



N420914A - Rev.02 - 02/24

Filomuro range

EEA649 - EEB649 - EFA649 - EFB649
EEB749 - EGB749 - B3V151

First of all, we would like to thank you for having chosen a device of our production.

We are sure you will be happy with it because it represents the state of the art in the technology of home air conditioning.

By following the suggestions contained in this manual, the product you have purchased will operate without problems giving you optimum room temperatures with minimum energy costs.

INNOVA S.r.l.

Conformity

Refer to the Installation Manual of the paired unit.

Markings



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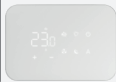





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CODING

- ⚠ The present manual refers to the products:**
- Filomuro Slim Fit
 - Filomuro Slim Fit XL
 - Filomuro built-in


1.1 Coding accessories			
Accessory description		Combinable products	Code
Wall-mounted control panels M7 series			
Control panels			
	LED electronic control panel with touch interface, wall-mounted complete with thermostat and room temperature and relative humidity probe. Cable connection. Colour white	All	EEB749II
	LED electronic control panel with touch interface, wall-mounted complete with thermostat and room temperature and relative humidity probe with integrated WiFi module, InnovAPP. Cable connection. Colour white	All	EFB749II
	LED electronic control panel with touch interface, wall-mounted complete with thermostat and room temperature and relative humidity probe. Bluetooth connection. Colour white	All	EGB749II
Wall mounted controls smart touch series			
Control panels			
	SMART TOUCH wall mounted control panel with thermostat and room temperature and relative humidity probe. Colour black	All	EEA649II
	SMART TOUCH wall mounted control panel with thermostat and room temperature and relative humidity probe. Colour white	All	EEB649II
	SMART TOUCH wall mounted control panel with thermostat and room temperature and relative humidity probe with integrated WiFi module, InnovAPP. Colour black	All	EFA649II (1)
	SMART TOUCH wall mounted control panel with thermostat and room temperature and relative humidity probe with integrated WiFi module, InnovAPP. Colour white	All	EFB649II (1)
WALL MOUNTED STANDARD FANCOIL CONTROLS			
Control panels			
	Wall mounted control with thermostat, summer/winter and speed selectors	All	B3V151II


1. The control panel is connected to the device via cable. The WiFi antenna allows remote management via app.


GENERAL INFORMATION


2.1 About the manual

This manual was written to provide all the explanations for the correct management of the appliance.

 This instruction manual forms an integral part of the device and therefore must be carefully preserved and must ALWAYS travel with it, even if you transfer the device to another owner or relocate it to other premises. If the manual gets damaged or lost, download a copy from the website.

 Read this manual carefully before proceeding with any operation and follow the instructions in the individual chapters.

 The manufacturer is not responsible for damages to persons or property caused by failure to follow the instructions in this manual.

 This document is restricted in use to the terms of the law and may not be copied or transferred to third parties without the express authorization of the manufacturer.

2.1.1 Editorial pictograms

The pictograms in the next chapter provide the necessary information for correct, safe use of the machine in a rapid, unmistakable way.

Related to security

High risk warning (bold text)

- The operation described above presents a risk of serious physical injury, fatality, major damage to the appliance and/or to the environment if not carried out in compliance with safety regulations.

Low risk warning (plain text)

- The operation described above presents a risk of minor physical injury or minor damage to the appliance and/or to the environment if not carried out in compliance with safety regulations.

Prohibition (plain text)

- Refers to prohibited actions.

Important information (bold text)

- This indicates important information that must be taken into account during the operations.

In the texts

- procedures
- lists


In the control panels


- actions required
- Expected responses following an action.*

In the figures

1 The numbers indicate the individual components.

A The capital letters indicate component assemblies.

 The white numbers in black marks indicate a series of actions to be carried out in sequence.

 The black letter in white identifies an image when there are several images in the same figure.

2.1.2 Pictograms on the product

Symbols are used in some parts of the appliance:

Related to security



Caution: electrical danger

- The concerned personnel is informed to the presence of electricity and the risk of suffering an electric shock.

2.1.3 Recipients

User

Non-expert person capable of operating the product in safe conditions for people, for the product itself and the environment, interpreting an elementary diagnostic of faults and abnormal operating conditions, carrying out simple adjustment, checking and maintenance operations.

Installer

Expert person qualified to position and connect (hydraulically, electrically, etc.) the unit to the plant; this person is responsible for handling and correct installation according to the instructions provided in this manual and the national standards currently in force.

Technical Service Centre

Expert and qualified person authorised directly by the manufacturer to carry out all routine and supplementary maintenance operations, as well as every adjustment, check, repair and replacement of parts necessary during the life of the unit itself.

2.1.4 Manual organisation

The manual is divided into sections each dedicated to one or more target groups.

Coding

It addresses all recipients.

It contains the list of products and/or accessories referred to in the manual.

General information

It addresses all recipients.

It contains general information and important warnings that should be known before installing and using the appliance.

Control panels

It addresses all recipients.
It contains section by control mode and information on the use of the main functions.

App

It addresses all recipients.

