

# Wired Touch panel

EN USER INSTRUCTIONS

# RIELLO

Dear customer,

Thank you for choosing a **RIELLO** product, an innovative and high quality appliance that guarantees wellbeing for a long time.

This manual contains information we deem necessary for correct and easy use.

Thanks again.

*RIELLO*

## COMPLIANCE

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The appliances **RIELLO Wired touch control sono conformi** with European Directives:

- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility Directive 2014/30/EU
- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU



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The following symbols are used in this publication:

 **WARNING** = actions requiring special care and appropriate training.

 **DO NOT** = actions that **MUST ON NO ACCOUNT** be carried out.

This booklet cod. Doc-0101181 rev. 0 (03/2021) consists of 24 pages.

## 1 GENERAL INFORMATION

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### 1.1 General Notices

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 When you get the product, check immediately that the contents are all present and undamaged. Contact the dealer **RIELLO** if you notice any problems.

 The product's installation must be carried out by an authorised company that will issue a declaration of the installation's conformity to the product's owner once the work has been completed, indicating that the work has been carried out in accordance with the standards of good practice, current National and Local regulations, and the indications provided by **RIELLO** in the instruction booklet accompanying the device.

 The product must be used for its intended purpose, as stated by **RIELLO** for which it has been expressly manufactured. **RIELLO** shall bear no responsibility, whether of a contractual or non-contractual nature, for any damage caused to people, animals, or property due to incorrect installation, adjustments, or maintenance, or improper use.

 During storms, set the main switch to "Off".

 Comply with the legislation in force on the country of deployment with regard to the use and disposal of packaging, of cleaning and maintenance products and for the management of the unit's decommissioning.

 Any repair and maintenance interventions must be carried out by **RIELLO** Technical Support Service, in accordance with the provisions contained in this publication. Do not modify or tamper with the unit as dangerous situations may arise and the unit manufacturer will not be liable for any damage caused.

 This booklet is an integral part of the device, and must therefore be carefully preserved, and must ALWAYS accompany it, even in the event that it is sold to another Owner or User, or is transferred to another system. If it is damaged or lost, another copy can be requested to **RIELLO** Technical Support Service in your Area.

### 1.2 Safety precautions

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It should be noted that the use of products that utilize electric energy requires certain essential safety regulations to be respected, including the following:

 Do not allow children or unassisted disabled people to use the unit.

 Do not touch the unit while barefoot and/or partially wet.

 Do not spray or throw water directly on the unit.

 Do not pull, detach or twist the electrical wires coming out of the unit, even when the unit is disconnected from the power grid.

 The packing material must not be disposed of in the surrounding environment and must be kept out of children reach, as it can be dangerous. It must be disposed of according to the regulations in force.

### 1.3 Energy saving tips

**!** Cover the windows with a shutter or a curtain to block the entrance of sunlight, increasing the cooling effect.

**!** Maintaining the temperature setting at a moderate level helps save energy.

Recommended temperature settings:  
— for cooling: 26–28 °C

— for heating: 20–24 °C

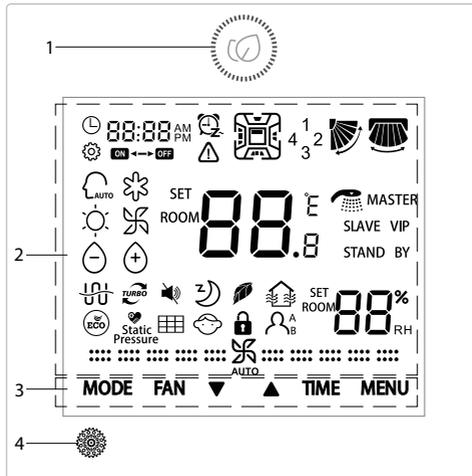
### 1.4 Unit description

Control, setting and programming operations are carried out with the control panel. The electronics modulates the device operation according to the temperatures detected by the probes inside the indoor and outdoor units.

### Control panel display

The control panel display shows the settings as changed by the user and the detected weather conditions.

The backlit display is divided in areas.



