate, in any form and modality, the changes brought to the same.

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