It contains useful information for the control of the unit via the app for mobile and the use of main functions.

Maintenance and Troubleshooting

It addresses all recipients.

It contains specific warnings and useful information for regular maintenance work.

2.2 Disposal



The symbol on the product or its packaging indicates that the product must not be treated as normal household

waste, but must be taken to the appropriate collection point for the recycling of electrical and electronic equipment.

Proper disposal of this product avoids harm to humans and the environment and promotes the reuse of valuable raw materials.


For more detailed information about the recycling of this product, contact your local city office, your household waste disposal service or the shop where you purchased the product.


Illegal disposal of the product by the user involves the application of the administrative sanctions provided for by the regulations in force.

This provision is only valid in the EU Member States.

2.3 General warnings

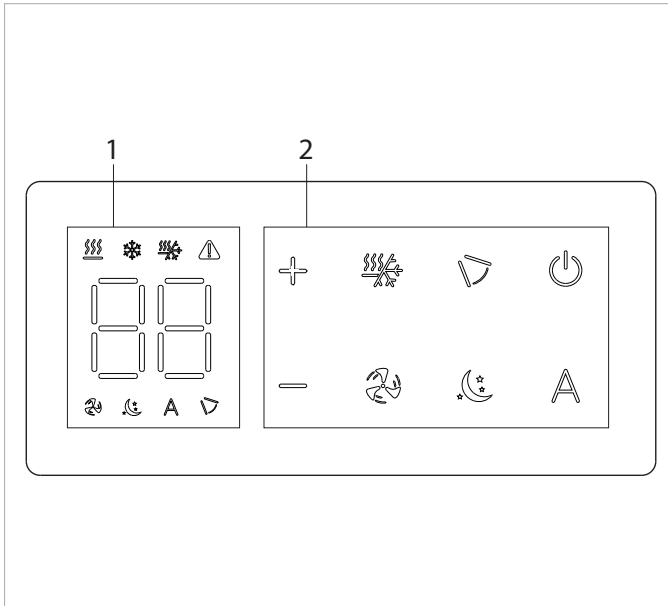
- ⚠ This instruction is an integral part of the booklet of the appliance.
- ⚠ The manufacturer reserves the right to make changes to its models at any time to improve its product, without prejudice to the essential characteristics described in this manual. The manufacturer is not obliged to add such modifications to machines previously manufactured, already delivered or under construction.
- ⚠ All repair or maintenance interventions must be performed by the technical service department or by professionally qualified personnel as foreseen in this booklet. Do not modify or intervene on the appliance as this could create dangerous situations and the manufacturer will not be responsible for any damage caused.
- ⚠ Objects or structural obstacles (furniture, curtains, plants, leaves, blinds, etc.) must not obstruct the normal air flow both from the internal and from the external grids.
- ⚠ Do not put any containers on top of the appliance, especially if they contain liquids, as this could cause a short circuit or cause damage to the appliance and/or be exposed to danger of electrocution.
- ⚠ Do not lean on the appliance.
- ⚠ In the event of water leaks, turn off the appliance and disconnect the electric power supply. Call the Technical Service Centre.
- ⚠ In case of replacement of parts, use only original parts.













-  The remote control supplied with the device is designed to provide maximum sturdiness and exceptional functionality, but should nonetheless.

 It is possible to access the basic menu and the settings menu also via the remote control.

- ⚠** If other devices are being used within the premises that are operated by remote control (TVs, radios, stereos, etc.), you might experience some interference.

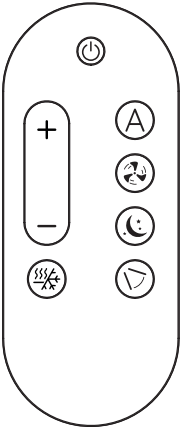
⚠ Electronic and fluorescent lamps can interfere with communications between the remote control and the device.



1.	Display area
2.	Keys area
	Setpoint
	Temperature value increase function
	Temperature value decrease function
	Power / Standby
	Alarm signals
	Flap control function
	Maximum mode
	Heating / Cooling (Cannot be used)
	Cooling function
	Heating function
	Auto Mode
	Minimum mode

3.1.3 Remote control

Keys and functions related.



	Temperature value increase function
	Temperature value decrease function
	Power / Standby
	Auto Mode
	Maximum mode
	Minimum mode
	Flap control function
	Heating / Cooling

Inserting the battery

- ⚠ Use only a dry 3 V lithium battery CR2430 (included) with the remote control.
- To insert the batteries:**
 - open the snap-on flap on the back of the remote control

- insert the battery according to the +/- polarity
- close the snap-on flap
- ⚠ Used batteries must be disposed of appropriately (WEEE) through special waste collection centres provided by the local authorities.

3.2 Main functions

- ⚠ The keys of the remote control and touchpad perform the same function.
- ⚠ It is possible to access the basic menu and the settings menu also via the remote control.

3.2.1 General start-up

To control the device with the remote control or touch-screen display:

- insert the appliance's power plug into the system jack
- or switch on the main switch provided on the power supply line

After you perform these steps, you can operate the system either by pressing the symbols on the touch-screen display or using the remote control.