- 1 On / off button and screensaver
- 2 Available icons

- 3 Function keys
- 4 Infrared receiver

## Operating mode

-  Smart mode enabled
-  Cooling mode enabled
-  Heating mode enabled
-  Ventilation mode enabled
-  Dehumidification mode enabled

## Functions

Access to the following functions is performed sequentially by pressing the **MENU** key and work on ▼▲.



- Detected ambient humidity
- Value of the desired humidity when pressing the increase and decrease keys



- Vertical air deflector activated (available for some models only)



- Horizontal air deflector activated (available for some models only)



- Not available



- Not available



- Sleep function enabled



- Not available



- Not available



- Energy Saving function on



- Available static pressure setting activated (available for some models only)



- Filter cleaning function enabled (visible in the cycle only when filter cleaning is required)



- Follow me function activated (available only for some models)



- Anti-freeze function activated (available only for some models)



- Air flow upwards function (available only for some models)



- Air flow downwards function (available only for some models)

## Other icons

	Display current time Alarm display
	Timer setting value Switch on timer enabled Switch off timer enabled
	Cassette deflectors function enabled
	Parental lock function activated
	Lock function activated
	Centralized control enabled
	Fan speed set
AUTO	Automatic speed enabled
	Setting mode enabled
	Alarm mode enabled

## Function keys

The control panel is equipped with touch function keys which can activate functions such as choosing the operating mode, setting the desired temperature, timer and the motorized deflector.

	Allows you to switch the display off and on
Mode	Allow to select the operating mode
	Decreases the value of the selected parameter
	Increases the value of the selected parameter
Fan	Select required ventilation speed: superminimum (if available), minimum, medium, maximum, maximum power (if available) or automatic
Time	Allows access to the timer settings and current time changing
MENU	Allows access to the functions

## 2 INSTALLATION

### 2.1 Receiving the product

The appliance is delivered in a single pack, protected by cardboard packaging. The following items can be found inside the packaging:

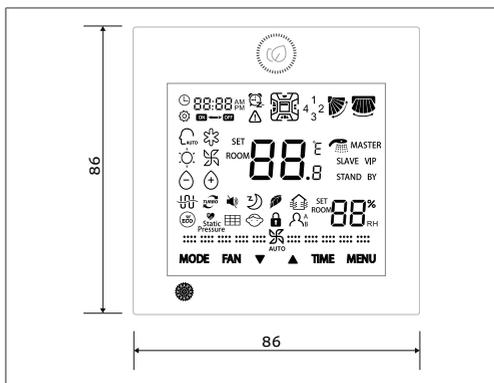
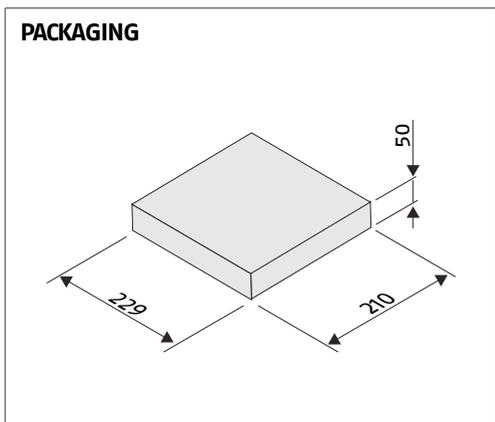
Document envelope:

- Installer and user instruction booklet in Italian
- Installer and user instruction booklet in English
- control panel
- cable with connectors
- 2 screws and anchor bolts for wall fixing

**⚠** The Instruction book comes with the equipment and it should be taken, read and kept carefully.

**⚠** The document envelope must be kept in a safe place. Any duplicate must be requested from Riello S.p.A. which reserves to charge the cost.

### 2.2 Dimensions and weight

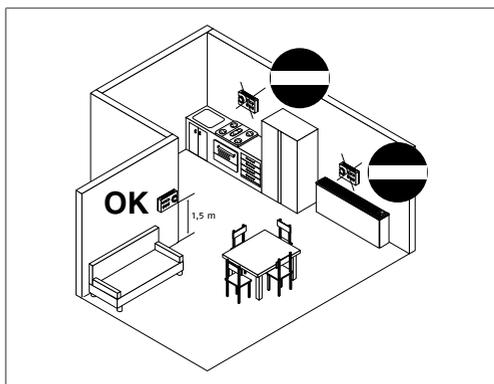


### 2.3 Storage

**⚠** The product must be stored according to the regulations in force.

### 2.4 Place of installation

The location of the device must be determined by the system's designer or by another competent person, and must take into account the technical requirements, as well as any current local regulations. The control panel is designed for indoor wall installation.



