User manual **EN**

innova
renewing energies

AirLeaf
DC Inverter

ECA644 - ECA647 - EWF644 - EWF647 - ESD645 - ESD648
ECA649 - ECB649 - EWF649 - EWB649
E4T643 - E2T543 - B3V137
B4V642 - B3V151- B3V152 - B10642

We would first of all like to thank you for having chosen one of our products.

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

This booklet code N273005E - Rev. 02 - (06/19) consists of 44 pages.

Compliance

This unit complies with the following European Directives:

- Low voltage 2014/35/EU;
- Electro-magnetic compatibility 2014/30/EU;

Symbols

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

Editorial pictograms

U User
- Refers to pages containing instructions or information for the user.

I Installer
- Refers to pages containing instructions or information for the installer.

S Service
- Refers to pages containing instructions or information for the CUSTOMER TECHNICAL ASSISTANCE SERVICE installer.

Safety pictograms

⚠ Warning
- The operation described may cause physical harm if not carried out in accordance with safety regulations.

⚠ Dangerous electrical current
- Make personnel aware that the operation described may lead to electrical shocks if not carried out in accordance with safety regulations.

⚠ High temperature danger
- Of safety regulations, the risk of burns caused by contact with components with high temperatures.

⛔ Prohibition
- Refers to prohibited actions.

General table of contents

EN

1 GENERAL

1.1 General waenings 6
1.2 Fundamental safety rules 6

2 ECA644 - ECA647 - EWF644 - EWF647

2.1 SMART TOUCH electronic control panel with device side continuous modulation 7
2.2 Display 7
2.3 Key function 7
2.4 General On Switch 8
2.5 Activation 8
2.6 Heating/cooling operation modes setting 8
2.7 Stand By 8
2.8 Temperature selection 8
2.9 Automatic operation 9
2.10 Silent operation 9
2.11 Night-time operation 9
2.12 Operation at maximum ventilation speed 9
2.13 Key lock 9
2.14 Reduce brightness to minimum 9
2.15 Deactivation 10
2.16 Room temperature probe regulation offset 10
2.17 ON, OFF and Reset of the WiFi network (only for EWF644 - EWF647) 10
2.18 Switching off for long periods 10
2.19 Error signals 10

3 ECA649 - ECB649 - EWF649 - EWB649

3.1 Wall-mounted SMART TOUCH electronic control panel with room probe 11
3.2 Display 11
3.3 Key function 11
3.4 General On Switch 12
3.5 Activation 12
3.6 Heating/cooling operation modes setting 12
3.7 Stand By 12
3.8 Temperature selection 12
3.9 Automatic operation 13
3.10 Silent operation 13
3.11 Night-time operation 13
3.12 Operation at maximum ventilation speed 13
3.13 Key lock 13
3.14 Reduce brightness to minimum 13
3.15 Deactivation 14
3.16 Room temperature probe regulation offset 14
3.17 ON, OFF and Reset of the WiFi network (only for EWF649 - EWB649) 14
3.18 Switching off for long periods 14
3.19 Error signals 14

4 E4T643

4.1 SMART TOUCH electronic control panel with fixed speed modulation . . . 15
4.2 Display . . . 15
4.3 Key function . . . 15
4.4 General On Switch . . . 16
4.5 Activation . . . 16
4.6 Heating/cooling operation modes setting . . . 16
4.7 Stand By . . . 16
4.8 Temperature selection . . . 16
4.9 Ventilation speed regulation . . . 17
4.10 Key lock . . . 17
4.11 Reduce brightness to minimum . . . 17
4.12 Deactivation . . . 17
4.13 Room temperature probe regulation offset . . . 18
4.14 Switching off for long periods . . . 18
4.15 Error signals . . . 18

5 E2T543

5.1 4-speed on board LCD electronic control panel . . . 19
5.2 LED indications . . . 19
5.3 Key function . . . 19
5.4 General On Switch . . . 19
5.5 Activation . . . 20
5.6 Heating/cooling operation modes setting . . . 20
5.7 Stand By . . . 20
5.8 Temperature selection . . . 20
5.9 Ventilation speed regulation . . . 20
5.10 Key lock . . . 21
5.11 Reduce brightness to minimum . . . 21
5.12 Deactivation . . . 21
5.13 Switching off for long periods . . . 21
5.14 Error signals . . . 21

6 B3V137

6.1 On-board speed selector for connecting to standard thermostat. . . . 22
6.2 LED indications . . . 22
6.3 General On Switch . . . 23
6.4 Activation . . . 23
6.5 Stand By . . . 23
6.6 Ventilation speed regulation . . . 23
6.7 Deactivation . . . 24
6.8 Switching off for long periods . . . 24
6.9 Error status warnings . . . 24

7 MAINTENANCE

7.1 External cleaning . . . 25
7.2 Air suction filter cleaning . . . 25
7.3 Suggestions for power saving . . . 27

8 TROUBLESHOOTING

8.4 Troubleshooting 28
8.5 Troubleshooting table 28

9 INNOVAPP OPERATION

9.1 Minimum system requirements 29
9.2 Downloading and configuring the APP 29
9.3 App features 31
9.4 General control screen 31
9.5 Menu 31
9.6 My Products 32
9.7 Mode 33
9.8 Scheduling 34
9.9 Remote access 37
9.10 Groups 38
9.11 Preferences 39
9.12 Control with several devices 40
9.13 Troubleshooting 41

GENERAL

1.1 General waenings

⚠ This instruction is an integral part of the booklet of the appliance on which the kit is installed. Please consult this booklet for general warnings and fundamental safety rules.

⚠ This manual is designed only for the qualified and authorised installation technician, who must be sufficiently trained and in possession of all psycho-physical requirements as per the law.
All operations must be carried out with care and according to best practices, and in compliance with workplace safety regulations.

⚠ After unpacking, check that the contents are intact and that all parts are included. If not, contact the agent who sold the appliance to you.