Correct use of the remote control:

- point the front of the remote towards the unit's display, the buzzer will emit a beep and a message will appear on the display to confirm that the command has been enabled
- the maximum range to send commands is about 8 metres

To activate the touchpad

- keep the key pressed for 2 seconds

The text appears on the display.

The device turns on.

The preset set-point appears on the 3 digits of the display.

- ⚠ The control panel has its own memory, therefore no settings will be lost in case of shut-down or power outage (except ventilation). The button in question is used to switch the appliance on and off for short periods.

- ⚠ If you plan to keep the device out of service for a prolonged time, remember to deactivate it by disconnecting the power or removing the power plug.

3.2.2 Put in stand-by the control

To put in stand-by the control

- press the key for about 2 seconds

The symbol appears

The control goes out.

- ⚠ The control panel has its own memory, therefore no settings will be lost in case of shut-down or power outage.
- ⚠ If you plan to keep the device out of service for a prolonged time, remember to deactivate it by disconnecting the power or removing the power plug.

To re-activate the control

- press the key for about 2 seconds

The device turns on and appears

3.2.3 Set room temperature

To set the setpoint

- use the keys to increase or decrease the desired value



The displayed value change.

- ⚠ The adjustment range goes from 16 to 28 °C, with a resolution of 1 °C.
- ⚠ Out of range values from 5 °C and 40 °C are allowed, except in automatic mode. These value should be set only for short periods of time.

- ⚠ Do not set a temperature that is too low or too high is harmful to health and is an unnecessary waste of energy.

3.2.4 Heating only mode



To select the Heating operation

- press  for about 2 seconds
The symbol  on indicates the Heating function enable.
The device heats the room.

- ⚠ In heating function the symbols is alight with setpoint higher than the room temperature.

3.2.5 Cooling only mode



To select the Cooling operation

- press  for about 2 seconds
The lighted  symbol in the display area indicates that the Cooling function is activated.
The device dehumidifies and cools the room.

- ⚠ In cooling function the symbols is alight with setpoint lower than the room temperature.

3.2.6 Functioning in automatic mode



To select functioning in automatic mode

- press the key 
The symbol  on indicates that fan operation in automatic mode.

- ⚠ The ventilation speed is set automatically.

3.2.7 Functioning in maximum mode



To select maximum mode operation

- press the key 
The lighted  symbol on the display indicates fan operation in maximum mode.

- ⚠ The ventilation speed is set automatically in maximum mode.

3.2.8 Minimum mode operation

To select minimum mode operation



- press the key 
The symbol  on indicates that fan operation in minimum mode.

- ⚠ In this mode the fan is set to minimum speed.



- ⚠ This function can be excluded at any time by pressing the button again.

3.2.9 Set the direction of the air flow

To control the air flow direction

- press the key 
The symbol  lit on indicates the constant oscillation of the air flow deflector

To lock the airflow direction again




- press again the  key
The symbols  goes off and the air flow deflector locks in position

- ⚠ Never force the flow deflector manually to move it.

- ⚠ In cooling and heating mode, the flap position is reset every hour to prevent the formation of condensation.

3.2.10 Set the key lock

To set-up the key locking

- press both keys   for 3 seconds
The text  appearing on the display.






- ⚠ The remote control is also blocked and settings cannot be changed.

- ⚠ All settings are inhibited by the user.



- ⚠ Repeat the sequence to unlock the control.

3.3 Basic menu

To access the basic menu

- with the display off, hold down  for 10 seconds
The device turns on and  appears
- keep pressed until the indication  appears
- release the  key
The symbol  appears


To navigate in the menu

- use the icons  

To select a menu item and to confirm the changes made

- press the icon 
Confirming the change takes you to the next item.

To exit the menu

- press the icon  for 10 seconds
- or wait 30 seconds the automatic shutdown


3.3.1 Menu items

ot: AIR probe offset (air probe setting)






CF: Scale

ub: Buzzer volume

Set AIR probe offset






- ⚠ The set value changes by 1 °C each press of the  and  buttons.

To set the air probe regulation

- select 
- press  to change settings
- increase or decrease the value with the icons  
- press  to confirm
By default it is set to 0.
The setting range is from -9 °C (min) to +9 °C (max).

3.3.2 Scale






To change the temperature unit of measure

- select 
- press  to change settings
- select °C or °F
- use the   icons to move inside the menu
- press  to confirm


By default the temperature unit of measure is °C.

3.3.3 Adjusting buzzer volume

To change the volume

- select 
- press  to change settings
- increase or decrease the value with the icons  
- press  to confirm

The volume setting range is from 00 (min) to 03 (max).

 The volume changes after confirmed the change.


3.4 Warnings

3.4.1 Operating the unit if the remote control is not available

If you lose the remote control, the batteries run out or the remote stops working, you can operate the device with the keys on the touch-screen display on-board the machine.