**Check that:**

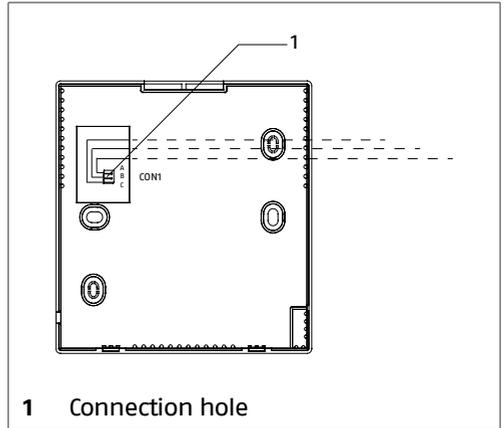
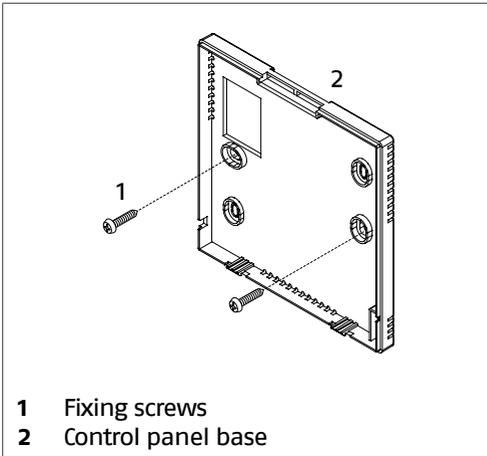
- the position is about 1.5 m off the ground
- installed taking into consideration the maximum length of the connecting cable. see the chapter "Electrical connection"

**Avoid:**

- installation on a perimeter wall
- walls crossed by cold or hot piping
- installation near doors or windows, cooking equipment, radiators, fan coils or generally in conditions that might alter the measured temperatures
- placing the unit less than 1 metre away from radio and video systems

## 2.5 Positioning

The installation requires the positioning of the control panel on the wall.



**1** Connection hole

- separate the device from base
- use the base as template
- mark fixing holes
- use a drill
- drill the wall
- use anchor bolts

- insert the connector through the connection hole
- fix the base on the wall
- link the connector to the device
- hook the device to the base

## 2.6 Electrical connection

The appliance only needs to be connected to the air conditioning system devices that are being used.

### Connection to system appliances

For sizing the signal cable, use the table below:

Minimum length	Maximum length	Cable diameter
m	m	mm <sup>2</sup> x n
0	100	0,3 x 3
100	200	0,5 x 3
200	300	0,75 x 3

**⚠** The connection is polarised, respect the correct sequence.

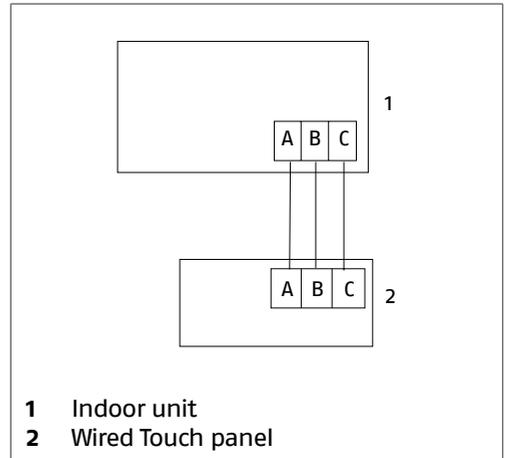
**⚠** Use a shielded double pole cable.