⚠ It is forbidden to modify the safety or adjustment devices without authorisation from and indications of the manufacturer.

⚠ It is forbidden to dispose of, or leave in the reach of children, the packaging materials which could become a source of danger.

⚠ Repairs or maintenance must be performed by the Technical Assistance Service or by qualified personnel in accordance with this manual. Do not modify or tamper with the appliance as this could create dangerous situations and the manufacturer will not be liable for any damage caused.

1.2 Fundamental safety rules

⛔ Remember that some fundamental safety rules should be followed when using a product that uses electricity and water, such as:

⛔ The unit can be used by children over the age of 8, and by people with reduced physical, sensory or mental capabilities, or with no experience or necessary knowledge, as long as they are monitored or after they have received instructions on the safe use of the unit and have understood the dangers involved.
Children must not play with the appliance.
The cleaning and maintenance that must be performed by the user should not be carried out by children without supervision.

⛔ It is forbidden to touch the appliance with wet hands or body when barefoot.

⛔ It is forbidden to carry out any cleaning before having disconnected the appliance from the electricity mains supply by turning the system master switch to "OFF".

⛔ It is forbidden to modify the safety or adjustment devices or adjust without authorisation and indications of the manufacturer.

⛔ It is forbidden to pull, cut or knot the electrical cables coming out of the appliance, even if it is disconnected from the mains supply.

⛔ It is forbidden to poke objects or anything else through the inlet or outlet grills.

⛔ It is forbidden to open the doors which access the internal parts of the appliance without first turning the system master switch to "OFF".

⛔ It is forbidden to dispose of or leave in the reach of children the packaging materials which could become a source of danger.

⛔ It is forbidden to climb onto the appliance or rest any object on it.

⛔ The external parts of the appliance can reach temperatures of more than 70°C.

ECA644 - ECA647 - EWF644 - EWF647

2.1 SMART TOUCH electronic control panel with device side continuous modulation

These controls make room temperature adjustment (with offset settable from the keyboard) completely autonomous through the AUTO, SILENT, NIGHT and MAX programmes by means of a probe located in the lower part of the device, ensuring anti-freeze safety even when set to stand-by.
The control panel has a memory, so settings will not be lost if the appliance is switched off or in the power supply is cut.

⚠ Controls cannot be installed on the SLI and RSI versions.

⚠ After 20 seconds from the last action the panel brightness will be reduced for improved night-time comfort, and the room temperature will appear on the display. Press any key to restore maximum brightness.

The 10 kΩ water temperature probe positioned in the device battery regulations the minimum level when heating (30°C) and the maximum level when cooling (20°C).

A	Display
B	Keys

2.2 Display

Any statuses and alarms are also shown on the display by using 8 specific symbols:

A	Automatic operation
	Silent operation
	Maximum ventilation speed
	Night-time operation
	Heating on

	Cooling on
	Supervision on Flashing with presence switch CP closed.
	Alarm indicator (solid light)
	Panel off indicator
	Resistance active indicator

2.3 Key function

The various functions are set using 8 backlit keys:

+	Temp + is for increasing the set temperature
−	Temp - is for decreasing the set temperature
	Heating / Cooling: for changing the operation mode between heating and cooling
AUTO	Sets the regulation ventilation speed between a minimum and maximum value to an entirely automatic mode

	Night-time operation: limits ventilation speed to a contained level and the set temperature is adjusted automatically.
	Maximum speed operation: Allows for the maximum ventilation speed to be set
	ON/Stand-By: for activating the device or for putting it in stand-by.
	Silent: limits ventilation speed to a more contained value

2.4 General On Switch

In order to manage the device via the control panel, this must be connected to the mains electricity.
If a general switch is installed on the power line, this must also be switched on.
- Turn the device on by activating the general switch

2.5 Activation

To activate the device

Key	Operation	Display
	Press the ON Stand-by key	From off to on
AUTO	Select one of the 4 operating modes by pressing the relative key.	

2.6 Heating/cooling operation modes setting

Key	Operation	Display
	Keep the Heating / Cooling key pressed for approx. 2 seconds to change the mode between heating and cooling, which is indicated by the 2 symbols that appear if heating or cooling is active.	
	When heating, the symbol displays when the set point is higher than ambient temperature, both are off when the set point is lower.	
	When cooling, the symbol displays when the set point is lower than ambient temperature, both are off when the set point is higher.	
	In the 4 tube version, with the automatic cooling/heating regulation system, when both symbols are displayed it signifies the set point having been reached (neutral band).	

One of the two symbols flashing means that the water temperature (hot or cold) is not sufficient, and stops the fan until the temperature reaches a level suitable for reaching the required temperature.
If after switching the power on the board detects the H2 probe, start-up occurs in normal conditions with the minimum and maximum thresholds.
The board also has a function when there is no H2 probe, in such cases the fan stop thresholds are ignored.

2.7 Stand By

Key	Operation	Display
	Press and hold the ON Stand-By key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	Off

When the control is in this operating mode, anti freezing is in any case guaranteed. If the ambient temperature drops below 5°C, the solenoid valves on the hot water output and the boiler are opened.

2.8 Temperature selection

Key	Operation	Display
	Set the required room temperature using the two increase/decrease keys to set the temperature value on the 3-digit display.	

The adjustment range is from 16 to 28°C in intervals of 0.5°C, but out-of-range values are also accepted, from 5°C to 40°C (unless in auto mode).
Only set these values for brief periods, and then set a intermediate value.
The controller is very precise - set it to the required value and wait for the controller to regulate itself according to the actual room temperature detected.

2.9 Automatic operation

Key	Operation	Display
AUTO	Press and hold the AUTO key. The function being activated is indicated by the relevant symbol appearing on the display.	A

Ventilation speed adjustment is carried out automatically between the minimum and maximum values, according to the distance of the actual room temperature from the set point, according to a PI-type algorithm.

2.10 Silent operation

Key	Operation	Display
	Press and hold the Silent key. The function being activated is indicated by the relevant symbol appearing on the display.	

