

Regulation



# EASY CLIMA

VERSION  
**1.8**



# USER MANUAL





## WARNINGS

### SAFETY WARNINGS

Read this manual carefully before installation and/or use of the equipment and keep it in an accessible place.

The Manufacturer's Technical Dept. is available at the numbers indicated on the back cover of this manual, for consultancy or particular technical requests.



#### CAUTION

**Installation and maintenance must only be performed by qualified staff; if this is not the case the warranty will become null and void**

• Only use original spare parts: failure to comply with this norm can make the warranty null and void.

### DISPOSAL



*In accordance with the provisions of the following European directives 2011/65/EU, 2012/19/EU and 2003/108/EC, regarding reducing the use of hazardous substances in electrical and electronic equipment, in addition to waste disposal.*

The crossed out wheellie bins symbol on the equipment indicates that, at the end of its useful life, the product must be collected separately from general waste.

Therefore, at the end of its useful life, the user must take the equipment to a designated electrical and electronic waste collection point, or return it to the dealer that, against the purchase of an equivalent appliance, it is obliged to collect the product for disposal free of charge.

Appropriate differentiated waste collection for subsequent recycling, treatment and environment-friendly disposal of the discarded equipment helps preventing possible negative environmental and health effects and encourages recycling of the component materials of the equipment.

Illegal disposal of the product by the user entails the application of sanctions provided by the regulations in force.



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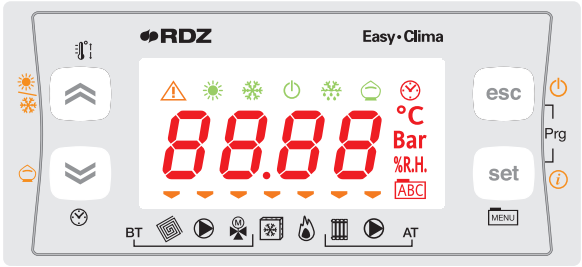
# 1 DESCRIPTION

## GENERAL DESCRIPTION

The "local" user interface of Easy Clima device consists in:

- Display showing temperature/pressure, time, menu/parameters labels and parameter values.
- Icons to display machine status, the unit of measurement of the value displayed and the state of the resources.
- Keys for menu navigation, to set parameters, to silence the alarms, to enter programming, and for the activation of the direct functions.

The display of information and programming of the device via user interface are developed in menus with navigation using the four keys as described in the relevant section.



N.B. Easy Clima Controller can be coupled to hydraulic kits that manage **Low Temperature** and/or **High Temperature** systems such as:  
 Easy Clima Kit, LT only.  
 MTR Easy Clima both LT and HT.  
 The manual refers to the complete configuration for HT/LT management

## DISPLAY DESCRIPTION

The display is used to show the following information:

**Main Display:** value that can be set from parameter (as specified further on in this chapter).

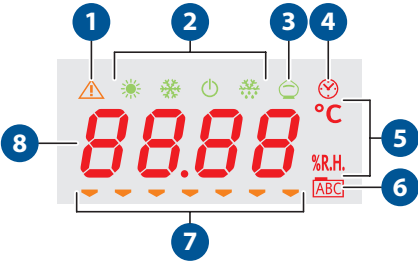
**Menu Navigation:** the status folders, parameters, etc. can be accessed. Within every folder, it is then possible to enter the sub-folders or parameters list

**Alarms Display:** the Alarm icon will switch on in the event of alarms. When accessing the Alarms menu, see the corresponding Alarm Code displayed in alternating mode.

If there are several alarms simultaneously, the one with the lowest index will be displayed: using the and keys it will be possible to display the alarm codes present at the same time.

If the fundamental value is also in error mode, the Alarm icon will be displayed, along with the "Err" string or "Outr".

## DISPLAY KEY



| Num | Description                                |
|-----|--|
| 1   | Alarm icon                                 |
| 2   | Mode icon                                  |
| 3   | Economy icon                               |
| 4   | Clock icon                                 |
| 5   | Unit of measurement of the value displayed |
| 6   | Menu navigation icon                       |
| 7   | Resources icon                             |
| 8   | Values display                             |












| Display icons table |   |  |  |
|---------------------|---|--|--|
| Icon                | Description                                 | On with fixed light  | On flashing  |
|                     | Cooling icon                                | SUMMER = ON (Cool)   |  |
|                     | Heating icon                                | WINTER = ON (Heat)   |  |
|                     | Stand-by icon                               | STAND-BY = ON  |  |
|                     | Dehumidification icon                       | DEHUMIDIFIER = ON  |  |
|                     | Economy icon                                | ECONOMY MODE = ON  |  |
|                     | Alarm icon                                  | One or more alarms active  |  |
|                     | Time band operating icon                    | Time band operating enabled  |  |
|                     | Display values                              | values display   |  |
|                     | °C  | the value displayed is a temperature value in °C   |  |
| %R.H. icon"/>       | % R.H.                                      | the value displayed is % relative humidity   |  |
|                     | Menu icon                                   | The menu is shown in the display   |  |
|                     | Low temperature system solenoid valve icon  | Low temperature system solenoid valve = ON   | POST-CIRCULATION in progress, after the COOLING or HEATING request has stopped   |
|                     | Low temperature system pump icon            | Low temperature system pump = ON   | POST-CIRCULATION in progress, after the COOLING or HEATING request has stopped   |
|                     | Modulating mixing valve                     | VMIX completely OPEN (Pos.=100%)<br>LED off = VMIX completely CLOSED (Pos.=0% )  | VMIX in OPENING or CLOSURE mode, however in position different to 100% or 0% and in movement.                                    |
|                     | 3 point mixing valve                        | VMIX in OPENING mode (indicates the opening "direction" of the servomotor, NOT the duration of the impulse towards the actuator) | VMIX in CLOSING mode (indicates the closing "direction" of the servomotor, NOT the duration of the impulse towards the actuator) |
|                     | Chiller icon                                | CHILLER = ON   |  |
|                     | Boiler icon                                 | BOILER = ON  |  |
|                     | High temperature system solenoid valve icon | High temperature system solenoid valve = ON  | POST-CIRCULATION in progress, after the COOLING or HEATING request has stopped   |
|                     | High temperature system pump                | High temperature system pump = ON  | POST-CIRCULATION in progress, after the COOLING or HEATING request has stopped   |