**⚠** The connecting cable must be connected to ground.

**⚠** The connection cable must not have joints; if these are required, they should be tinned and suitably protected.

**⚠** Any ducting of the connection cable must be separated from voltage cables.

— make electrical connections according to the diagrams below



**⚠** The connection is polarised, respect the correct sequence.

### Mandatory items:

- make sure that the electrical power supply system is compliant with the current national safety standards
- for any electrical intervention, always refer to the wiring diagrams contained within this booklet
- take anti-static precautions in case of weather conditions where humidity is less than 40%

**⚠** Electric connections shall be made in compliance with national regulations.

**⚠** Avoid placing the connection cables less than 1 metre away from radio and video systems.

**⚠** Avoid using mobile phones.

**⊖** It is forbidden to earth the device together with pipes, lightning conductors or the earthing system of a telephone line. Using an improper earthing system can cause electric shocks.

## 3 USE

### 3.1 Initial settings

The control panel was designed to ensure user-friendliness even with no special programming.

To activate, just power on and set current time.

#### 3.1.1 Start-up

To switch on:

- press 

The control display comes on and shows all icons.

At the first commissioning and after the reset, the control panel performs an initialization procedure:

- the green LED flashes

The display shows the following icons in sequence:

-  in the upper left corner

- 

-  in the lower right corner

-  in the upper left corner

#### Time setting

The current time must be set before using the control panel:

- press for 5 seconds **Time**

 At the first start up it's possible to set the time until 10 seconds without press **Time**.

- press **Time** to select minutes or hours

- work on  

- set minutes and current time

Each time the key is pressed, the values changes by 1. By keeping the key pressed down, the value changes faster.

- confirm with **MENU**

Abort:

- wait 10 seconds

Alternatively:

- press **Mode** or **Fan** to cancel and turn off the control panel

 It is not possible to adjust the time during the setting of the Timer and the Night function.

### 3.2 Functions

#### Cooling mode

The Cooling mode allows starting and use of the air conditioner as a producer of cold and dehumidified air. About the recommended outdoor temperature for activating the function, refer to the manual of the external unit used.

Required ambient temperature available range is between 16 °C and 30 °C.

- Activation

- press in sequence **Mode** until the  appears

Set required temperature as follows:

- work on  

Value is stored with no need to press other buttons.

- Switch-off

- select another operating mode

Alternatively:

- press  to turn off the control panel

## Heating Mode

The Heating mode allows starting and use of the air conditioner as a hot air producer. About the recommended outdoor temperature for activating the function, refer to the manual of the external unit used.

Required ambient temperature available range is between 16 °C and 30 °C.

Activation

- press in sequence **Mode** until the  appears

Set required temperature as follows:

- work on  

Value is stored with no need to press other buttons.

- Switch-off
  - select another operating mode

Alternatively:

- press  to turn off the control panel

## Dehumidification mode

Dehumidification mode allows starting and using the system to reduce ambient humidity.

Required ambient temperature available range is between 16 °C and 30 °C.

The equipment will operate at displayed ventilation speed. When the delta between ambient temperature and set temperature is below two degrees, the equipment will operate intermittently at the minimum ventilation speed.

- Activation
  - press in sequence **MENU** and  until the  appears

Set required temperature as follows:

- work on  
- press **MENU** to confirm

Value is stored with no need to press other buttons.

- Switch-off
  - select another operating mode

Alternatively:

- press  to turn off the control panel

## Ventilation mode

The Fan mode allows the user to turn on only the fan, so as to recirculate and filter ambient air.

- Activation
  - press in sequence **Mode** until the  appears

 The equipment will operate at selected ventilation speed.

 During operation in Ventilation mode, automatic speed cannot be selected.

- Switch-off
  - select another operating mode

Alternatively:

- press  to turn off the control panel

## Smart mode

In Automatic mode, equipment automatically changes operating mode, toggling between Cooling and Heating to keep a constant ambient temperature when outdoor conditions change.

Temperature settings are preset.

- press in sequence **Mode** until the  appears

Set required temperature as follows:

- work on  

Value is stored with no need to press other buttons.

- Switch-off
  - select another operating mode

Alternatively:

- press  to turn off the control panel

## Adjusting ventilation speed

Ventilation speed can be adjusted in the following modes:

- Cooling
- Heating
- Dehumidification
- Ventilation



- A** Super minimum speed \*
- B** Minimum Speed
- C** Medium Speed
- D** Maximum Speed
- E** Super maximum Speed \*
- F** Automatic speed \*

\* Available for some models only

Set required ventilation speed as follows:

- work on **Fan**
- Each press will select a different speed.