Ventilation speed is limited to a contained maximum value.

2.11 Night-time operation

Key	Operation	Display
	Press and hold the Night-time operation key. The function being activated is indicated by the relevant symbol appearing on the display.	

By selecting this mode, ventilation speed is limited to a very contained level and the set temperature is adjusted automatically, as follows:
- decreases by 1°C after one hour and by another degree after two hours in heating mode;
- increases by 1°C after one hour and by another degree after two hours in cooling mode;

2.12 Operation at maximum ventilation speed

Key	Operation	Display
	Press and hold the Max Operation key. The function being activated is indicated by the relevant symbol appearing on the display.	

In this operation mode, the maximum possible power level is activated whether heating or cooling.
Once the desired room temperature is reached, we recommend selecting one of the other 3 operation modes for increased comfort and sound levels.

2.13 Key lock

Key	Operation	Display
+	By pressing both the + and - keys for 3 seconds, all keys are locked locally, and this is indicated by "bL" appearing on the display. All actions are disabled to the user and whenever any key is pressed, "LOC" will appear. To unlock the keys, repeat the sequence.	bL
−		

2.14 Reduce brightness to minimum

After 20 seconds from the last action, the panel brightness will be reduced for improved night-time comfort, and the room temperature will appear on the display.
If this brightness is still disturbing, the display can be switched off completely.

Key	Operation	Display
+	With the display off, press and hold the + key for 5 seconds until "01" is displayed. Use the - key to change the value to 00 and wait 20 seconds to check the setting has been accepted.	00

2.15 Deactivation

Key	Operation	Display
⏻	Press and hold the ON Stand-By key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	Off

The controller also ensures anti freezing when in stand-by.

2.16 Room temperature probe regulation offset

As the detection probe is towards the bottom of the device, the temperature detected may at times differ from the actual room temperature.
By using this function, the value displayed can be adjusted in a range from -9/+12 K in intervals of 0.1°C.
Use this adjustment with care, and only after having actually detected a discrepancy compared with the actual room temperature using a reliable device!

Key	Operation	Display
−	With the display off, press and hold the - key for 5 seconds to access the menu which allows adjustment (using the + and - keys) of the AIR probe offset displayed, from -9 to +12 K in 0.1 K intervals. After 20 seconds from the last action, the panel switches off and the setting is stored.	00.0

2.17 ON, OFF and Reset of the WiFi network (only for EWF644 - EWF647)

To activate the WiFi network:
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- do not touch anything for another 10 sec, the fancoil WiFi is active and remains visible and usable with the last configured name.

To reset the fancoil and return its WiFi network to the original configuration (named "Fancoil"):
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- press the button again, the message "rSt " appears on the display.
- do not touch anything for another 10 sec. At this point, new WiFi configuration of the fancoil is required.

To turn off the WiFi network:
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- press the button until the text "OFF " appears.
- the WiFi transmitter will therefore be off and no longer visible from smartphone/tablet.

2.18 Switching off for long periods

When switching off for a season or for holidays, proceed as follows:
- Deactivate the device
- Turn the general unit switch to off.

⚠ The antifreeze function is not active.

2.19 Error signals

Error	Display	App
Faulty room temperature (AIR) probe	⚠ E1	AIR
Problem with fan motor (e.g. blockage caused by foreign objects, faulty rotation sensor).	⚠ E2	MOT
Water temperature probe fault for 2-tube versions (H2). In this case, ensure that the probe installed is 10 kΩ.	⚠ E3	H2
Cold water temperature probe fault for 4-tube versions (H4).(Only for ECA647) positioned on the main battery.	⚠ E5	H4
Engaging of grille microswitch S1 due to filter cleaning operation	⚠ Gr	GRL
The flashing of one of the 2 symbols indicates that the water temperature (hot or cold) is not satisfied and causes the fan to Stop.	☼ ❄	H2NI

ECA649 - ECB649 - EWF649 - EWB649

3.1 Wall-mounted SMART TOUCH electronic control panel with room probe

The remote wall-mounted control EC/ECBA649 EWF/EWB649 is an electronic thermostat with a room temperature probe for controlling one or more (up to a maximum of 30) fan coils / cooler-radiators in broadcast mode (with simultaneous control transmission) equipped with electronic control for ESD645 or ESD648 remote operation .
The control panel has a memory, so settings will not be lost if the appliance is switched off or in the power supply is cut.

⚠ Any anomalies on individual connected terminal are not indicated on the wall panel.

⚠ Anti-freeze protection is guaranteed via the temperature probe when in stand-by.

⚠ After 20 seconds from the last action, the panel brightness will be reduced and the room temperature will appear on the display. Press any key to restore maximum brightness.

3.2 Display

Any statuses and alarms are also shown on the display by using 8 specific symbols:

A	Automatic operation
	Silent operation
	Maximum ventilation speed
	Night-time operation
	Heating on

	Cooling on
	Supervision on Flashing with presence switch CP closed.
	Alarm indicator (solid light)
	Panel off indicator
	Resistance active indicator

3.3 Key function

The various functions are set using 8 backlit keys:

+	Temp + is for increasing the set temperature
—	Temp - is for decreasing the set temperature
	Heating / Cooling: for changing the operation mode between heating and cooling
AUTO	Sets the regulation ventilation speed between a minimum and maximum value to an entirely automatic mode

	Night-time operation: limits ventilation speed to a contained level and the set temperature is adjusted automatically.
	Maximum speed operation: Allows for the maximum ventilation speed to be set
	ON/Stand-By: for activating the device or for putting it in stand-by.
	Silent: limits ventilation speed to a more contained value

3.4 General On Switch

In order to manage the device via the control panel, this must be connected to the mains electricity.
If a general switch is installed on the power line, this must also be switched on.
- Turn the device on by activating the general switch

3.5 Activation

To activate the device

Key	Operation	Display
	Press the ON Stand-by key	From off to on
AUTO	Select one of the 4 operating modes by pressing the relative key.	

