Temperature central unit

674 56

L¬ legrand®

Contents

Introduction

- The Temperature Control Unit
- The navigation keypad
- The display

1 - Introduction

The comfort of a home is directly linked to the air quality and to being able to maintain an ideal temperature, whatever the weather outside.

With the My Home Legrand temperature control function, whether it is snowing outside or the sun is shining, you are always the person who decides what climate to have in the home, setting the heating in winter and the cooling in summer as you want, with maximum flexibility: heating or cooling only the rooms you want and changing the temperature programming when you want.

Thanks to the Temperature Control Unit 674 56, with management software with menus and graphic display, you can select the mode of operation (weekly – manual – scenarios ...), display the temperatures of the various rooms, modify or adjust the temperature at any time following daily rhythms or set it weekly, simply and safely.

Differentiating the temperature depending on the type of room, for example the night zone and the day zone, and the time of day, for example the hours of sleep and when the whole family is out, from those of the morning and the evening when everyone is at home, you can achieve a saving of 30% over traditional consumption.

■ The Temperature Control Unit
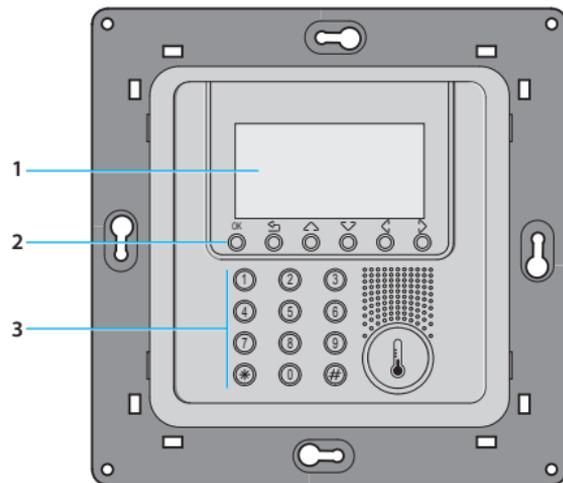
1 - Graphic display

2 - Navigation keypad

3 - Numeric keypad

■ The navigation keypad

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

Scroll keys

scroll the list of items in the menu

Selection keys

can select functions which in some menus appear in the last line

■ The display

During normal operation the display presents the following information:

State:
- Winter (heating)
- Summer (cooling)

Mode of operation

Name of the program being

Example

11:26   01-10-2008

Time   Date
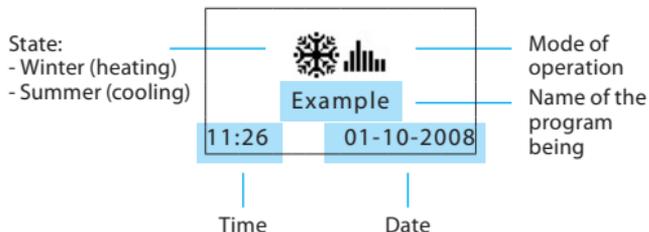
Depending on the mode of operation set, the display shows the following icons:

Example

11:26   01-10-2008

① One or more zones in OFF

⚕ One or more zones in MANUAL

❄ One or more zones in ANTIFREEZE or HEAT PROTECTION

1 - Introduction

Mode of operation:

ıllıı	Weekly	📅	Holiday
ᴅⅡⅡ	Manual	Ⓘ	OFF
🌓	Scenarios	🏠	Antifreeze or Heatprotection

When the mode of operation is the same for ALL ZONES the display shows the following windows:

```
      ❄Ⓘ

11:26    01-10-2008
```

System OFF - all the zones in OFF

```
      ❄ᴅⅡⅡ
       22.0
11:26    01-10-2008
```
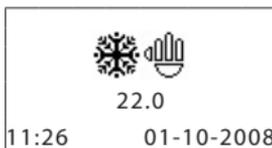
Manual - all the zones in manual

```
      ❄🏠

11:26    01-10-2008
```

System in antifreeze - all the zones in antifreeze

If there is a fault an exclamation mark appears on the control unit display. Press any key to access the diagnostic menu for more information (see Diagnostic section).

```
     ⚠
     ▽
```

There is a problem on the system

If the problem persists the control unit will continue to signal by displaying an icon.

```
 ❗
      ❄ıllıı
     Example
11:26    01-10-2008
```

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

```
 ▭
      ❄ıllıı
     Example
11:26    01-10-2008
```

▭ Flat battery

8
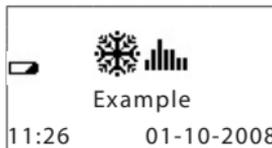
Operation

- Access the Control Unit menu
- The Mode menu
  - ✔ Select the Weekly mode
  - ✔ Select the Manual mode
  - ✔ Select the Scenarios mode
  - ✔ Select the Holiday mode
  - ✔ Select the Holidays mode
  - ✔ Select the OFF mode
  - ✔ Select Antifreeze or Heat protection
- The local probe

■ Access the Control Unit menu

Access to the Main menu lets you perform all the configuration and checking operations described in this menu.

■ The Mode menu

The Mode menu lets you select the operation of your system, for example selecting one of the weekly programs you have set up or setting a fixed temperature for all the zones.