It is possible to decide which value to display in normal operating conditions (not in menu navigation mode, not in the event of alarm signals) using the **"SET/Info"** key.









## DESCRIPTION OF KEYS

| Key   | Description  |  |
|---|--|--|
| <br><b>SET key</b><br>  | Short press  | <ul style="list-style-type: none"> <li>From the main display, access is given to the user set-point menu.</li> <li>From the operational parameters menu, the SET key allows you to:               <ul style="list-style-type: none"> <li>- access to the menu sub-folders</li> <li>- access to the value of any parameter of one of the menu sub-folders</li> <li>- confirm the parameter and/or output value</li> </ul> </li> </ul> |
|   | Long press   | From the main display, access is given to the selection of the fundamental value to be displayed.  |
| <br><b>ESC key</b><br>  | Short press  | <ul style="list-style-type: none"> <li>With display off, the same is reactivated.</li> <li>Exit menus, list of parameters and parameter value (without saving the value) and go back to the previous level</li> </ul>  |
|   | Long press   | From main display, the operating STATUS is changed from ON to STAND-BY and vice versa.   |
| <br><b>UP key</b><br>   | Short press  | <ul style="list-style-type: none"> <li>Scrolling the folders and parameters display upwards</li> <li>Parameter value increase</li> <li>From the main display, the room set adjustment is activated at the current time (heating or cooling, comfort or economy) with flashing set value to be adjusted</li> </ul>  |
|   | Long press   | From main display, the operating condition is changed from heating to cooling and vice versa.  |
| <br><b>DOWN key</b><br> | Short press  | <ul style="list-style-type: none"> <li>Scrolling the folders and parameters display downwards</li> <li>Parameter value decrease (if in parameter value modification mode)</li> <li>From the main display, the system date and time adjustment is activated.</li> </ul>   |
|   | Long press   | From the main display, if enabled, the operating MODE from ON-Comfort to ON-Economy and vice versa.  |
|   | access is given to the parameter and machine status menus folders. |  |

## 2 SETTINGS

### DATE AND TIME

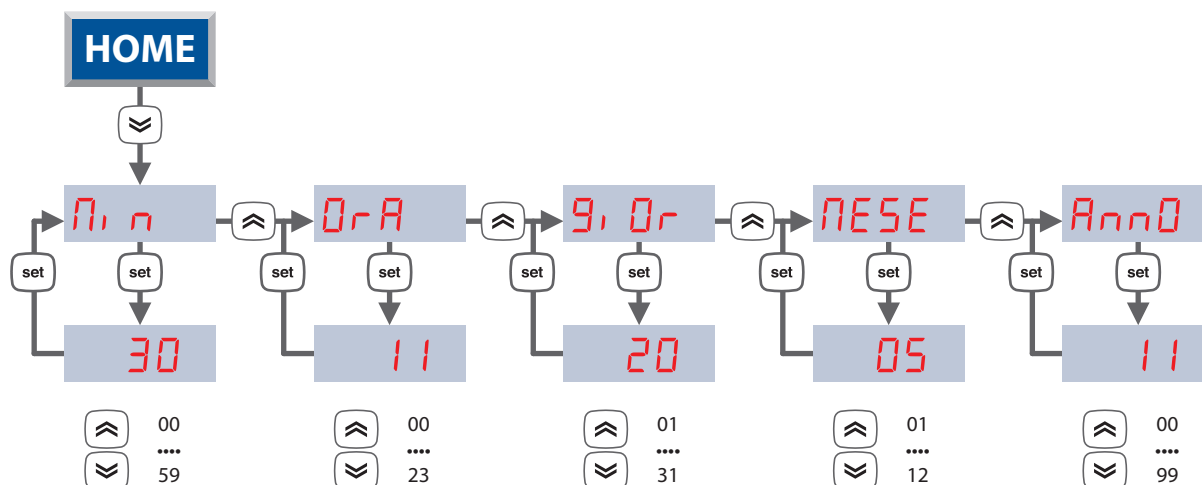
This chapter describes the screenshots that can be accessed by a **short press** of the  key.

| Screenshot   | Description |
|--|-------------|
| <b>1</b>  | Minutes set |
| <b>2</b>  | Hour set    |
| <b>3</b>  | Day set     |
| <b>4</b>  | Month set   |
| <b>5</b>  | Year set    |

N.B. in the event of a power cut lasting more than two days, the device loses the date and time setting. In this case, the values must be reset.