If selected **AUTO**, the speed changes automatically according to preset strategies. Maximum power speed and Supermax power forces equipment operation at maximum to quickly achieve ambient required conditions.

## Hourly programming

Hourly programming allows user to set equipment on and off times. Switch-on occurs in the current operating mode.

## Automatic switch-on

Automatic switch-on programming allows user to set equipment ON time.

Before activation, set current time.

- Activation
  - press **Time**
  - Control panel display shows .
- Set required time as follows:
  - press **Time** to select minutes or hours
  - work on

Each time the key is pressed, the values changes by 1. By keeping the key pressed down, the value changes faster.

— confirm with **MENU**

- Abort:
  - press **Mode** or **Fan**
- Alternatively:
  - wait 10 seconds
- Switch-off
  - press in sequence **Time** until all the indications relative to the time programming have disappeared

Programming remains active even when control panel is off.

## Automatic switch-off

Automatic switch-off programming allows user to set equipment OFF time.

Before activation, set current time.

- Activation
  - press in sequence **Time** until the appears

- Set required time as follows:
  - press **Time** to select minutes or hours

— work on ▼▲

Each time the key is pressed, the values changes by 1. By keeping the key pressed down, the value changes faster.

— confirm with **MENU**

- Abort:

— press **Mode** or **Fan**

- Alternatively:

— wait 10 seconds

- Switch-off

— press in sequence **Time** until all the indications relative to the time programming have disappeared

### Automatic start and stop (combined function)

Timer functions can also be activated in combination. Two configurations are available.

#### Timer on-off

The function is activated when the Timer on is earlier than the Timer off.

#### Timer off-on

The function is activated when the Timer off is earlier than the Timer on.

- Activation

— press in sequence **Time** until the

88:88%  


appears

- Set required time as follows:

— press **Time** to select minutes or hours

— work on ▼▲

Each time the key is pressed, the values changes by 1. By keeping the key pressed down, the value changes faster.

— confirm with **MENU**

- Abort:

— press **Mode** or **Fan**

- Alternatively:

— wait 10 seconds

- Switch-off

— press in sequence **Time** until all the indications relative to the time programming have disappeared

### Room humidity setting

Required ambient humidity available range is between 30% and 70%.

- Activation

— press **MENU** to enter the function cycle

— work on ▼▲ until the intermittent

SET ROOM RH  
 appears

- Set required humidity as follows:

— work on ▼▲

— select the desired value.

— press **MENU** to confirm

- To set an automatic selection:

— when the value is 30%

— press ▼ again

— **Auto** appears on display

- Alternatively:

— when the value is 70%

— press ▲ again

— **Auto** appears on display

— press **MENU** to confirm

### Horizontal motorised deflector

The horizontal motorised deflector controls the vertical air flow by setting a preferred outlet tilt or activating automatic operation. Set required deflector position as follows:

- Activation

— press **MENU** to enter the function cycle

— work on   until the intermittent  appears

— press **MENU** to confirm

The  icon stay fixed.

- If the exit angle can be set:

— press **MENU** to enter the function cycle

— work on   until the intermittent  appears

— press **MENU**

— work on  

— select required position

Each press will select a different position.

— press **MENU** to confirm

Abort:

— wait 10 seconds

Alternatively:

— press **Mode** or **Fan** to cancel and turn off the control panel

 In environments with high humidity, condensation may form on the deflector during operation in Cooling and Dehumidification mode. In this situation, if the deflector is kept in vertical position for a long time, condensation may fall on the objects below.

 Do not set under the equipment any objects susceptible to get damaged in contact with water.

 When climate control system is turned off, the horizontal deflector will close automatically.

 Do not manually move the deflector.

## Vertical motorised deflector

The vertical motorised deflector controls the horizontal air flow by setting a preferred out-

let tilt or activating automatic operation.

 The Vertical Deflector is available on some indoor unit models.