3.4.2 Troubleshooting



For the user it is important to distinguish any malfunction or performance levels that differ from the system's standard operating values (see technical specifications). The most common problems can be easily solved by the user by performing certain simple tasks (see the Troubleshooting paragraph), while some system alarms require that you contact the Technical Customer Service.


 Please keep in mind that any attempt by unauthorised staff to repair the device automatically voids any form of warranty.

3.4.3 Visualization of alarms on display

 In the event of a malfunction, the display shows an alarm code.

 In the event of an alarm, the device still maintains active functions.


- E1 Room temperature probe AIR/T1 disconnected or faulty
None of the modes can be activated.
- E2 Faulty internal fan motor or disconnected
None of the modes can be activated.
- E3 Water temperature probe H2/T2 disconnected or failure
None of the modes can be activated.
- CE Communication error
Errors in the communication between the touchpad control and the board. None of the modes can be activated.
The symbol  appears to indicate unsuitable radiant water.
-  lampeggiante Incorrect water temperature
In heating the water temperature is below 30 °C and in cooling it is above 20 °C.

-  lampeggiante Incorrect water temperature
- In heating the water temperature is below 30 °C and in cooling it is above 20 °C.

3.4.4 Reset filter cleaner alarm

 The flashing  symbol indicates that filter cleaning is required.

After replacement of filters, it is necessary to reset the count of hours of filter use

- press  for about 8 seconds

The  symbol disappears.

M7 SERIES CONTROLS EEB749 - EFB749 - EGB749

4.1 Interface

4.1.1 Description

M7 series LED electronic control panels with touch interface for wall installation allow:

- room temperature control
- management of the main functions of the device
- temperature and humidity measurement
- fan speed regulation

They are fitted with:

- internal memory with data saving even in case of shut-down or power outage
- ⚠ After 20 seconds after the last action the panel brightness is reduced, only the room temperature is seen on the display.
- ⚠ The maximum brightness is restored to the pressure of any key.

4.1.2 Display

Statuses and active alarms on display.

A	Display area
88.8	Setpoint
+	Temperature value increase function
-	Temperature value decrease function
⏻	Power / Standby
⚠	Alarm signals
🔍	Flap control function
🌀	Maximum mode
🔥❄️	Heating / Cooling (Cannot be used)
❄️	Cooling
🔥	Heating
⌂	Auto Mode
🌙	Minimum mode

4.1.3 Keys functions

A	Keys area
+	Increases the temperature value
-	Decreases the temperature value
⏻	This can be used to switch the unit on or off
🔍	Allows flap management
🌀	Allows the maximum ventilation speed function to be activated
🔥❄️	This can be used to select the operating mode (Cooling or Heating)
⌂	Enables automatic mode
🌙	Allows activation of the minimum mode function with ventilation speed limitation



4.2 Main functions

4.2.1 General start-up

Before the activation:



- ⚠ Make sure that the remote control is connected to the mains.
- ⚠ In case of a master switch on the power supply line, switch on the system by inserting the switch.

To activate the wall control panel

- press the  key for about 2 seconds
The text  appearing on the display.
The device turns on.



4.2.2 Put in stand-by the control

To put in stand-by the control

- press the  key for about 2 seconds
The symbol  appears
The control goes out.



- ⚠ In stand-by mode, the control guarantees antifreeze protection.
- ⚠ In case of temperature <5 °C, the hot water solenoid valve outputs and boiler consent are activated automatically.

To re-activate the control

- press the  key for about 2 seconds
Until the appearance of .

4.2.3 Set room temperature



To set-up the temperature

- operate the   keys to decrease or increase the desired value
The displayed value change.

- ⚠ The adjustment range goes from 16 °C to 28 °C, with a resolution of 0,5 °C.
- ⚠ Out of range values from 5 °C and 40 °C are allowed, except in automatic mode. These value should be set only for short periods of time.

4.2.4 Cooling only mode



To select the Cooling operation

- press  for about 2 seconds
The lighted  symbol in the display area indicates that the Cooling function is activated.
The device dehumidifies and cools the room.

- ⚠ In cooling function the symbols is alight with setpoint lower than the room temperature.

4.2.5 Heating only mode



To select the Heating operation

- press  for about 2 seconds
The symbol  on indicates the Heating function enable.
The device heats the room.

- ⚠ In heating function the symbols is alight with setpoint higher than the room temperature.

4.2.6 Automatic operation



To select the Automatic function

- press the  key for about 2 seconds
The symbol  on indicates the Automatic function enable.

- ⚠ The ventilation speed is automatically adjusted between a minimum value and a maximum value based on an algorithm type PI, according to the actual distance from the room temperature set-point.



4.2.7 Minimum mode operation

To select minimum mode operation

- press the  key for about 2 seconds
The symbol  on indicates that fan operation in minimum mode.



- ⚠ In this mode the fan is set to minimum speed.

To deselect minimum mode operation

- press the  or 
The function of the fan is changed.

4.2.8 Maximum ventilation speed

To select the operation at the maximum ventilation speed




- press the  key for about 2 seconds
The symbol  on indicates the maximum speed function enable

- ⚠ Maximum power output is immediately obtained both in heating and cooling.