## DATE-TIME MODIFICATION PROCEDURE



## USER SET-POINT

This chapter describes the screenshots that can be accessed by a **short press** of the key.

**SET** appears on the DISPLAY. Use the and keys to scroll the items in the menu.

Use the key to confirm the selection and access the value of the item selected.

Use the and keys to adjust the value within the pre-defined fields.

Use the key to confirm the new value introduced.

Use the key, go back to the upper level until reaching the main display.

**N.B. on the basis of the type of data, the temperature symbol °C or humidity symbol %R.H. switches on, or no symbol switches on (if it is a constant for example).**

| First level | Second level | Description of the third level screenshot   |
|-------------|--------------|---|
| 1           | SEt          | 1 S_Hc Comfort temperature set in winter mode   |
|             |              | 2 S_hr Economy temperature set in winter mode   |
|             |              | 3 S_cc Comfort temperature set in summer mode   |
|             |              | 4 S_cr Economy temperature set in summer mode   |
|             |              | 5 S_UN Humidity set   |
| 2           | CF           | 1 nOde Setting the ON or OFF operating mode to control the LT Area and the HT Area. The VALUE field means "ON" or "OFF". If "OFF" is set, the main display will show "OFF".                 |
| 3           | t, nE        | 1 tE00 Setting TIME BAND or NORMAL operation. The VALUE field means "ON" or "OFF". If "ON" is set, the symbol switches on   |
| 4           | hour         | 1 0rE Display of the operating hours of the LT Area Pump, the timer is shown on the DISPLAY up to a maximum of 9999 hours.  |
|             |              | 2 rst RESET procedure: "OFF" is shown, which can be switched to "ON" using the  key. At this point, pressing the  key confirms the decision to reset the timer and then goes back to "rst". |
| 5           | ALL          | Display of alarm codes in progress. <b>See relevant paragraph.</b>  |

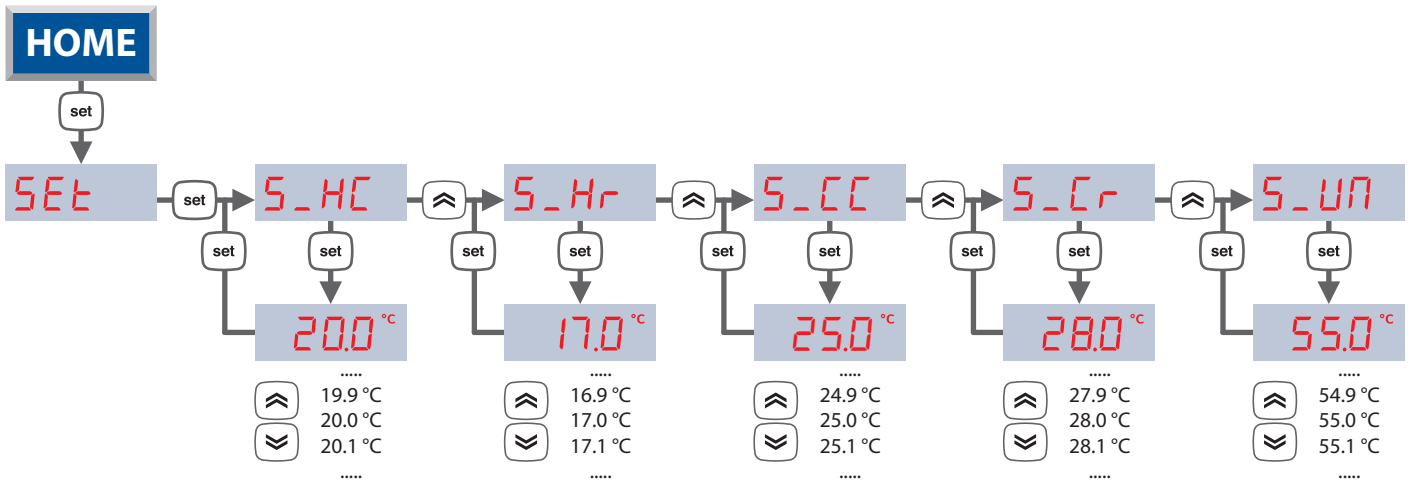


**ATTENTION:** The set-point value will follow the trend of the room only in the presence of the Easy Clima Controller installed. If this is not the case, the set-point set can affect the system flow temperature. The humidity set-point will have no function if there is no humidity probe installed in the room.





## SET-POINT MODIFICATION PROCEDURE



## MAIN VALUES SHOWN ON THE DISPLAY

In this chapter, select the data that will be displayed in the main screenshot and vary between the options described in the table below.

Access the menu with a long press of the key, and then:

- by pressing the / keys, scroll the main values displayed
- by pressing the key, exit the menu
- by pressing the key, the value is transferred into the main screenshot and the menu is exited

| First level  |              | Description   |
|--|--------------|---|
| 1  | <i>ANb</i>   | The <b>LT area room temperature</b> value will start to flash after a few seconds.<br>If the room probe is configured but not connected or in short circuit conditions, flashing will be shown <b>OUTr</b> on the DISPLAY.<br>If the room probe IS NOT configured, this screenshot will not be displayed      |
| 2  | <i>Est</i>   | The <b>external temperature</b> value will start to flash after a few seconds.<br>If the external probe is configured but not connected or in short circuit conditions, flashing will be shown <b>OUTr</b> on the DISPLAY.<br>If the external probe IS NOT configured, this screenshot will not be displayed. |
| 3  | <i>UN, d</i> | The <b>LT area room humidity</b> value will start to flash after a few seconds.<br>If the room probe is configured but not connected or in short circuit conditions, flashing will be shown <b>OUTr</b> on the DISPLAY.<br>If the humidity sensor IS NOT configured, this screenshot will not be displayed    |
| 4  | <i>nAnd</i>  | The flow temperature value will start to flash after a few seconds.<br>If the flow probe is configured but not connected or in short circuit conditions, flashing will be shown <b>Err</b> on the DISPLAY.  |
| 5  | <i>SEtN</i>  | After a few seconds the <b>Set-Point calculated for the Area mixed system flow</b> will start to flash.   |
| 6  | <i>POS</i>   | After a few seconds the current value of the <b>position from 0% to 100% of the area 1 mixing valve</b> starts to flash.  |
| (*) Levels visible only with parameter <i>tE00</i> = ON (see paragraph USER SET-POINT on page 8) |              |   |
| 7  | <i>OrA</i>   | (*) After a few seconds <b>the time in progress</b> is displayed in hours and minutes (e.g. 12:00) in a permanent way, with the flashing.   |
| 8  | <i>g, Or</i> | (*) After a few seconds the value of the <b>day of the month</b> in progress will be displayed (from 1 to 31)   |
| 9  | <i>nESE</i>  | (*) After a few seconds the value of the <b>month</b> in progress will be displayed.  |
| 10   | <i>AnnD</i>  | (*) After a few seconds the value of the year in progress will be displayed.<br>The last two characters indicating the year are displayed (e.g. for 2011 will be displayed <b>11</b> ).   |



### 3 TIME BAND MANAGEMENT

For various reasons, mainly linked to the necessity to save energy, it is useful to be able to differentiate device operation into time bands.

The “time band” control is only relative to the LT Area system.

The device allows time band management, with the division of each day of the week into time periods (time bands) in which the LT system controller can vary, on the basis of the program performed, from Comfort to Economy operating mode or in Stand-by.

#### EVENTS

The “event” concept is introduced to identify the various time bands.

For every event:

- The starting time (in hours and minutes)
- The operating mode that is activated (Comfort, Economy or Stand By)

#### PROFILES

To distribute the various events per day of the week, the “profile” concept is introduced.

For every profile:

- The profile number (up to a maximum of 3 different profiles can be defined)
- The distribution of the events within every profile, up to a maximum of 4 events for every profile

The profile to be associated can be specified for every day of the week. The default association will be “profile 1”.

**Note:** as the events available for every profile are HOWEVER 4, to disable an event (i.e. to reduce the number of time bands for a specific profile), it will be sufficient to give them the same start point and the same operating mode as the previous event.

#### PARAMETERS

To access the parameters modification described in the table below, follow the procedure given:



|                    | Mask | Description                      | U.M. | Min | Max | Note  | Default |
|--------------------|------|----------------------------------|------|-----|-----|---|---------|
|                    | tE00 | Enabling of time band management | Num  | On  | Off |   | Off     |
| WEEKLY PROGRAMMING | tE01 | Profile selection, Monday        | Num  | 1   | 3   | 1 = Profile 1<br>2 = Profile 2<br>3 = Profile 3 | 1       |
|                    | tE02 | Profile selection, Tuesday       | Num  | 1   | 3   |   | 1       |
|                    | tE03 | Profile selection, Wednesday     | Num  | 1   | 3   |   | 1       |
|                    | tE04 | Profile selection, Thursday      | Num  | 1   | 3   |   | 1       |
|                    | tE05 | Profile selection, Friday        | Num  | 1   | 3   |   | 1       |
|                    | tE06 | Profile selection, Saturday      | Num  | 1   | 3   |   | 2       |
|                    | tE07 | Profile selection, Sunday        | Num  | 1   | 3   |   | 2       |

**N.B. On Easy Clima Controller display TE01, TE02, ... TE07 screenshots are called MON, TUE, WED, THU, FRI, SAT, SUN**



|                  |              |  |     |   |    |  |    |
|------------------|--------------|--|-----|---|----|--|----|
| <b>PROFILE 1</b> | <i>EE 10</i> | Event 1 start hours, profile 1         | hh  | 0 | 23 |  | 6  |
|                  | <i>EE 11</i> | Event 1 start minutes, profile 1       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE 12</i> | Operating mode from event 1, profile 1 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0  |
|                  | <i>EE 17</i> | Event 2 start hours, profile 1         | hh  | 0 | 23 |  | 8  |
|                  | <i>EE 18</i> | Event 2 start minutes, profile 1       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE 19</i> | Operating mode from event 2, profile 1 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 1  |
|                  | <i>EE24</i>  | Event 3 start hours, profile 1         | hh  | 0 | 23 |  | 17 |
|                  | <i>EE25</i>  | Event 3 start minutes, profile 1       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE26</i>  | Operating mode from event 3, profile 1 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0  |
|                  | <i>EE31</i>  | Event 4 start hours, profile 1         | hh  | 0 | 23 |  | 22 |
|                  | <i>EE32</i>  | Event 4 start minutes, profile 1       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE33</i>  | Operating mode from event 4, profile 1 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 2  |
| <b>PROFILE 2</b> | <i>EE38</i>  | Event 1 start hours, profile 2         | hh  | 0 | 23 |  | 7  |
|                  | <i>EE39</i>  | Event 1 start minutes, profile 2       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE40</i>  | Operating mode from event 1, profile 2 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0  |
|                  | <i>EE45</i>  | Event 2 start hours, profile 2         | hh  | 0 | 23 |  | 13 |
|                  | <i>EE46</i>  | Event 2 start minutes, profile 2       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE47</i>  | Operating mode from event 2, profile 2 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 1  |
|                  | <i>EE52</i>  | Event 3 start hours, profile 2         | hh  | 0 | 23 |  | 17 |
|                  | <i>EE53</i>  | Event 3 start minutes, profile 2       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE54</i>  | Operating mode from event 3, profile 2 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0  |
|                  | <i>EE59</i>  | Event 4 start hours, profile 2         | hh  | 0 | 23 |  | 23 |
|                  | <i>EE60</i>  | Event 4 start minutes, profile 2       | mm  | 0 | 59 |  | 30 |
|                  | <i>EE61</i>  | Operating mode from event 4, profile 2 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 2  |