✔ Select the Weekly mode

With the weekly mode your system works automatically following the programming set. You can choose from three programs which you can customise. Inside the programs the temperature can be differentiated over 24 hours and for each day of the week as you require.

```
        ❄ ⓵⓵⓵
       Example
11:27      11-12-2008
```

Press any key to access the Main menu

If enabled you will be asked for the base User code 00000

```
① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
✱ ⓪ #
```

Use the ▽△ keys to select the menu you want

Press OK to confirm and access the menu selected

```
     Mode
  Zone state
 Current profiles
  Programming
```

In the Mode menu select **Weekly**

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

Press OK key to confirm

```
01:   Example
02:   Week no.2
03:   Week no.3
```

With the ▽△ select a program

Confirm by pressing OK

✔ Select the Manual mode

In Manual mode you can set a fixed temperature in the whole system or in the individual zones as you require.

In the Mode menu select **Manual**

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

*The display will show the **hand** signal to indicate that some zones are in manual*

❄ ⅲ ⁽ᵐ⁾
Example
11:27   11-12-2008
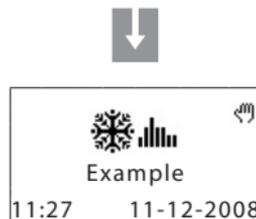
Press the OK key to confirm

In manual mode the zones are marked by the highlighted number. You can select ALL ZONES or use the ▽△ keys to select a single zone required (e.g. Zone 2)

	ALL ZONES
01:	Zone 1
02:	Zone 2
	Manual

On selecting ALL ZONES the window to the side appears on the display

❄ ⅲ
18.0
11:28   11-12-2008
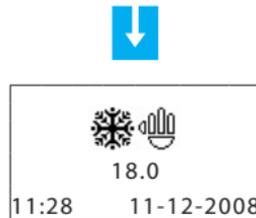
Confirm by pressing OK

You will be asked to set a temperature; set it using the keypad or the ▽△ keys

Zone 2
Manual
18.0

To return the zone set in **Manual** to the previous condition select **Automatic** with the ◁ ▷ keys and confirm by pressing OK

	ALL ZONES
01:	Zone 1
02:	Zone 2
	Automatic
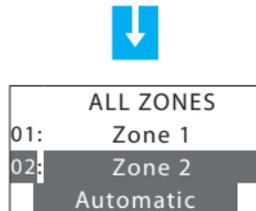
NEXT

✔ Select the Scenarios mode

The Scenario mode lets you set different temperatures in various zones of the system with a single command. For example, if when cleaning you intend to open windows in some rooms you can set a lower temperature (or higher for cooling) to avoid wasting energy.
16 Winter scenarios and 16 Summer scenarios can be programmed.

In the Mode menu select **Scenarios**

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

Press the OK key to confirm

Select the Scenario required with ▽ △ keys

01:	Scenario 1
02:	Scenario 2
03:	Scenario 3
04:	Scenario 4

Confirm by pressing OK

❄ ☽
Scenario 2
11:31   11-12-2008

✔ Select the Holiday mode

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.

In the Mode menu select **Holiday**

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

Press the OK key to confirm

Type the date and time using the number keys

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

Press the OK key to confirm

With the ▽ △ keys select the we-ekly program to be reset at the end of the Holiday

01:	Example
02:	Week no.2
03:	Week no.3

Confirm by pressing OK

❄ ▦
12:30   24-12-08
11:31   11-12-2008

✔ Select the Holidays mode

When you are away you can activate the Holidays mode, which lets you keep the system in Antifreeze or Heat protection until the date and time you set, after which the weekly program chosen will be reset.

In the Mode menu select **Holidays**

02:	Manual
03:	Scenarios
04:	Holiday
05:	Holidays

Press the OK key to confirm

Type the date and time using the number keys

①	②	③
④	⑤	⑥
⑦	⑧	⑨
⊛	⓪	#

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

Confirm by pressing OK

NEXT

With the ▽ △ keys select the weekly program to be reset at the end of the Holidays period

01:	Example
02:	Week no.2
03:	Week no.3

Confirm by pressing OK

❄🏠
08:30 07-01-09
08:31 23-12-2008

Once the days programmed has elapsed the Control unit automatically returns to the weekly mode programmed

❄ �ⅲ
Week no.2
11:32 11-12-2008

2 - Operation

### ✔ Select the OFF mode

You can put all or some of the system zones in the OFF state, until one of the other modes is reset.

|		
In the Mode menu select **OFF**	03: Scenarios 04: Holiday 05: Holidays 06: OFF	*The display will show the **OFF** signal to indicate that some zones are OFF*
Press the OK key to confirm	⬇	
You can select ALL ZONES or use the ▽ △ keys to select a single Zone (e.g. Zone 2)	ALL ZONES 01: Zone 1 02: Zone 2 OFF	*On selecting ALL ZONES the window to the side appears on the display*
Confirm by pressing OK	⬇	
The OFF zone can be recognised by the highlighted number	ALL ZONES 01: Zone 1 02: Zone 2 Automatic	To return the zone set in OFF to the previous condition select the zone required and confirm by pressing OK

To end the programming and return to the first window keep the ⮌ key pressed

Right column displays:

❄ ⅢⅢ ①
Example
11:27   11-12-2008

❄ ①
11:27   11-12-2008

ALL ZONES
01:    Zone 1
02:    Zone 2
    Automatic

NEXT

✔ Select Antifreeze or Heat protection

You can decide to set one or more zones or the whole system in Antifreeze mode (or heat protection in summer).
In **Antifreeze** a minimum temperature of 7 °C is maintained.
In **Heat protection** a maximum temperature of 35 °C is maintained.