3.6 Heating/cooling operation modes setting

Key	Operation	Display
	Keep the Heating / Cooling key pressed for approx. 2 seconds to change the mode between heating and cooling, which is indicated by the 2 symbols that appear if heating or cooling is active.	
	When heating, the symbol displays when the set point is higher than ambient temperature, both are off when the set point is lower.	
	When cooling, the symbol displays when the set point is lower than ambient temperature, both are off when the set point is higher.	
	In the 4 tube version, with the automatic cooling/heating regulation system, when both symbols are displayed it signifies the set point having been reached (neutral band).	

3.7 Stand By

Key	Operation	Display
	Press and hold the ON Stand-By key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	Off

When the control is in this operating mode, anti freezing is in any case guaranteed. If the ambient temperature drops below 5°C, the solenoid valves on the hot water output and the boiler are opened.

3.8 Temperature selection

Key	Operation	Display
	Set the required room temperature using the two increase/decrease keys to set the temperature value on the 3-digit display.	

The adjustment range is from 16 to 28°C in intervals of 0.5°C, but out-of-range values are also accepted, from 5°C to 40°C (unless in auto mode).
Only set these values for brief periods, and then set a intermediate value.
The controller is very precise - set it to the required value and wait for the controller to regulate itself according to the actual room temperature detected.

3.9 Automatic operation

Key	Operation	Display
AUTO	Press and hold the AUTO key. The function being activated is indicated by the relevant symbol appearing on the display.	A

Ventilation speed adjustment is carried out automatically between the minimum and maximum values, according to the distance of the actual room temperature from the set point, according to a PI-type algorithm.

3.10 Silent operation

Key	Operation	Display
	Press and hold the Silent key. The function being activated is indicated by the relevant symbol appearing on the display.	

Ventilation speed is limited to a contained maximum value.

3.11 Night-time operation

Key	Operation	Display
	Press and hold the Night-time operation key. The function being activated is indicated by the relevant symbol appearing on the display.	

By selecting this mode, ventilation speed is limited to a very contained level and the set temperature is adjusted automatically, as follows:
- decreases by 1°C after one hour and by another degree after two hours in heating mode;
- increases by 1°C after one hour and by another degree after two hours in cooling mode;

3.12 Operation at maximum ventilation speed

Key	Operation	Display
	Press and hold the Max Operation key. The function being activated is indicated by the relevant symbol appearing on the display.	

In this operation mode, the maximum possible power level is activated whether heating or cooling.
Once the desired room temperature is reached, we recommend selecting one of the other 3 operation modes for increased comfort and sound levels.

3.13 Key lock

Key	Operation	Display
+	By pressing both the + and - keys for 3 seconds, all keys are locked locally, and this is indicated by "bL" appearing on the display. All actions are disabled to the user and whenever any key is pressed, "LOC" will appear. To unlock the keys, repeat the sequence.	bL
−		

3.14 Reduce brightness to minimum

After 20 seconds from the last action, the panel brightness will be reduced for improved night-time comfort, and the room temperature will appear on the display.
If this brightness is still disturbing, the display can be switched off completely.

Key	Operation	Display
+	With the display off, press and hold the + key for 5 seconds until "01" is displayed. Use the - key to change the value to 00 and wait 20 seconds to check the setting has been accepted.	00

3.15 Deactivation

Key	Operation	Display
⏻	Press and hold the ON Stand-By key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	Off

The controller also ensures anti freezing when in stand-by.

3.16 Room temperature probe regulation offset

As the detection probe is towards the bottom of the device, the temperature detected may at times differ from the actual room temperature.
By using this function, the value displayed can be adjusted in a range from -9 to +12 K in intervals of 0.1°C.
Use this adjustment with care, and only after having actually detected a discrepancy compared with the actual room temperature using a reliable device!

Key	Operation	Display
−	With the display off, press and hold the - key for 5 seconds to access the menu which allows adjustment (using the + and - keys) of the AIR probe offset displayed, from -9 to +12 K in 0.1 K intervals. After 20 seconds from the last action, the panel switches off and the setting is stored.	00.0

3.17 ON, OFF and Reset of the WiFi network (only for EWF649 - EWB649)

To activate the WiFi network:
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- do not touch anything for another 10 sec, the fancoil WiFi is active and remains visible and usable with the last configured name.

To reset the fancoil and return its WiFi network to the original configuration (named "Fancoil"):
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- press the button again, the message "rSt " appears on the display.
- do not touch anything for another 10 sec. At this point, new WiFi configuration of the fancoil is required.

To turn off the WiFi network:
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- press the button until the text "OFF " appears.
- the WiFi transmitter will therefore be off and no longer visible from smartphone/tablet.

3.18 Switching off for long periods

When switching off for a season or for holidays, proceed as follows:
- Deactivate the device
- Turn the general unit switch to off.

⚠ The antifreeze function is not active.

3.19 Error signals

Error	Display
Room temperature probe fault (on the thermostat).	⚠ E1
Fault or connection of a double remote room probe on board one of the fan coil units connected.	⚠ E2

E4T643

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4.1 SMART TOUCH electronic control panel with fixed speed modulation

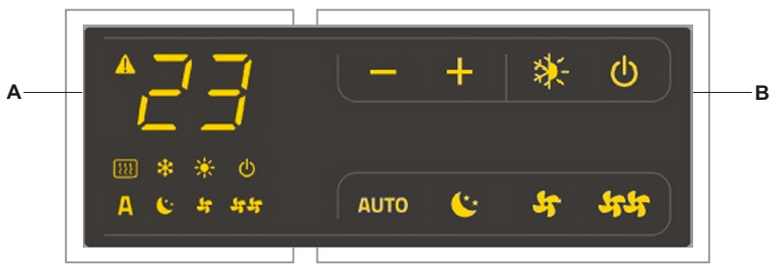
These controls make room temperature adjustment (with offset settable from the keyboard) completely autonomous through the four speeds by means of a probe located in the lower part of the device, ensuring anti-freeze safety even when set to stand-by.
The control panel has a memory, so settings will not be lost if the appliance is switched off or in the power supply is cut.