|                  |      |  |     |   |    |  |   |
|------------------|------|--|-----|---|----|--|---|
| <b>PROFILE 3</b> | tE66 | Event 1 start hours, profile 3         | hh  | 0 | 23 |  | 0 |
|                  | tE67 | Event 1 start minutes, profile 3       | mm  | 0 | 59 |  | 0 |
|                  | tE68 | Operating mode from event 1, profile 3 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0 |
|                  | tE73 | Event 2 start hours, profile 3         | hh  | 0 | 23 |  | 0 |
|                  | tE74 | Event 2 start minutes, profile 3       | mm  | 0 | 59 |  | 0 |
|                  | tE75 | Operating mode from event 2, profile 3 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0 |
|                  | tE80 | Event 3 start hours, profile 3         | hh  | 0 | 23 |  | 0 |
|                  | tE81 | Event 3 start minutes, profile 3       | mm  | 0 | 59 |  | 0 |
|                  | tE82 | Operating mode from event 3, profile 3 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0 |
|                  | tE87 | Event 4 start hours, profile 3         | hh  | 0 | 23 |  | 0 |
|                  | tE88 | Event 4 start minutes, profile 3       | mm  | 0 | 59 |  | 0 |
|                  | tE89 | Operating mode from event 4, profile 3 | Num | 0 | 2  | 0 = Comfort<br>1 = Economy<br>2 = Stand by | 0 |

## ENABLING

“Time band” operation can be activated with the tE00 time band management enabling parameter. Moreover, the RTC (internal clock) must be present and enabled to operate (it must not be faulty and/or not regulated, for further details refer to the specific alarms).

The “Time band” operating mode only affects the operating mode change from ON-Comfort to STAND-BY, from ON-Economy to STAND-BY, from ON-Comfort to ON-Economy, and vice versa.

The mode change procedure always takes place with the rules (times, etc.) envisioned by the basic adjustment. The time band management is an exclusive function of the parameters set.

## PRIORITY

In the “time band” management ambit, the change events mode has the same priority as the local change mode via keyboard and serial port, clearly limited to ON-Comfort, ON-Economy and STAND-BY.

Refer to that stated in the “Selection of the operating mode” (priority level 4).

For example: if a change intervenes in manual mode from keyboard, which implements an ON-Economy with time band management enabled, which managed an ON-Comfort, the effect of this manual ON-Economy operation will have immediate priority, but will ONLY remain valid until the successive event envisioned by the “time band” management, which will then retake control of the operating mode.

The events all have the same priority level: the controller behaves according to the last event occurring. In the event of simultaneous events, the one with the lowest index is performed (1,2,3 or 4).

## BLACK OUT

1. Time band management DISABLED: when the black-out is restored, the device behaves with mode already defined.
2. Time band management ENABLED: when black-out is restored, the device assumes the status of the last event occurring before the black-out.