In the Mode menu select **Antifreeze** or **Heat protection** if in Summer

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

*The display will show the **Antifreeze** signal to indicate that some zones are in Antifreeze or Heat protection*
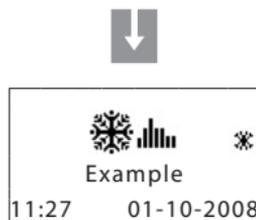
```
❄ ⏸            ❄
      Example
11:27    01-10-2008
```

Press the OK key to confirm

You can select ALL ZONES or use the ▽ △ keys to select a single Zone (e.g. Zone 1)

ALL ZONES	
01:	Zone 1
02:	Zone 2
	Antifreeze

On selecting ALL ZONES the window to the side appears on the display

```
❄ 🏠
11:27    01-10-2008
```

Confirm by pressing OK

The zone in Antifreeze can be recognised by the highlighted number

ALL ZONES	
01:	Zone 1
02:	Zone 2
	Automatic

To return the zone set in Antifreeze to the previous condition select the zone required and confirm by pressing OK
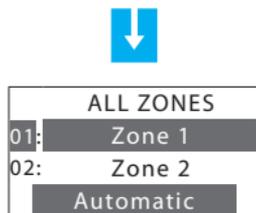
To end the programming and return to the first window keep the ⤺ key pressed

| ALL ZONES | |
01:	Zone 1
02:	Zone 2
	Automatic

NEXT

2 - Operation

■ The local probe

Each zone of your system has a probe which can adjust the temperature locally, modifying the setting on the Control Unit.

In particular you can vary the temperature by ± 3 °C, select antifreeze/heat protection or switch the system off in the individual zone.
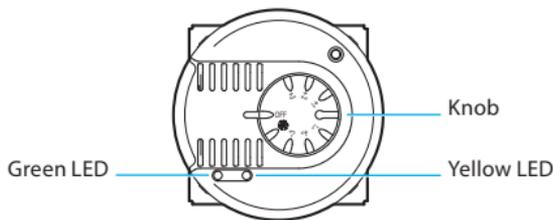
Fan-coil probe
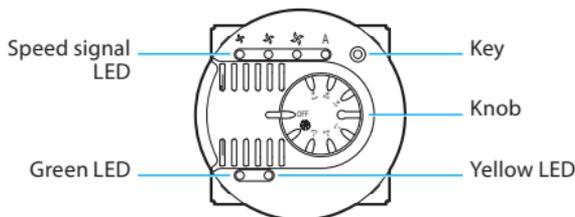
Knob

- Can set the temperature manually from +3 to -3 degrees with respect to the Control Unit setting.

- ❄ Sets the Antifreeze/Heat protection mode for the zone.
  If the temperature control system is working as heating, turning the knob to this position sets the Antifreeze mode; if the system is working as cooling it sets the Heat protection mode.
  To return to normal operation turn the knob to one of the positions from +3 to -3.

- OFF Turning the knob to this position turns the zone OFF. To return to normal operation turn the knob to one of the positions from +3 to -3.

Green LED

- When it is shining steadily it indicates that the system is active.

- When it is flashing it indicates that the zone is in ❄ or OFF mode.

Yellow LED

- When it is shining steadily it indicates that the system is working in the zone.

- When it is OFF it indicates that the system is not working in the zone.

- When it is flashing it signals a fault.

KEY (Fan-Coil probe)

- When it commands the Fan-Coil it can select the speed (MIN - MED - MAX - AUTO)

Information

- Diagnostic
- Check the mode of operation
- Check the temperature in the zones

3 - Information

◼ Diagnostic

If there is a fault on the system, the display shows the **!** icon. In this case the Diagnostic menu gives you useful information to identify the problem.

In the Setup menu select **Diagnostic** with the $\triangledown \triangle$

Press the $\bigcirc$**K** key to confirm

The list of zones appears on the display

If Climaveneta Chillers are detected during the diagnostic phase, **00 Chiller** will appear, thus making it possible to verify their status

Select the zone where a problem has occurred (marked by the **!** symbol) with the $\triangledown \triangle$ keys

With the $\triangleleft \triangleright$ keys select **Update**

Press the $\bigcirc$**K** key to confirm

```
Remote control
  User code
   Contrast
  Diagnostic
```

```
01:    Zone 1
02:    Zone 2    !
03:    Zone 3
◀    Visualize    ▶
```

```
01:    Zone 1
02:    Zone 2    !
03:    Zone 3
◀    Update    ▶
```
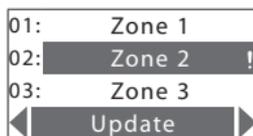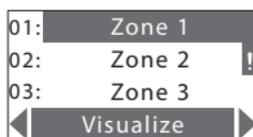
NEXT