- ⚠ After reaching the desired room temperature, select a different function to increase the thermal and acoustic comfort.

4.2.9 Set the key lock

To set-up the key locking



- press both keys   for 3 seconds
Appears .




- ⚠ All settings are inhibited by the user.

- ⚠ Repeat the sequence to unlock the control.



4.3 Basic menu

To access the basic menu


- with the display off, hold down  for 10 seconds
The device turns on and  appears

- keep pressed until the indication  appears
- release the  key
The symbol  appears


To navigate in the menu


- use the icons  

To select a menu item and to confirm the changes made

- press the icon 
- Confirming the change takes you to the next item.*

To exit the menu

- press the icon  for 10 seconds
- or wait 30 seconds the automatic shutdown

 After 30 seconds from the last action the control goes out and the settings is memorized.

4.3.1 Menu items

ot: AIR probe offset (air probe setting)

ur: Value read by the R.H. sensor

ut: Probe Offset PT4






uS: Humidity setpoint

ui: Humidity hysteresis


CF: Scale

ub: Buzzer volume






Set AIR probe offset**To set the air probe regulation**

- select 
- press  to change settings
- increase or decrease the value with the icons  
- press  to confirm
- By default it is set to 0.*
- The setting range is from a minimum of -12.0 °C to a maximum of 12.0 °C.*






Set probe offset RH

 Modify only after real deviations from an actual measurement with professional instrumentation have been established.






To set the RH probe regulation

- select 
- press  to change settings
- increase or decrease the value with the icons  
- press  to confirm






Set the humidity setpoint**To set the humidity setpoint**

- select 
- press  to change settings
- increase or decrease the value with the icons  
- press  to confirm
- The setting range is from 20.0% to 90.0%.*






Setting the humidity hysteresis**To set the humidity hysteresis**

- select 
- press  to change settings
- increase or decrease the value with the icons  
- press  to confirm
- The setting range is from 1 (min) to 30 (max).*

4.3.2 Scale**To change the temperature unit of measure**

- select 
- press  to change settings
- select °C or °F
- use the   icons to move inside the menu
- press  to confirm
- By default the temperature unit of measure is °C.*

4.3.3 Adjusting buzzer volume**To change the volume**


- select 
- press  to change settings
- operate the   keys to decrease or increase the desired value
- press  to confirm
- The volume setting range is from 00 (min) to 03 (max).*

 The volume changes after confirm the modification.


4.4 Warnings**4.4.1 Long period shut-down**

For seasonal shutdowns or for long periods:




- disable the device
- set the main system switch to Off

 The antifreeze function is not on.



4.4.2 In case of fancoil blockage

 This procedure should only be carried out in the event that the control locks and no longer responds to commands.


In case of control blockage



- press both keys  and  for 10 seconds
-  appears on the display accompanied by a beep.
The fancoil has been reset.


After replacement of filters, it is necessary to reset the count of hours of filter use

- press  for about 8 seconds
The  symbol disappears.






4.4.3 Alarm display on wall control panel

 In the event of an alarm, the device still maintains active functions.


 The symbol  is displayed on the wall control panel to indicate alarms.


 To access the Setup menu, it is necessary to access the Basic menu. See section "Basic menu" [p. 14](#).

To visualise errors on the wall control panel

- access the basic menu
- then press .
- Appears .
- press .
- press  to confirm
- Appears .
- Then the number assigned to the fancoil and the alarm code are displayed.


To exit the menu


- press the icon  for 10 seconds
- or wait 30 seconds the automatic shutdown

 After 30 seconds from the last action the control goes out and the settings is memorized.


Alarms displayed on the wall control panel

- E2 Faulty internal fan motor or disconnected
None of the modes can be activated.
- E3 Water temperature probe H2/T2 disconnected or failure
None of the modes can be activated.
- E6 Fancoil block for unsuitable water
None of the modes can be activated.
- E7 Module Communication Alarm
Bluetooth communication not functioning.
- E8 Communication error alarm
Error in the communication between the wall control panel and the fancoil. None of the unit's functions can be activated.
- h2o Incorrect water temperature
*In heating the water temperature is below 30 °C and in cooling it is above 20 °C.
In heating the water temperature is below 30 °C and in cooling it is above 20 °C.*

 Errors E7 and E8 are displayed without the error display procedure on the wall control panel.

 Alarms E6, E7 and E8 are errors that only appear with the control panel for wall control with Bluetooth connection (Code EGB749II).

4.4.4 Reset filter cleaner alarm

 The flashing  symbol indicates that filter cleaning is required.

SMART TOUCH REMOTE CONTROLS EEA649 - EEB649 - EFA649 - EFB649

5.1 Interface

5.1.1 Description

Smart Touch wall control panels with thermostat and room temperature and relative humidity probe are electric thermostats with the possibility of control over several appliances with electronic remote control.