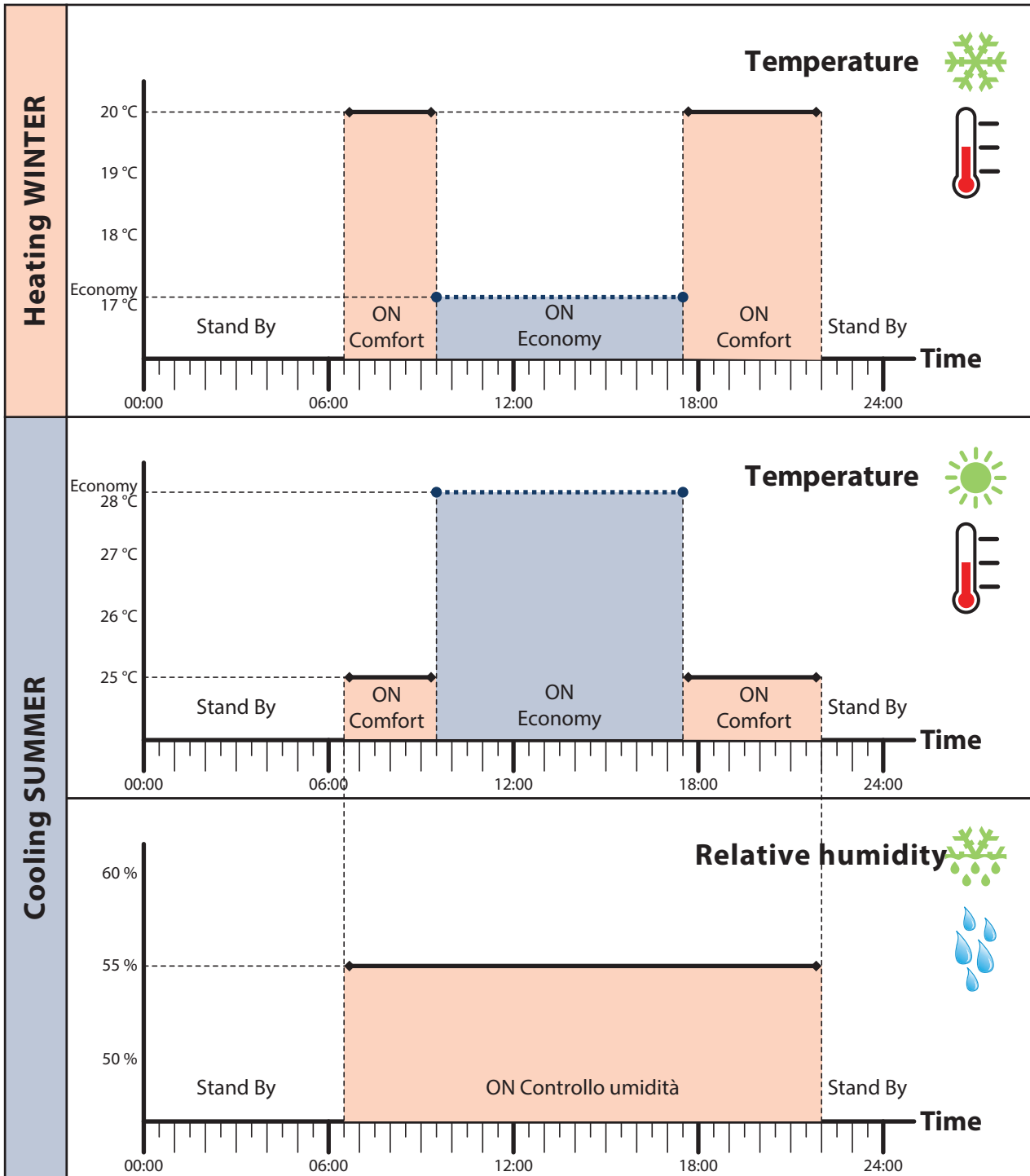


## EXAMPLE OF TIME BANDS PROGRAMMING

Below find an example of the structure of profile 1 containing 4 events:

- Event 1 = start time 06.30 – ON-Comfort operating mode
- Event 2 = start time 09.30 – ON-Economy operating mode
- Event 3 = start time 06.30 – ON-Comfort operating mode
- Event 4 = start time 22.00 – Stand-By operating mode

## SYSTEM OPERATING WITH PROFILE 1 GRAPHICS



N.B. Dehumidification is only enabled in the summer. Its operation is forced in Stand-By (dehumidifier off) in concomitance with the stand-by event set. In the other cases, dehumidification is controlled with the set in the **5-UN** parameter.



## WEEKLY MANAGEMENT TABLE

Below find an assignment example of the 3 profile in the days of the week:

| Screenshot | Day       | Profile |
|------------|-----------|---------|
| tE01       | Monday    | 1       |
| tE02       | Tuesday   | 1       |
| tE03       | Wednesday | 1       |
| tE04       | Thursday  | 1       |
| tE05       | Friday    | 1       |
| tE06       | Saturday  | 2       |
| tE07       | Sunday    | 3       |