The Control unit checks the probe again

If the problem is solved the **!** symbol disappears

If the problem persists select the **Visualize** function with the $\triangleleft \triangleright$ keys

Press the $\bigcirc$**K** key to confirm

The display shows the cause of the fault

```
Enquiry
probe . . .
```

```
01:    Zone 1
02:    Zone 2
03:    Zone 3
◀    Update    ▶
```

```
01:    Zone 1
02:    Zone 2    !
03:    Zone 3
◀    Visualize    ▶
```

```
Actuator KO
```

18
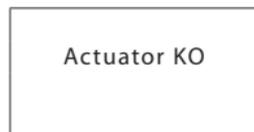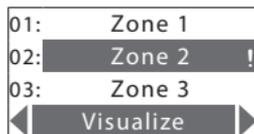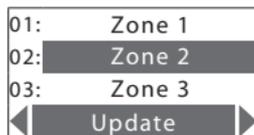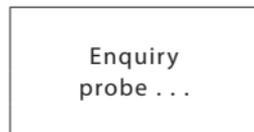
■ Check the mode of operation

This menu lets you check the current mode of operation for each zone and for weekly operation it lets you find out the profile set.

In the Main menu select **Current profiles**
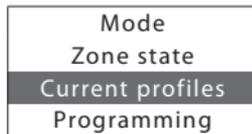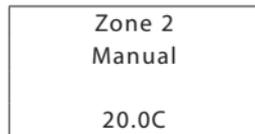
```
        Mode
     Zone state
   Current profiles
     Programming
```

Press the OK key to confirm

Select the zone to consult with the ▽△ keys (e.g.: Zone 1)

```
      Zone 1
      Zone 2
      Zone 3
```

Confirm by pressing OK

The information on the mode of operation is displayed (see previous section)

```
      Zone 1
      Manual

       22.0C
```

NEXT

Use the ▽△ keys to select other zones (e.g.: Zone 2)

```
      Zone 2
      Manual

       20.0C
```
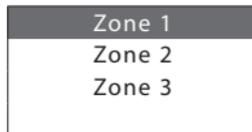
If the zone selected is in Weekly mode, the window with the following indication is displayed: zone name, day, program name and heat profile

```
      Example
                    ↓
   
   0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24
```
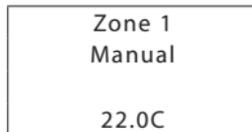
Keep the ⤺ key pressed to end the query and return to the first window

```
   ❄ ılılı
      Example

   11:27     01-10-2008
```

19
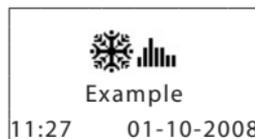
3 - Information

■ Check the temperature in the zones

In this menu you can find out the measured temperature, the set temperature and the system state for each zone.

In the Main menu select **Zone state**

```
        Mode
     Zone state
   Current profiles
    Programming
```

Press the OK key to confirm

Select the zone to consult with the ▽ △ keys (e.g.: Zone 1)

```
     Zone 1
     Zone 2
     Zone 3
```

Confirm by pressing OK

The Control unit checks the probe selected

```
   Diagnostic
   update . . .
```

NEXT

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

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

or the ⏎ key pressed to return to the first window

```
       Zone 1
Measured:      18.6C
Expected:      20.0C
State:           ON
```

```
       Zone 2
Measured:      18.5C
Expected:      19.0C
State:           ON
```

```
        ❄ ▪▪▪
       Example
11:27     01-10-2008
```

Customisations

■ Setting
- ✔ Set the temperature levels
- ✔ Set the mode of operation
- ✔ Set the date and time
- ✔ Enable/disable the remote control
- ✔ Customise the User code
- ✔ Adjust the display contrast
- ✔ Contacts manag.

4 - Customisations

■ Setting

The Settings menu lets you customise some Control unit parameters or modes of operation, without affecting its correct working.

✔ Set the temperature levels

For each zone you can set the **Antifreeze** or **Heat protection** temperature T* and the temperature levels T1, T2 and T3 used in the weekly programs

TEMPERATURE LEVEL SET	
T1	**18.0 °C**
T2	**20.0 °C**
T3	**22.0 °C**
Antifreeze	**7.0 °C**
Heat protection	**35.0 °C**

In the Main menu select **Setup**

Zone state
Current profiles
Programming
Setup

Press the OK key to confirm

With the ▽ △ keys select **Temperature**

Temperature
Summer/winter
Date/time
Remote control

Confirm by pressing OK

NEXT

You can select ALL ZONES or using the ▽ △ keys select a single zone (e.g. Zone 1)

ALL ZONES
Zone 1
Zone 2
Zone 3

Press the OK key to confirm

With the ▽ △ keys select the temperature level (e.g.: T1)

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

Confirm by pressing OK

Type the temperature required using the ▽ △ keys or the number keypad

Confirm by pressing OK

T*	07.0C
T1	17.5C
T2	20.0C
T3	22.0C

To end the programming and return to the first window keep the ⏎ key pressed

✔ Set the mode of operation

This operation sets the system mode of operation:

• **Summer** = cooling;

• **Winter** = heating.