⚠ Controls cannot be installed on the SLI and RSI versions.

⚠ After 20 seconds from the last action the panel brightness will be reduced for improved night-time comfort, and the room temperature will appear on the display. Press any key to restore maximum brightness.

The 10 kΩ water temperature probe positioned in the device battery regulations the minimum level when heating (30°C) and the maximum level when cooling (20°C).

A	Display
B	Keys



4.2 Display

Any statuses and alarms are also shown on the display by using 8 specific symbols:

A	Automatic operation in steps
	Minimum operation
	Maximum ventilation speed
	Super silent operation
	Heating on

	Cooling on
	Supervision active (flashing light)
	Alarm indicator (solid light)
	Panel off indicator
	Resistance active indicator

4.3 Key function

The various functions are set using 8 backlit keys:

+	Temp + is for increasing the set temperature by 1 K
−	Temp - is for decreasing the set temperature by 1 K
	Heating / Cooling: for changing the operation mode between heating and cooling
AUTO	In automatic mode, the fan carries out a "stepped" adjustment to move the room temperature closer to the set point.

	The super silent setting activates powerful dehumidifying when cooling and only radiation when heating.
	Maximum speed operation: Allows for the maximum ventilation speed to be set
	ON/Stand-By: for activating the device or for putting it in stand-by.
	Minimum: limits ventilation speed to a very contained value

4.4 General On Switch

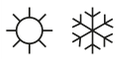
In order to manage the device via the control panel, this must be connected to the mains electricity.
If a general switch is installed on the power line, this must also be switched on.
- Turn the device on by activating the general switch

4.5 Activation

To activate the device

Key	Operation	Display
	Press the ON Stand-by key	From off to on
AUTO	Select one of the four speeds by pressing the relevant key.	

4.6 Heating/cooling operation modes setting

Key	Operation	Display
	Keep the Heating / Cooling key pressed for approx. 2 seconds to change the mode between heating and cooling, which is indicated by the 2 symbols that appear if heating or cooling is active.	
	When heating, the symbol displays when the set point is higher than ambient temperature, both are off when the set point is lower.	
	When cooling, the symbol displays when the set point is lower than ambient temperature, both are off when the set point is higher.	
	In the 4 tube version, with the automatic cooling/heating regulation system, when both symbols are displayed it signifies the set point having been reached (neutral band).	

One of the two symbols flashing means that the water temperature (hot or cold) is not sufficient, and stops the fan until the temperature reaches a level suitable for reaching the required temperature.
If after switching the power on the board detects the H2 probe, start-up occurs in normal conditions with the minimum and maximum thresholds.
The board also has a function when there is no H2 probe, in such cases the fan stop thresholds are ignored.

4.7 Stand By

Key	Operation	Display
	Press and hold the ON Stand-By key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	From on to off

When the control is in this operating mode, anti freezing is in any case guaranteed. If the ambient temperature drops below 5°C, the solinoid output is opened.

4.8 Temperature selection

Key	Operation	Display
	Set the required room temperature using the two increase/decrease keys to set the temperature value on the 3-digit display.	

The adjustment range is from 16 to 28°C in intervals of 1 °C, but out-of-range values are also accepted, from 5°C to 40°C (unless in auto mode).

Only set these values for brief periods, and then set a intermediate value.

4.9 Ventilation speed regulation

Key	Operation	Display
AUTO	The fan speed is selected by using one of the 4 keys (automatic, minimum, super silent and maximum). The activation of the function is indicated by the relevant symbol on the display.	A

In automatic mode, the fan carries out a "stepped" adjustment to move the room temperature closer to the set point.
The super silent setting activates powerful dehumidifying when cooling and only radiation (with the fan off, solenoid valve, and in the RS version, microfans activated) when heating.
By setting the highest speed, the maximum possible power level is activated immediately whether heating or cooling.
Once the desired room temperature is reached, we recommend selecting one of the other 3 operation modes for increased comfort and sound levels.
In "minimum" mode, the number of fan revolutions is limited both when heating and cooling.

4.10 Key lock

Key	Operation	Display
+	By pressing both the + and - keys for 3 seconds, all keys are locked locally, and this is indicated by "bL" appearing on the display. All actions are disabled to the user and whenever any key is pressed, "LOC" will appear. To unlock the keys, repeat the sequence.	bL
−		

4.11 Reduce brightness to minimum

After 20 seconds from the last action, the panel brightness will be reduced for improved night-time comfort, and the room temperature will appear on the display.
If this brightness is still disturbing, the display can be switched off completely.

Key	Operation	Display
+	With the display off, press and hold the + key for 5 seconds until "01" is displayed. Use the - key to change the value to 00 and wait 20 seconds to check the setting has been accepted.	00

4.12 Deactivation

Key	Operation	Display
⏻	Press and hold the ON Stand-By key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	From on to off

The controller also ensures anti freezing when in stand-by.

4.13 Room temperature probe regulation offset

As the detection probe is towards the bottom of the device, the temperature detected may at times differ from the actual room temperature.
By using this function, the value displayed can be adjusted in a range from -9 to +12 K in intervals of 1°C.
Use this adjustment with care, and only after having actually detected a discrepancy compared with the actual room temperature using a reliable device!

Key	Operation	Display
—	With the display off, press and hold the - key for 5 seconds to access the menu which allows adjustment (using the + and - keys) of the AIR probe offset displayed, from -9 to +12 K in 1 K intervals. After 20 seconds from the last action, the panel switches off and the setting is stored.	00

4.14 Switching off for long periods

When switching off for a season or for holidays, proceed as follows:
- Deactivate the device
- Turn the general unit switch to off.

⚠ The antifreeze function is not active.