Allow:

- room temperature control
- management of the main functions of the device

They are fitted with:

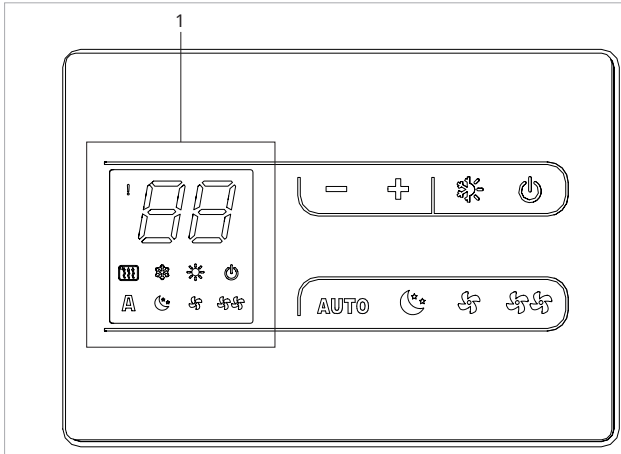
- temperature probe

- internal memory with data saving even in case of shut-down or power outage

- ⚠ The control can control up to a maximum of 30 units.
- ⚠ The room temperature probe ensures an antifreeze safety even when the control is in stand-by
- ⚠ After 20 seconds after the last action the panel brightness is reduced, only the room temperature is seen on the display. The maximum brightness is restored to the pressure of any key.
- ⚠ Any faults of the connected individual terminals are not indicated by the wall panel.

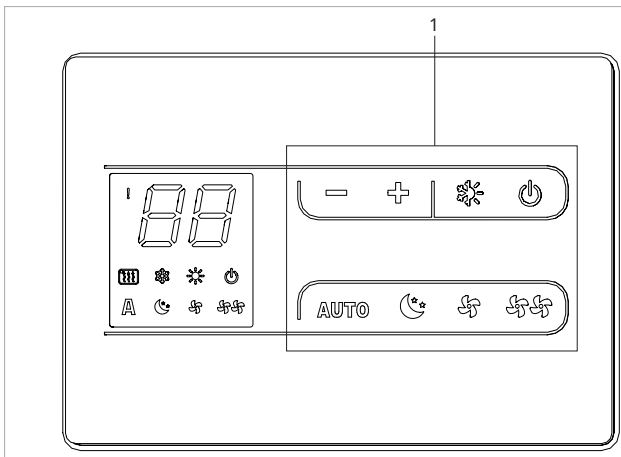
5.1.2 Display

Statuses and active alarms on display.



1.	Display area
A	Automatic function active
☼	Silent function active
☼☼	Maximum ventilation speed active
☾*	Night function active
☼	Heating function on
☼	Cooling function on
⚠	Alarm active with fixed icon
⚠	Supervision active with flashing icon and CP contact closed
⏻	The appliance is in stand-by mode
☼	Resistance enabled indication

5.1.3 Keys functions



1.	Keys area
+	Up key
-	Down key
☼	This can be used to select the operating mode (Cooling or Heating)
AUTO	Enables Automatic function
☾*	Consente di attivare la funzione Notturno con limitazione della velocità di ventilazione e variazione automatica della temperatura
☼☼	Enables Maximum ventilation speed function
⏻	This can be used to switch the unit on or off
☼	Enables the Silent function with ventilation speed limitation to a low maximum value



5.2 Main functions

5.2.1 General start-up

Before the activation:




- ⚠ Make sure that the remote control is connected to the mains.
- ⚠ In case of a master switch on the power supply line, switch on the system by inserting the switch.

To activate the device

- press the  key
The symbol  lights up

5.2.2 Operating mode set-up


to switch the operating mode

- press the  key for about 2 seconds
The symbol  on indicates the Heating function enable
- The symbol  on indicate the Cooling function enable

- ⚠ In heating function the symbols is alight with setpoint higher than the room temperature.
- ⚠ In cooling function the symbols is alight with setpoint lower than the room temperature.
- ⚠ When the setpoint is incorrect both symbols are switched off.

5.2.3 Put in stand-by the control



To put in stand-by the control

- press the  key for about 2 seconds
The control goes out

- ⚠ In stand-by mode the control ensures an antifreeze safety. In case of temperature <5 °C, the hot water solenoid valve outputs and boiler consent are activated automatically.

5.2.4 Set room temperature



To set-up the temperature

- operate the   keys to decrease or increase the desired value
The displayed value change

- ⚠ The adjustment range goes from 16 to 28 °C, with a resolution of 0,5 °C.
- ⚠ Out of range values from 5 °C and 40 °C are allowed, except in automatic mode. These value should be set only for short periods of time.

5.2.5 Automatic operation



To select the Automatic function

- press the  key for about 2 seconds
The symbol  on indicates the Automatic function enable

- ⚠ The ventilation speed is automatically adjusted between a minimum value and a maximum value based on an algorithm type PI, according to the actual distance from the room temperature set-point.

5.2.6 Silent operation



To select the Silent operation

- press the  key for about 2 seconds
The symbol  on indicates the Silent function enable

- ⚠ The ventilation speed is limited at a more reduced maximum value.