Temperature
Summer/winter
Date/time
Remote control

In the Setup menu select **Summer/winter** with the ▽ △ keys

Press the OK key to confirm
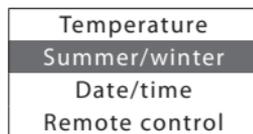
Operation:
Winter
Summer

The display shows the window indicating the mode of operation in use (Operation: Winter)

To change the system mode of operation press OK

Operation:
Summer
Winter

To end the programming and return to the first window keep the ⏎ key pressed

⚠️ *Before switching, perform all the necessary operations on the hydraulic system to ensure that it works correctly.*

After the switching the system is set in Antifreeze/Heat protection mode.

✔ Set the date and time

For your system to work correctly the date and time set must be correct.

Temperature
Summer/winter
Date/time
Remote control

In the Setup menu select **Date/time** with the ▽ △ keys
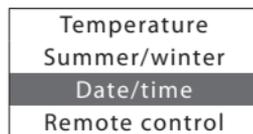
Press the OK key to confirm

Use the number keypad to enter the time and date:
- the ◁ ▷ keys let you change to the previous or next figure
- the ▽ △ keys let you change line, from time to date and vice versa

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

Confirm by pressing OK

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

To end the programming and return to the first window keep the ⏎ key pressed

4 - Customisations

✔ Enable/disable the remote control

This setting lets you enable/disable your system's remote control. In particular you can use the remote control to find out the state of each zone and perform the main commands and changes of mode. For more information consult your installer.

In the Setup menu select **Remote control** with the ▽ △ keys

| Temperature |
| Summer/winter |
| Date/time |
| Remote control |

Press the OK key to confirm

⬇

The display shows the window indicating the current state (State: enabled)

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

To change the state press OK

⬇

To end the programming and return to the first window keep the ⮌ key pressed

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

⚠ *The remote control base setting is enabled.*

✔ Customise the User code

The Control unit is protected by a **user code** which prevents unauthorised people from accessing the Main menu.
The base code is **00000**, but you can replace it with any 5-figure number.

In the Setup menu select **User code** with the ▽ △ keys

| Summer/winter |
| Date/time |
| Remote control |
| User code |

Press the OK key to confirm

⬇

The display shows the window indicating the current state (State: disabled)

| State: |
| disabled |
| |
| ◀ Enable ▶ |

To change the state press OK

⬇

The display shows the window indicating the current code (00000)

| Current: |
| 00000 |
| New: |
| 00000 |
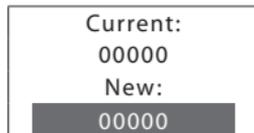
You can confirm the current code by pressing OK or

⬇

NEXT

24

✔ Adjust the display contrast

The contrast of the graphic display can be adjusted so that it is easy to read

enter a new five figure code as you wish

```
Current:
00000
New:
67890
```

In the Setup menu select **Contrast** with the ▽ △ keys

```
Date/time
Remote control
User code
Contrast
```

Press the OK key to confirm

Press the OK key to confirm

From now on you must type the new user code to access the Main menu

```
State:
enabled

◀ Disable ▶

◀ Modify ▶
```

Adjust the contrast with the ▽ △ keys so that it is easy to read

```
Increase by ▲

Decrease by ▼
```

The following functions are available:
– Disable - can disable the User code
– Modify - can modify the User code

To confirm press OK

Use the ◁ ▷ keys to select the function required

To end the programming and return to the first window keep the ⮌ key pressed

To end the programming and return to the first window keep the ⮌ key pressed

```
Date/time
Remote control
User code
Contrast
```

We recommend you write the new User code in the boxes at the side

NEW USER CODE

4 - Customisations

✔ Contacts manag.

The Unit is able to manage additional contacts which make it possible, for instance when opening the windows to air a room, to switch off the heating in that area so as to save energy. In this menu you can enable or disable this function.

Select **Contacts manag.** in the Setup menu using the ▽ △ keys

```
        Contrast
        Diagnostic
        Probes
  Contacts manag.
```

Press the OK key to confirm

⬇

A screen will be displayed showing the indication of the current state (State: disabled)

```
     State:
     disabled

       Enable
```

Press OK to change the status

⬇

Hold down the ⮌ key to end programming and to return to the main screen

```
     State:
     enabled

       Disable
```

Programming

- The Programming menu
  - ✔ Weekly programming
  - ✔ Scenarios programming
  - ✔ Holiday programming

▪ The Programming menu

Using the Programming menu you can customise the following modes of operation of your system:

- **Weekly**
  With the weekly mode your system works automatically following the programming set. You can choose from three programs which you can customise. Inside the programs the temperature can be differentiated over 24 hours and for each day of the week as you require. The **Example** program is preset but can be modified.

- **Scenarios**
  The Scenario mode lets you set different temperatures in various zones of the system with a single command. For example, if when cleaning you intend to open windows in some rooms you can set a lower temperature (or higher for cooling) to avoid wasting energy. 16 Winter scenarios and 16 Summer scenarios can be programmed.

- **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.