Set required deflector position as follows:

- Activation

— press **MENU** to enter the function cycle

— work on   until the intermittent  appears

— press **MENU** to confirm

The  icon stay fixed.

- If the exit angle can be set:

— press **MENU** to enter the function cycle

— work on   until the intermittent  appears

— press **MENU**

— work on  

— select required position

Each press will select a different position.

— press **MENU** to confirm

Abort:

— wait 10 seconds

Alternatively:

— press **Mode** or **Fan** to cancel and turn off the control panel

 Do not manually move the deflector.

## Sleep function

The Sleep function allows user to select a time period throughout which the equipment will change reference ambient temperature:

- increasing it in Cooling and Dehumidification mode
- decreasing it in Heating mode

 In Smart mode: depending on the operating mode selected by the programme.

**!** In the Sleep function, fan will decrease its set speed by one.

- Activation
  - press **MENU** to enter the function cycle
  - work on **▼▲** until the intermittent  appears

Control panel display shows  with

the period of time.

- To set the time period:
  - press **Time**
  - work on **▼▲**
  - the time period can be set from 0.5 to 72 hours
  - press **MENU** to confirm
- Abort:
  - press **Mode** or **Fan**
- Alternatively:
  - wait 10 seconds
- Switch-off

**!** The Auto Off Timer function can be set simultaneously with the Night function. In this case the priority will be assigned to the Auto Off Timer function.

## Selection of available static pressure

It can be selected the static pressure values through the control panel.

**!** Function available for some models only.

**!** If the display is off when the Sleep function is activated, it will be cleared.

## Energy Saving function

The appliance works by adopting energy saving logics. The temperature setting values are pre-setted by the program.

The Energy Saving function can be turned on in the following modes:

- Heating
- Cooling
- Dehumidification

- Activation

- press **MENU** to enter the function cycle
- work on **▼▲** until the intermittent  appears
- press **MENU** to confirm

The  icon stay fixed.

- Switch-off

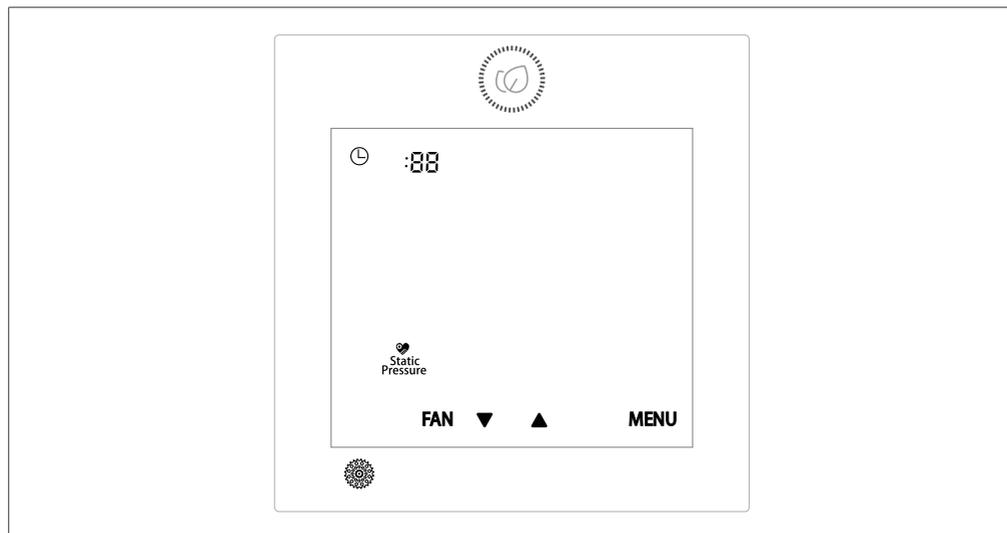
- press **MENU** to enter the function cycle
- work on **▼▲** until the intermittent  appears
- press **MENU** to confirm

The  icon disappears.