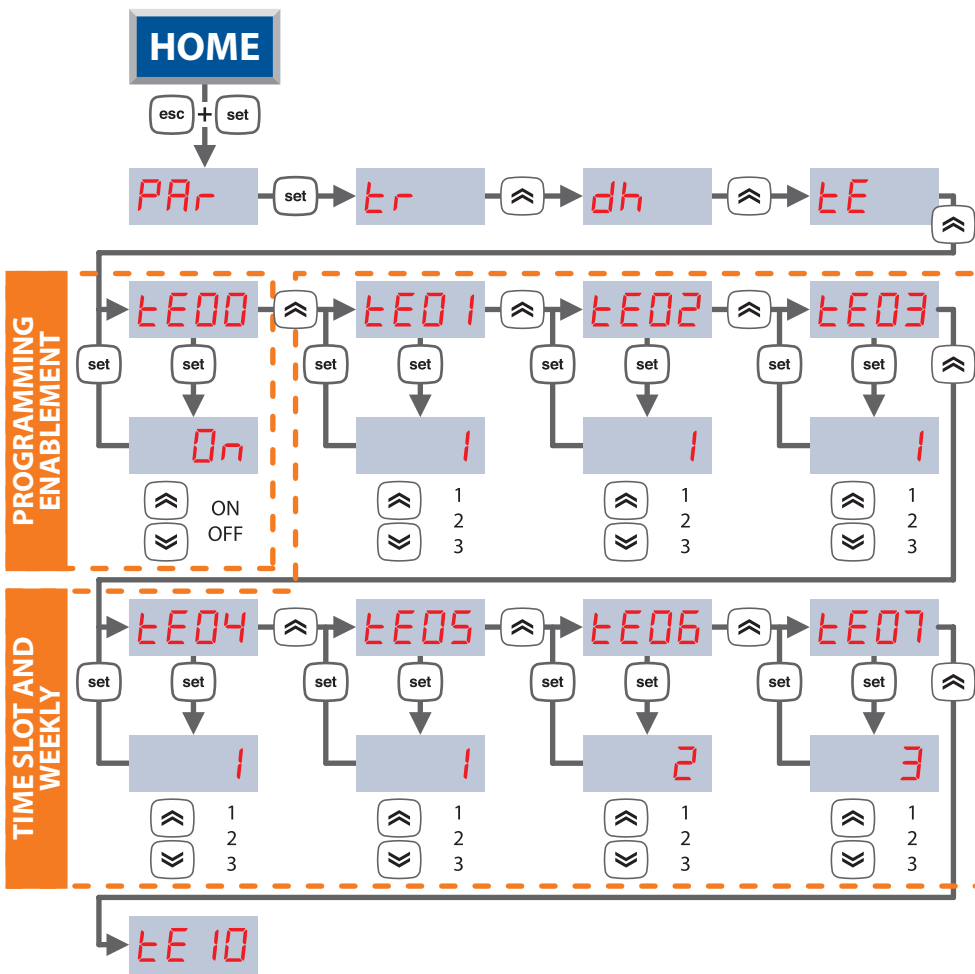
## TIME BAND PROGRAMMING PROCEDURE

Below find an example of the structure of profile 2 containing 4 events:

- Event 1 = start time 06.30 – ON-Comfort operating mode
- Event 2 = start time 09.30 – ON-Economy operating mode
- Event 3 = start time 06.30 – ON-Comfort operating mode
- Event 4 = start time 22.00 – Stand-By operating mode

Below find an example of the structure of profile 3 containing 4 events:

- Event 1 = start time 06.30 – ON-Comfort operating mode
  - Event 2 = start time 22.00 – Stand-By operating mode
- events 3 and 4 will be programmed as the event 2 so that these are annulled.





PROFILE 1

EE07

EE10

EE11

EE12

EE17

EE18

EE19

06

30

0

9

30

1

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

EE24

EE25

EE26

EE31

EE32

EE33

17

30

0

22

00

2

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

PROFILE 2

EE38

EE39

EE40

EE45

EE46

EE47

06

30

0

09

30

1

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

EE52

EE53

EE54

EE59

EE60

EE61

12

15

0

22

00

2

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

PROFILE 3

EE66

EE67

EE68

EE73

EE74

EE75

08

00

0

22

00

2

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

EE80

EE81

EE82

EE87

EE88

EE89

22

00

2

22

00

2

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3

1  
2  
3



## 4 EASY CLIMA CONTROLLER

### DESCRIPTION

Room interface from Easy Clima Controller is an optional device that can be coupled to Easy Clima controller. The interface allows you to remote control the information on the Easy Clima controller in the room. Fitted with temperature and humidity probe, it allows to control the winter temperature, the summer temperature and dehumidification.



### DESCRIPTION OF KEYS

#### Short press keys table\*

| Key | Description                               |
|-----|---|
|     | Modification of the temperature set-point |
|     | Modification of the temperature set-point |
|     | Set-point modification                    |

\* Operation from main display, for the use from menu, see the successive user paragraphs

#### Long press keys table

| Key   | Description      |
|-------|------------------|
| (☀/❄) | Season change    |
| (⏻)   | Economy/Comfort  |
|       | Set main display |
| (⏻)   | Stand by/On      |

#### Key combination table

| Key | Description  |
|-----|--|
| +   | <ul style="list-style-type: none"> <li>Time Band programming</li> <li>Parameters programming (see technical manual)</li> </ul> |

### DESCRIPTION OF SYMBOLS AND ICONS

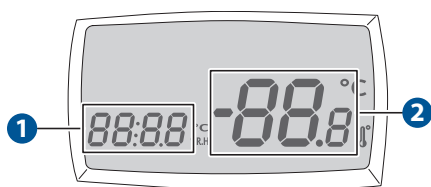
#### Summary table of the symbols and icons

| Icon          | Description              | Icon | Description                                 |
|---------------|--------------------------|------|---|
|               | Cooling icon             |      | Menu icon                                   |
|               | Heating icon             |      | Low temperature system solenoid valve icon  |
|               | Stand-by icon            |      | Low temperature system pump icon            |
|               | Dehumidification icon    |      | Modulating mixing valve                     |
|               | Economy icon             |      | Chiller icon                                |
|               | Alarm icon               |      | Boiler icon                                 |
|               | Time band operating icon |      | High temperature system solenoid valve icon |
|               | °C                       |      | High temperature system pump                |
| %R.H. icon"/> | % R.H.                   |      |   |



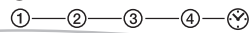


## DESCRIPTION OF DISPLAY



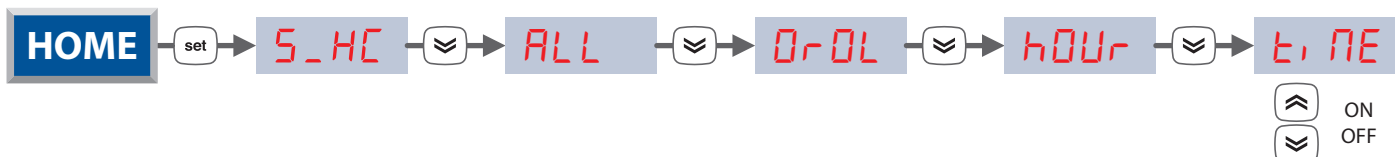
| Num | Description  |
|-----|--|
| 1   | small display for showing: <ul style="list-style-type: none"> <li>• time (hh: mm)</li> <li>• label menu</li> <li>• label parameters</li> <li>• label alarms</li> </ul> |
| 2   | large display for showing: <ul style="list-style-type: none"> <li>• temperature</li> <li>• parameters folders</li> <li>• parameters value</li> </ul>                   |