✔ Weekly programming

Up to 3 weekly programs can be created for each of the two functions (heating and cooling).
To select the weekly program to be customised:

In Programming menu select ▽ △
Weekly

Weekly
Scenarios
Holiday

Press the OK key to confirm

Select ▽ △ the program to be modified

The following functions are available for the program selected:

Example
Week no.2
Week no.3
◄ Modify ►

◄ Modify ►
◄ Copy from ►
◄ Visualize ►
◄ Erase ►
◄ Rename ►
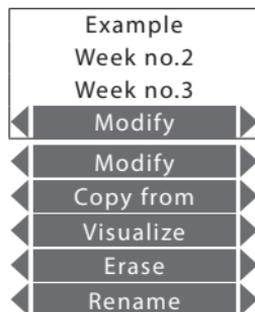
Use the ◁ ▷ keys to select the function required

Modify a Weekly program

On selecting this function you can modify the weekly program selected, associating a daily profile to each zone.

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

```
Example
Winter week
Week no.3
◀         Modify         ▶
```

Select ◁ ▷ the **Modify** function

Press the OK key to confirm

Select ▽ △ the day (e.g.: Sunday)

```
Friday
Saturday
Sunday
◀         Modify         ▶
```

*The **Copy from** function can also be selected for the day selected*

Press the OK key to confirm

Select ▽ △ the zone (e.g.: Zone 1)

```
Zone 1
Zone 2
Zone 3
◀         Modify         ▶
```
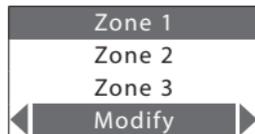
*The **Copy from** and **Visualize** functions area also available for the zone selected*

Press the OK key to confirm

NEXT

The profile displayed can now be modified using the navigation keys as shown in detail in the pages below

```
00:00      T1   18.0C
↓
▁▁▁▁█████████████████
0 - 2 - 4 - 6 - 8 - 10 - 14 - 16 - 18 - 20 - 22 - 24
```

Presettings of the "Example" weekly program
Note: The "Example" program is preset but can be modified.

Monday – Friday
- from 00:00 to 06:00 - 18 °C (T1)
- from 06:00 to 09:00 - 22 °C (T3)
- from 09:00 to 16:00 - 18 °C (T1)
- from 16:00 to 17:00 - 20 °C (T2)
- from 17:00 to 22:00 - 22 °C (T3)
- from 22:00 to 24:00 - 20 °C (T2)

```
Monday
███      █████
███      █████
0 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24
```

Saturday
- from 00:00 to 06:30 - 18 °C (T1)
- from 06:30 to 07:00 - 20 °C (T2)
- from 07:00 to 23:00 - 22 °C (T3)
- from 23:00 to 24:00 - 20 °C (T2)

```
Saturday
███████████████████
0 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24
```

Sunday
- from 00:00 to 06:30 - 18 °C (T1)
- from 06:30 to 07:00 - 20 °C (T2)
- from 07:00 to 22:00 - 22 °C (T3)
- from 22:00 to 24:00 - 20 °C (T2)

```
Sunday
███████████████████
0 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24
```
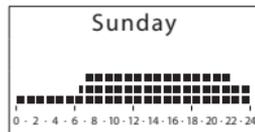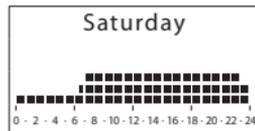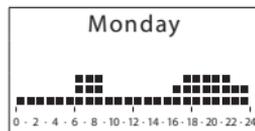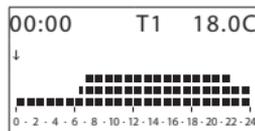
Modification tools

Information shown on the display:

SCROLL

time corresponding
to the cursor position

00:00   T1   18.0C   — temperature levels

cursor — ↓

T3
T2
T1

0 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24

time axis

cursor arrow   temperature not highlighted

00:00   T1   18.0C

↓

0 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24
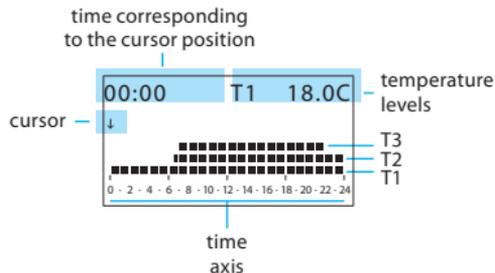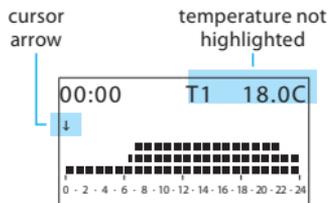
MODIFY

There are two modes of work:

- **Scroll** – Characterised by an arrow-shaped cursor, lets you, using the ⟨ ⟩ keys, move the cursor along the time axis without making any modification to the daily profile.
- **Modify** - Characterised by a "pencil"-shaped cursor, lets you, using the ⟨ ⟩ keys, move the cursor along the time axis to set the temperature level selected.

pencil cursor   temperature highlighted

00:00   T1   18.0C

0 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24
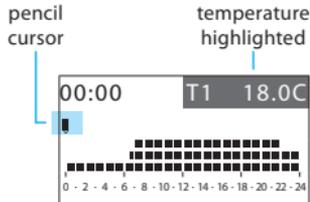
How to use the cursor keys:

OK – change from MODIFY mode to SCROLL; in SCROLL mode confirms quitting the Modify function

↶ – returns to the previous page without saving

Scroll keys – change from SCROLL mode to MODIFY; in the MODIFY mode scroll the three temperature levels

Selection keys – Move the cursor along the time axis

Create a new daily profile:

We recommend you follow the procedure described in this example step by step, as a useful instrument for becoming familiar with the Modify/Scroll mode of work and the use of the cursor keys.
Example: creation of a new temperature profile belonging to **Zone 1** of **Monday** for the weekly program **Week no.2**, with the following time bands and temperature levels:

1 – from 00:00 to 06:00 - 18 °C (T1)

2 – from 06:00 to 09:00 - 22 °C (T3)

3 – from 09:00 to 16:30 - 20 °C (T2)

4 – from 16:30 to 22:00 - 22 °C (T3)

5 – from 22:00 to 24:00 - 20 °C (T2)

TEMPERATURE LEVEL SET	
T1	**18.0 °C**
T2	**20.0 °C**
T3	**22.0 °C**
Antifreeze	**7.0 °C**
Heat protection	**35.0 °C**

When the procedure has been performed, using the **Copy from** function, you can:
- *copy **Zone 1** to other zones*;
- *copy **Monday** to other days.*

5 - Programming

Procedure:

00:00 T* 7.0C	00:00	T1 18.0C	06:00	T1 18.0C [1]	06:00	T3 22.0C
↓						
0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24	0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24	
	︿		⤳		︿	

09:00	T3 22.0C [2]	09:00	T2 20.0C	16:30	T2 20.0C [3]	16:30	T3 22.0C
0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24	
⤳		﹀		⤳		︿	

22:00	T3 22.0C [4]	22:00	T2 20.0C	23:45	T2 20.0C [5]	23:45	T2 20.0C
0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24		0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24	
⤳		﹀		⤳		OK	

Copy a Weekly program

This function lets you copy a previously programmed weekly program into another. For example copy the **Example** program (preset in the factory) in Week no.2.

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

Select ◁ ▷ the **Copy from** function

Example
Winter week
Week no.3
◀ Copy from ▶

Press the OK key to confirm

⬇
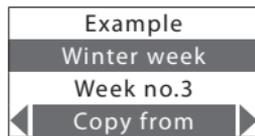
Select ▽ △ the program to copy (e.g.: Example)
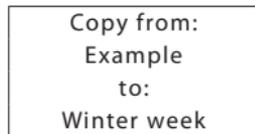
Example
Winter week
Week no.3
◀ Copy from ▶

Press the OK key to confirm

⬇

Copy from:
Example
to:
Winter week

Copy a zone

This function lets you copy the daily profile programmed for one zone to another zone.

Select ▽ △ the zone to copy into (e.g.: Zone 1)

Select ◁ ▷ the **Copy from** function

Zone 1
Zone 2
Zone 3
◀ Copy from ▶

Press the OK key to confirm

⬇

Select ▽ △ the zone to copy (e.g.: Zone 2)

Zone 1
Zone 2
Zone 3

Press the OK key to confirm

⬇

Zone 1
Zone 2
Zone 3
◀ Copy from ▶
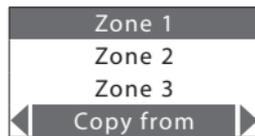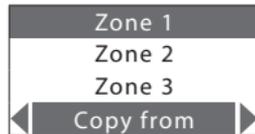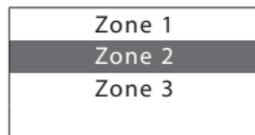
Copy a day

This function lets you copy a previously programmed daily profile to another day.

Select ▽ △ the day to copy into (e.g.: Tuesday)

| Monday |
| Tuesday |
| Wednesday |
| ◀ Copy from ▶ |

Select ◁ ▷ the **Copy from** function

Press the OK key to confirm

⬇

Select ▽ △ the day to copy (e.g.: Monday)

| Monday |
| Tuesday |
| Wednesday |
| Thursday |

Press the OK key to confirm

⬇

| Copy from: |
| Monday |
| to: |
| Tuesday |
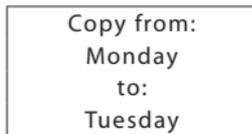
✔ Scenarios programming

Can create 16 scenarios for Winter operation and 16 for Summer operation and for each of these set different temperatures in the various zones.
To select the scenario to customise:

In the Programming menu select ▽ △ **Scenarios**

| Weekly |
| Scenarios |
| Holiday |

Press the OK key to confirm

⬇

Select ▽ △ the scenario you want to modify

The following functions are available for the scenario selected:

| Scenario 1 |
| Scenario 2 |
| Scenario 3 |
| ◀ Modify ▶ |
| ◀ Modify ▶ |
| ◀ Copy from ▶ |
| ◀ Visualize ▶ |
| ◀ Erase ▶ |
| ◀ Rename ▶ |
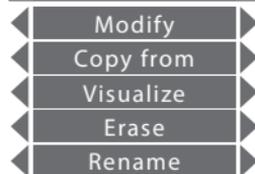
Use the ◁ ▷ keys to select the function required

Modify a Scenario

Selecting this function you can modify the selected scenario associating a temperature level to each zone.