4.15 Error signals

Error	Display
Faulty room temperature (AIR) probe	⚠ E1
Problem with fan motor (e.g. blockage caused by foreign objects, faulty rotation sensor).	⚠ E2
Water temperature probe fault for 2-tube versions (H2). In this case, ensure that the probe installed is 10 kΩ.	⚠ E3
Engaging of grille microswitch S1 due to filter cleaning operation	⚠ Gr

E2T543

EN

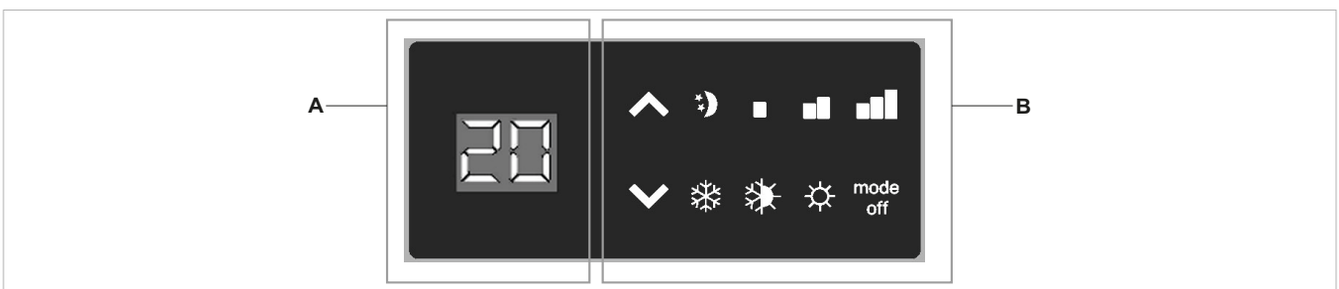
5.1 4-speed on board LCD electronic control panel

The controller makes the regulation of room temperature entirely automatic using the set point setting which can be adjusted between 5°C and 40°C, to one of the 4 speeds and the summer/winter setting.
As it is connected to the water temperature probe, in the battery it has the function of detecting the minimum temperature in winter (30°C) and maximum temperature in summer (20°C).
The control panel has a memory, so settings will not be lost if the appliance is switched off or in the power supply is cut.

⚠ Controls cannot be installed on the SLI and RSI versions.

⚠ After 20 seconds from the last action, the panel brightness will be reduced for improved night-time comfort, and the room temperature will appear on the display. Press any key to restore maximum brightness.

A	Display
B	Keys and LEDs



5.2 LED indications

The 6 LEDs display the operational states:

■	Green symbol minimum speed
▟	Green symbol medium speed
▟■	Green symbol maximum speed

★☽	Green symbol Super silent function
☼	Red symbol heating
❄	Blue symbol cooling

5.3 Key function

The various functions are set using 4 keys:

^	Temp + is for increasing the set temperature
v	Temp - is for decreasing the set temperature

◐	Heating / Cooling: for changing the operation mode between heating and cooling (2 seconds)
mode off	For activating the device, for selecting one of the 4 speeds or for placing in stand-by (2 seconds).

5.4 General On Switch

In order to manage the fan coil via the control panel, this must be connected to the mains electricity.
If a general switch is installed on the power line, this must also be switched on.
- Turn the device on by activating the general switch

5.5 Activation

To activate the device

Key	Operation	Display
mode off	Press the mode/off key	Off → On
mode off	Select one of the 4 operating speeds by pressing the relative mode/off key. When heating, the symbol displays when the set point is higher than ambient temperature, both are off when the set point is lower. When cooling, the symbol displays when the set point is lower than ambient temperature, both are off when the set point is higher.	

5.6 Heating/cooling operation modes setting

Key	Operation	Display
	Keep the Heating / Cooling key pressed for approx. 2 seconds to change the mode between heating and cooling, which is indicated by the 2 symbols that appear if heating or cooling is active.	

One of the two symbols flashing means that the water temperature (hot or cold) is not sufficient, and stops the fan until the temperature reaches a level suitable for reaching the required temperature.

5.7 Stand By

Key	Operation	Display
mode off	Press and hold the mode/off key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	On → Off

5.8 Temperature selection

Key	Operation	Display
	Set the required room temperature using the two increase/decrease keys to set the temperature value on the 2-digit display.	

The adjustment range is from 15 to 30°C in intervals of 1°C, but out-of-range values are also accepted, from 5°C (Lo) to 40°C (Hi).
Only set these values for brief periods, and then set a intermediate value.
The controller is very precise - set it to the required value and wait for the controller to regulate itself according to the actual room temperature detected.

5.9 Ventilation speed regulation

Key	Operation	Display
mode off	Each time the mode/off button is pressed the fan speed moves between supersilent, minimum, medium and maximum. The function being activated is indicated by the relevant symbol appearing on the display.	

The super silent setting activates powerful dehumidifying when cooling and only radiation (with the fan off, and solenoid valve activated) when heating.
By setting the highest speed, the maximum possible power level is activated immediately whether heating or cooling.
Once the desired room temperature is reached, we recommend selecting one of the other 3 operation modes for increased comfort and sound levels.

5.10 Key lock

Key	Operation	Display
∧	When the increase and decrease keys are pressed simultaneously for 5 seconds, all keys are locally locked; this is indicated by bL appearing on the display. All actions are disabled to the user and whenever any key is pressed, "LOC" will appear. To unlock the keys, repeat the sequence.	bL
∨		

5.11 Reduce brightness to minimum

After 20 seconds from the last action, the panel brightness will be reduced for improved night-time comfort, and the room temperature will appear on the display.
If this brightness is still deemed to be disturbing, the display can be switched off completely by pressing the Heating/Cooling key for 20 seconds until the display shows LO.

To return to normal minimum brightness, press the Heating/Cooling button for 20 seconds until the display shows HI.

5.12 Deactivation

Key	Operation	Display
mode off	Press and hold the mode/off key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	On → Off

5.13 Switching off for long periods

When switching off for a season or for holidays, proceed as follows:

- Deactivate the device
- Turn the general unit switch to off.