**!** Energy Saving function efficiency is higher after at least two hours of operation.

## Available static pressure (Pa)

Mod.	Available static pressure level setting									
	1	2	3	4	5	6	7	8	9	10
100 PB	25	37	50	70	90	100	110	120	130	150
125 PB	25	37	50	70	90	100	110	120	130	150
140 PB	25	37	50	70	90	100	110	120	130	150
125 PC	40	50	60	80	100	120	150	180	200	250
140 PC	40	50	60	80	100	120	150	180	200	250



- switch on the control panel or exit from screen saver mode
- hold down the keys simultaneously **Fan** and **MENU** for 5 seconds.

On the display the icon  will start to flash and the static pressure previously set or factory setting will be displayed.

- To change:
  - press the keys   to decrease or increase the value
- To confirm:
  - press **MENU** again

 The unit number is displayed with **88** in the minute field of the clock, in the top left corner.

 The static pressure value is displayed in decimal value between 01 and 10.

 When editing, press the button  to exit the function and switch the unit on / off, without confirming the changes.

 This function can also be accessed via the function cycle.

## Anti-freeze function

In case of long periods away during winter

time, the Anti-freeze function maintains the room at a temperature sufficient to avoid freezing.

 Function available for some models only.

 The Antifreeze function is visible in the function cycle only in the Heating mode.

The Anti-freeze function can be turned on in the following modes:

- Heating
- Activation
  - press **MENU** to enter the function cycle
  - work on   until appears writing "10 °C" blinking
  - press **MENU** to confirm

The temperature value is fixed at 10 °C.

 The equipment will operate at selected ventilation speed.

 The equipment will operate to keep room temperature at 10 °C.

- Switch-off
  - press **MENU** to enter the function cycle
  - work on   until appears writing "10 °C"
  - press **MENU** to confirm

The temperature value is not fixed at 10 °C and it is possible to change.

## Parental lock function

Prevent any accidental control by locking remote control buttons.

- Button locking
  - press **MENU** and  simultaneously for 5 seconds

Remote control display shows .

- Button unlocking
  - press **MENU** and  simultaneously for 5 seconds

 disappears in the display of the remote control

 When the Parental lock function is active all other functions are not available.

## Screensaver function

The screensaver function allows the display to be switched off when not required for carrying out the operations, providing energy savings.

The time after which the screen saver starts can be set between: 15, 30, 60 seconds.

Factory setting value is 15 seconds.

 By setting the value to 0 seconds, the display is always on.

- Activation:
  - press **Time** and  simultaneously for 5 seconds
  - work on  
  - confirm with **MENU**

 To change the screen saver function when the cooling mode is active, press **MENU** and work on  , then press **Time** and  simultaneously for 5 seconds.

## Selecting the temperature measurement unit

If required, it is possible to change the temperature measurement unit.

The available units are:

- Celsius °C
- Fahrenheit °F
- It switches the temperature scale from

Celsius to Fahrenheit:

— set temperature 30° in each operating mode

— press for 15 seconds ▲

It switches the temperature scale from Fahrenheit to Celsius:

— set temperature 60°F in each operating mode

— press for 15 seconds ▼

## Alarm indication

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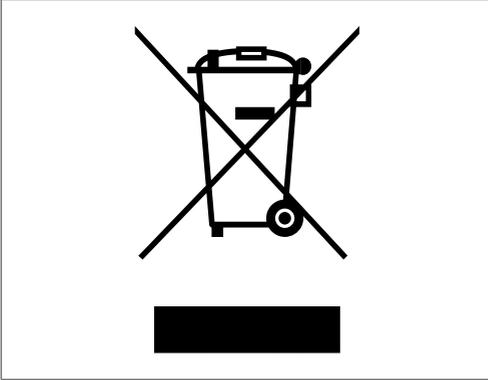
Anomalies are indicated by  symbol and identified by a code.

- To display the code:
  - press for 5 seconds Time
- The code is displayed in the top left corner:
  - the first two digits indicate the currently active alarm
  - the second two digits indicate the history
- To view the history:
  - press Time
- Alarm reset:
  - press for 5 seconds Time

## **4 DISPOSAL**

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Packing materials must be disposed of separately, in order to be recovered and recycled. Equipment at end of life and flat batteries must be disposed of as required by prevailing law and regulations.









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As the manufacturer is constantly improving its products, the aesthetic or dimensional features, the technical data, the equipment and accessories indicated could be subject to variations.