Select ▽△ the scenario to be modified (e.g.: Night)

Select ◁ ▷ the **Modify** function

Press the OK key to confirm

| Scenario 1 |
| Night |
| Scenario 3 |
| ◀ Modify ▶ |

Select ▽△ the zone (e.g.: Zone 1)

| Zone 1 |
| Zone 2 |
| Zone 3 |

Press the OK key to confirm

Set the zone temperature using the keypad or the ▽△ keys (± 0.5 °C increment)

Press the OK key to confirm, the program returns to the previous page

| Scenario 2 |
| Zone 1 |
| Manual |
| 22.0 |
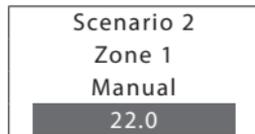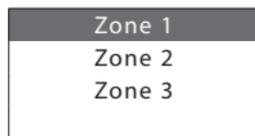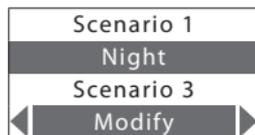
Copy a Scenario

This function lets you copy one previously programmed scenario on another.
For example copy Scenario 1 on Night.

Select ▽△ the scenario to copy into (e.g.: Scenario 1)

Select ◁ ▷ the **Copy from** function

Press the OK key to confirm

| Scenario 1 |
| Night |
| Scenario 3 |
| ◀ Copy from ▶ |

Select ▽△ the scenario to copy (e.g.: Night)

Press the OK key to confirm

| Scenario 1 |
| Night |
| Scenario 3 |
| Scenario 4 |

| Scenario 1 |
| Night |
| Scenario 3 |
| ◀ Copy from ▶ |
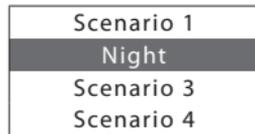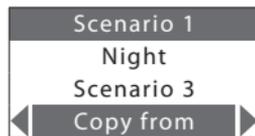
5 - Programming

✔ Holiday programming

Can program a daily profile for each zone (as base the **Sunday** profile of the **Example** program is associated with each zone).
To select the Holiday program to customise

In the Programming menu select
▽ △ **Holiday**
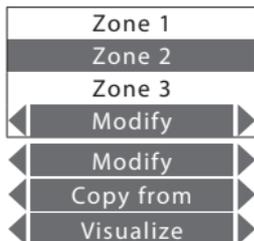
Weekly
Scenarios
Holiday

Press the OK key to confirm

⬇

Select ▽ △ the zone

The following functions are available for the zone selected:

Zone 1
Zone 2
Zone 3
◁ Modify ▷

◁ Modify ▷
◁ Copy from ▷
◁ Visualize ▷

Use the ◁ ▷ keys to select the function required

Modify the Holiday program

On selecting this function you can modify the daily profile associated to each zone.

Select ▽ △ the zone to modify
(e.g.: Zone 1)

Select ◁ ▷ the **Modify** function

Zone 1
Zone 2
Zone 3
◁ Modify ▷
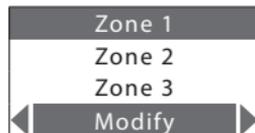
Press the OK key to confirm

⬇

The profile displayed can now be modified using the navigation keys as shown in detail in the previous pages
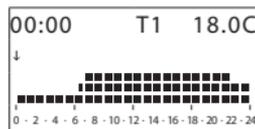
00:00   T1   18.0C
↓
▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮
0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24

Copy a zone

This function lets you copy the daily profile programmed for one zone to another zone.

Select ▽△ the zone to copy into (e.g.: Zone 1)

Select ◁ ▷ the **Copy from** function

```
Zone 1
Zone 2
Zone 3
◀ Copy from ▶
```

Press the OK key to confirm

Select ▽△ the zone to copy (e.g.: Zone 2)

```
Zone 1
Zone 2
Zone 3
```

Press the OK key to confirm

```
Zone 1
Zone 2
Zone 3
◀ Copy from ▶
```
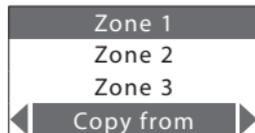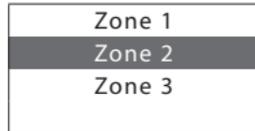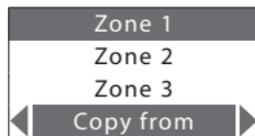
Display the Holiday program

This function lets you display the daily profile associated to each zone.

Select ▽△ the zone to display (e.g.: Zone 1)

Select ◁ ▷ the **Visualize** function

```
Zone 1
Zone 2
Zone 3
◀ Visualize ▶
```

Press the OK key to confirm

The display shows the profile programmed for the zone selected

```
Zone 1

0 · 2 · 4 · 6 · 8 ·10·12·14·16·18·20·22·24
```

Notes
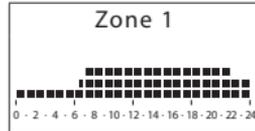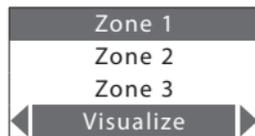
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