5.14 Error signals

Error	LED	Display
Faulty room temperature (AIR) probe 6 LEDs flashing (alarm with automatic reset).		E1
Water temperature probe (H2) positioned in the main battery fault 2 LEDs flashing (possible manual reset)*.		E3
Problem with fan motor (e.g. blockage caused by foreign objects, faulty rotation sensor). 4 LEDs flashing simultaneously (alarm with automatic reset).		E2
Water demand (hot or cold) insufficient (above 20°C when cooling, below 30°C when heating). The LED of the selected function flashes and the fan is stopped until the water temperature reaches a suitable level to satisfy the demand.		
Grill protection micro switch tripped due to accidental opening of the grill or when filter cleaning is operating.		Gr

* If the board detects the water temperature probe on the device, it starts in normal conditions. If the probe is not connected, operation can be confirmed without the probe by pressing the Heating/Cooling key for 5 seconds.

B3V137

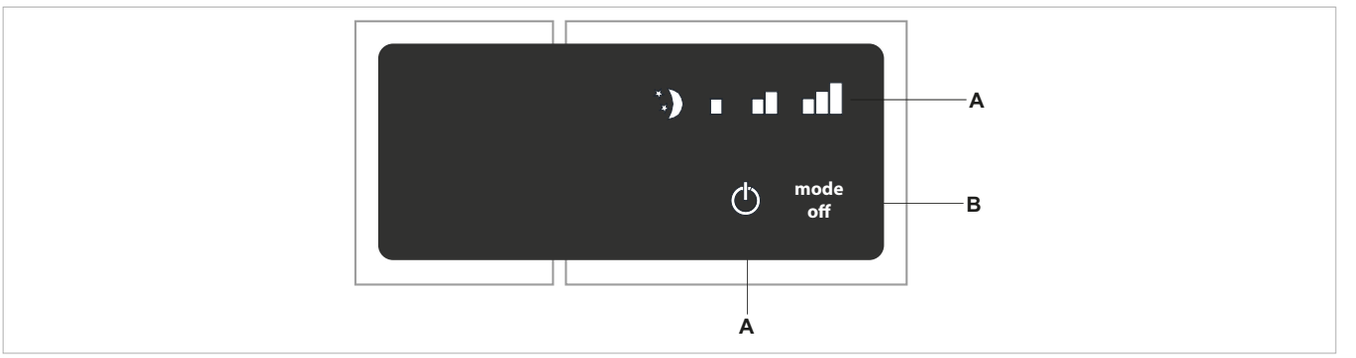
6.1 On-board speed selector for connecting to standard thermostat.

The command is for switching on and off and selecting the 4 speeds directly from the fan coil.
Switching on and off takes place via closing of the external thermostat contact.
The control panel has a memory, so settings will not be lost if the appliance is switched off or in the power supply is cut.

⚠ Controls cannot be installed on the SLI and RSI versions.

⚠ After 20 seconds from the last action, the LED brightness will be reduced for improved night-time comfort. Press any key to restore maximum brightness.

A	Warning Led
B	speed selection key



6.2 LED indications

The 5 LEDs display the operational states:

■	Minimum speed selected
▟	Medium speed selected
▟■	Maximum speed selected

☾	Supersilent function selected
⏻	Fan coil off or TA contact open (flashing)

6.3 General On Switch

To manage the fan coil via the selector, it must be connected to the mains and to a room thermostat with a single 230V AC contact.
If a general switch is installed on the power line, this must also be switched on.
- Turn the device on by activating the general switch

6.4 Activation

To activate the device

Key	Operation	Display
mode off	Press the mode/off key	Off → On
mode off	Select one of the 4 operating speeds by pressing the relative mode/off key. If the red symbol ⏻ is flashing, it means that the room thermostat is not connected; it therefore needs to be activated.	

6.5 Stand By

Key	Operation	Display
mode off	Press and hold the mode/off key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	Off → On

6.6 Ventilation speed regulation

Key	Operation	Display
mode off	Each time the mode/off button is pressed the fan speed moves between supersilent, minimum, medium and maximum. The function being activated is indicated by the relevant symbol appearing on the display.	

By setting the highest speed, the maximum possible power level is activated immediately whether heating or cooling.
Once the desired room temperature is reached, we recommend selecting one of the other 3 operation modes for increased comfort and sound levels.

6.7 Deactivation

Key	Operation	Display
mode off	Press and hold the mode/off key for approx. 2 seconds. No illuminated signals on the display at all means that the system is in stand-by (no operation).	Off

6.8 Switching off for long periods

When switching off for a season or for holidays, proceed as follows:

- Deactivate the device
- Turn the general unit switch to off.

6.9 Error status warnings

The board provides diagnostics in the event of anomalies, which can be interpreted from combinations of LEDs.
The following table summarises the warnings.

- Flashing LED ⏻: TERM contact open
- Flashing LED ⏻: TERM contact closed;
- 4 flashing LEDs: GRID contact open;
- LED on: supersilent speed active (400 rpm).
- LED on: minimum speed active (680 rpm).
- LED on: medium speed active (1,100 rpm).
- LED on: maximum speed active (1,500 rpm).

MAINTENANCE

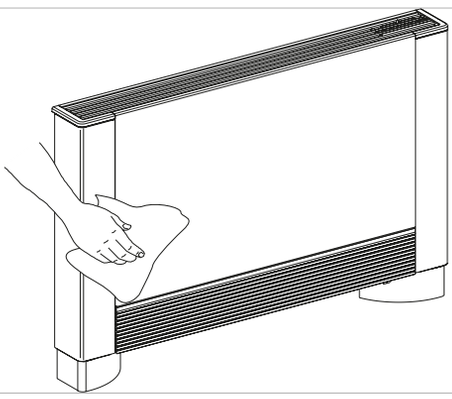
7.1 External cleaning

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

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

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

When necessary, clean the external surfaces of the fan coil with a soft damp cloth.