## SET-POINT MODIFICATION

| Label       |              | Parameters   |             |
|-------------|--------------|--|-------------|
| First level | Second level | Description  |             |
| 1           | S_HC         | Comfort temperature set in winter mode   |             |
| 2           | S_hr         | Economy temperature set in winter mode   |             |
| 3           | S_CC         | Comfort temperature set in summer mode   |             |
| 4           | S_Cr         | Economy temperature set in summer mode   |             |
| 5           | S_UN         | Humidity set   |             |
| 6           | NOdE         | Setting the ON or OFF operating mode to control the LT Area and the HT Area. The VALUE field means "ON" or "OFF". If "OFF" is set, the main display will show "OFF".                                 |             |
| 7           | t, NE        | Setting TIME BAND or NORMAL operation. The VALUE field means "ON" or "OFF". If ON is set, the  symbol switches on |             |
| 8           | hOUR         | Display of the operating hours of the LT Area Pump, the timer is shown on the DISPLAY up to a maximum of 9999 hours.   |             |
| 9           | OrOL         | 1 HOUr   | Hour set    |
|             |              | 2 n, n   | Minutes set |
|             |              | 3 9, Or  | Day set     |
|             |              | 4 nESE   | Month set   |
|             |              | 5 AnnO   | Year set    |
| 10          | ALL          | Display of alarm codes in progress. <b>See relevant paragraph.</b>   |             |

## TIME BAND MANAGEMENT

"Time band" operation by Easy Clima controller can be activated with the "time" band management enabling parameter.



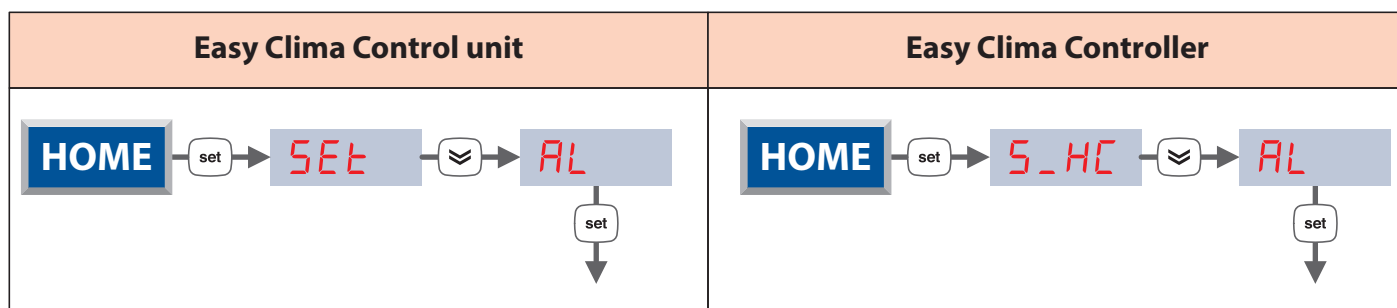
For management of the time bands follow the instructions described below to access the parameters and "3 Time Band Management" chapter for all details regarding programming.





## 5 DIAGNOSTICS

The diagnostics consists in the management of everything that is associated to the alarms. For Easy Clima device, all alarms have "automatic rearm".



Below find the list of various alarm codes that appear and their diagnostic meaning:

| Code | Alarm  | Alarm management  | Digital/Analogue |
|------|--|---|------------------|
| Er00 | General alarm  | All outputs are switched off  | Digital          |
| Er01 | LT Flow Temperature Probe Error  | All outputs are switched off  | Analogue         |
| Er02 | External Temperature Probe Error   | Operation without Ext. probe  | Analogue         |
| Er03 | Area 1 Room Temperature Probe Error  | Operation without Env. probe  | Analogue         |
| Er04 | Area 1 Room Humidity Probe Error from AIL2   | Operation only with humidistat in DIL5 or with 4-20 mA probe in AIL3  | Analogue         |
| Er04 | Area 1 Room Humidity Probe Error from AIL3   | Operating only with humidistat in DIL5  | Analogue         |
| Er05 | Clock fault error  | Operating without automatism of the time bands (reset date/time)  | Digital          |
| Er06 | Exceeding humidity maximum threshold in progress                                   | Dehumidifier switch-off with Chiller and system (HT or LT ) remaining in operating mode                                     | Digital          |
| Er07 | Automatic stand-by in progress   | Anti-freeze management only   | Digital          |
| Er08 | LT system temperature below lower SAFETY limit, parameter <a href="#">Er31</a>     | Switch-off of all LT system loads. Manual rearm in main page with long pressure of the "ESC" key until the error disappears | Digital          |
| Er09 | LT system higher temperature SAFETY limit exceeded, parameter <a href="#">Er30</a> | Switch-off of all LT system loads. Manual rearm in main page with long pressure of the "ESC" key until the error disappears | Digital          |
| Er46 | Clock to adjust error  | Operating without automatism of the time bands  | Digital          |



CLICK | SCAN



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