5.2.7 Night function



To select the Night function

- press the  key for about 2 seconds
The symbol  on indicate the Night function enable

- ⚠ The ventilation speed is limited at a very low value.
- ⚠ The set temperature is automatically changed:
 - in heating function decreases by 1 °C after one hour and by another degree after 2 hours
 - in cooling function decreases by 1 °C after one hour and by another degree after 2 hours

5.2.8 Maximum ventilation speed



To select the operation at the maximum ventilation speed

- press the  key for about 2 seconds
The symbol  on indicates the maximum speed function enable

- ⚠ Maximum power output is immediately obtained both in heating and cooling.
- ⚠ After reaching the desired room temperature, select a different function to increase the thermal and acoustic comfort.

5.2.9 Set the key lock




To set-up the key locking

- press both   keys for 2 seconds
The text  appearing on the display

- ⚠ All settings are inhibited by the user.
- ⚠ Repeat the sequence to unlock the control.

5.2.10 Brightness reduction


To reduce the display brightness

- press the  key for 5 seconds
The text  appearing on the display
- press the  key to decrease the value, wait 20 seconds

- ⚠ After 20 seconds from the last action the panel brightness will be reduced to increase the comfort during night use. On the display will appear only the room temperature.

5.2.11 Room temperature probe offset adjustment

To adjust the room temperature probe offset

- from display off, hold the key  for about 5 seconds
Access to the variation menu of the AIR probe offset displayed on the display.

- ⚠ Since the room temperature probe is located at the bottom of the unit, it is possible that in some cases the measurement may differ from the actual temperature.
- ⚠ Use this adjustment carefully.
- ⚠ This adjustment must be carried out only after having found actual deviations from the room temperature using a reliable tool.
- ⚠ Adjust the measured value within a range of +/- 10 °C in steps of 0,1 °C.
- ⚠ After 20 seconds from the last action the control goes out and the settings is memorized.

Deactivation

To deactivate the display


- press the key  for about 2 seconds
All the light signals go off

- ⚠ In stand-by mode, the control guarantees antifreeze protection.



5.2.13 WiFi network On, Off and Reset

- ⚠ Setting only valid for EFA649 - EFB649 controls.



To activate the WiFi network

- from the display on, press  for about 10 seconds
The text "On" appearing on the display.
- do not touch any keys for another 10 seconds
The WiFi network is active and remains visible and usable with the last configured name.

To reset and restore the WiFi network to its original configuration

- from the display on, press  for about 10 seconds
The text "On" appearing on the display.
- press  again
The text "rSt" appearing on the display.
- do not touch any keys for another 10 seconds
- take off and restore tension to the control
The WiFi network is switched off.

To turn off the WiFi network

- from the display on, press  for about 10 seconds
The text "On" appearing on the display.
- press again the  key again until Off appears
The text "Off" appearing on the display.
- do not touch any keys for another 10 seconds
The WiFi network is turned off and will not be displayed on your smartphone or tablet.

5.3 Warnings

5.3.1 Long period shut-down

For seasonal shutdowns or for long periods:

- disable the device
- set the main system switch to Off

- ⚠ The antifreeze function is not on.

5.3.2 Alarm display on wall control panel

Displayed alarms

- ⚠ E1 Room temperature probe disconnected or faulty
None of the modes can be activated.
- ⚠ E2 Fault or connection of a remote double room sensor on one of the fan coil units
None of the modes can be activated.
- ⚠ E3 Humidity probe disconnected or faulty
None of the modes can be activated.
- ⚠ E4 Air quality probe disconnected or faulty
None of the modes can be activated.

MAINTENANCE

Routine maintenance is essential to keep the device always efficient, safe and reliable over time.

6.1 Preliminary warnings

Before each cleaning and maintenance intervention:

- disconnect the device from the power mains by turning the system master switch to "OFF"
- wait for the components to cool down in order to avoid any burns

⊖ Carrying out any technical or cleaning work before disconnecting the unit from the power supply is forbidden.

⚠ Make sure that there is no voltage before operating.

⚠ After completing the maintenance work, must be restored the original condition.

⚠ Warnings:

- Do not lean or sit on the fancoil to avoid damaging the appliance.
- Do not manually move the horizontal louver of the air outlet. Always use the remote control to do this operation.
- If water leaks from the device, you must switch it off immediately and disconnect the power supply. Then, call the nearest customer service centre.
- The device must not be installed in rooms where there are explosive gases or where there are conditions of humidity and temperature out of the limits defined in the installation manual.
- Clean the filter regularly.

6.2 Routine maintenance

The routine maintenance plan includes the following cleaning operations.

It can be done:

- every six months

Before each cleaning and maintenance intervention:

- disconnect the device from the power mains by turning the system master switch to "OFF"

⚠ Wait for the components to cool down in order to avoid any burns.

⚠ After completing the maintenance work, must be restored the original condition.

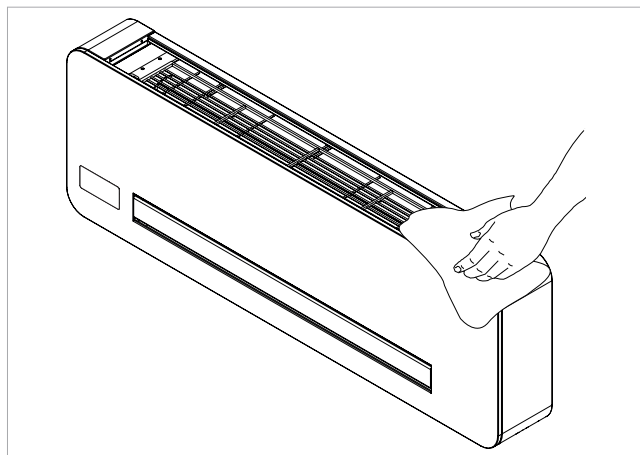
⊖ It is forbidden to open the access doors and carry out any technical or cleaning intervention, before having disconnect the device from the mains supply by placing the main switch of the system on "OFF".

Clean the external surfaces using a soft cloth dampened with water.

⚠ Do not use abrasive sponges or abrasive or corrosive detergents as you might damage the painted surface.

⚠ Disconnect the unit from the power supply before each cleaning and maintenance intervention by setting the main power supply switch to off.

6.2.1 External cleaning



6.2.2 Air intake filter cleaning

Cleaning the filter must be carried out:

- after prolonged operation, considered the concentration of impurities in the air
- when you plan to restart the system after prolonged disuse

To extract the filter:

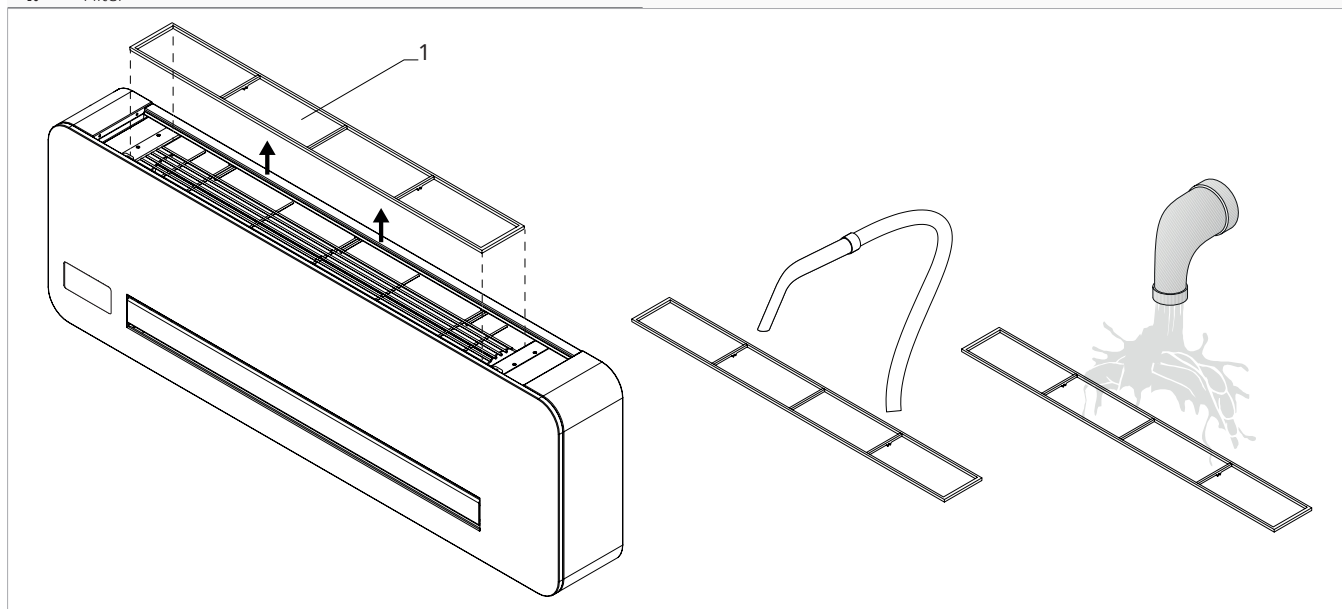
- lift it slightly

- rotate until the complete exit from the housing
- remove the filter

To clean the filters:

- use a vacuum cleaner
- aspirate dust
- wash the filter with running water
- allow it dry

1. Filter



Inserting the filter

Remount the filter paying particular attention to introduce the lower flap in its housing.

⚠ After filter cleaning check if the panel is properly mounted.

⚠ The device features a safety switch that prevents the fan from starting if the mobile panel is incorrectly mounted or the filter are missing.

⊖ It is forbidden to use the device without its mesh filter.

6.3 Suggestions for energy saving

For a correct operation of the device and a great energy saving:

- keep the filters clean
- keep the doors and windows of the locations fitted with air conditioning systems closed as much as possible
- During summer limit the entry of direct sun rays into the rooms to be air-conditioned by means of external screens (projections, curtains, shutters, etc.)



innova

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