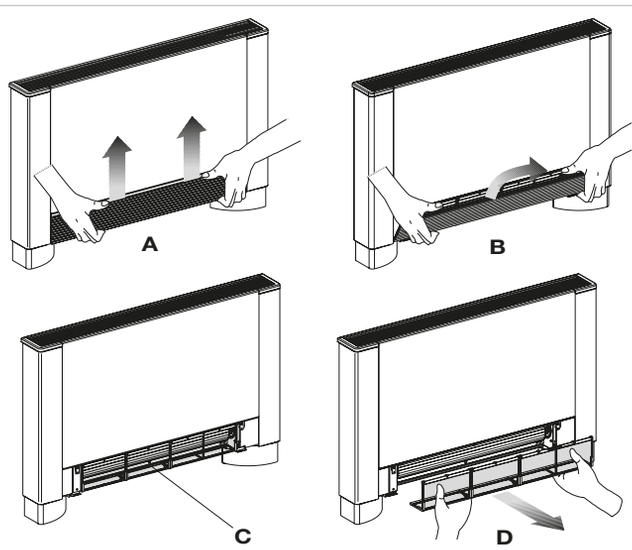
7.2 Air suction filter cleaning

Clean the air filter after a period of continuous use and according to the concentration of impurities in the air; or when you wish to start-up the appliance after a period of inactivity, proceed as described.

Removal of filtering cells in versions with suction or flap grill.

- remove the front grill by lifting gently, and rotate until completely removed from its housing;
- extract the filter by pulling outwards horizontally.

A	Front grill
B	Grill housing
C	Filter
D	Filter extraction

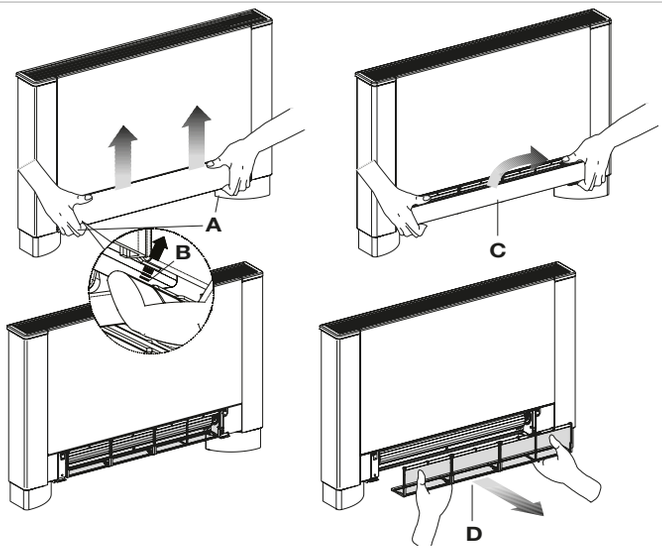


Removal of filtering cells in versions with mobile panel suction.

- Pass hand underneath the far side of the mobile panel
- Press the plastic tabs
- Lift and extract the mobile panel
- Extract the filter.

A	Mobile panel
B	Plastic tabs

C	Filter
D	Filter extraction



Cleaning the filters

- Remove dust from the filter with a vacuum cleaner
- Wash the filter under running water without using detergents or solvents, and leave to dry.
- Replace the filter on the fan coil, paying particular attention to insert the lower edge in its housing.

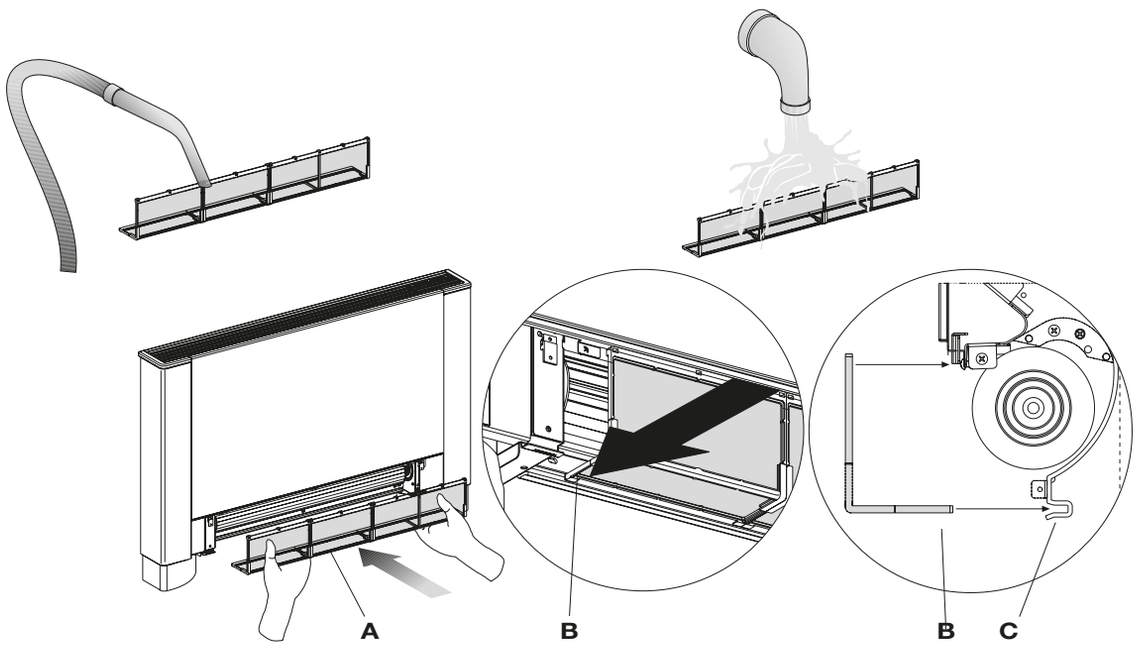
⛔ Do not use the device without the mesh filter.

⚠ The device is fitted with a safety switch that prevents fan operation without the mobile panel in place.

⚠ After filter cleaning, check that the panel is properly mounted.

A	Filter
B	Lower edge

C	Filter housing

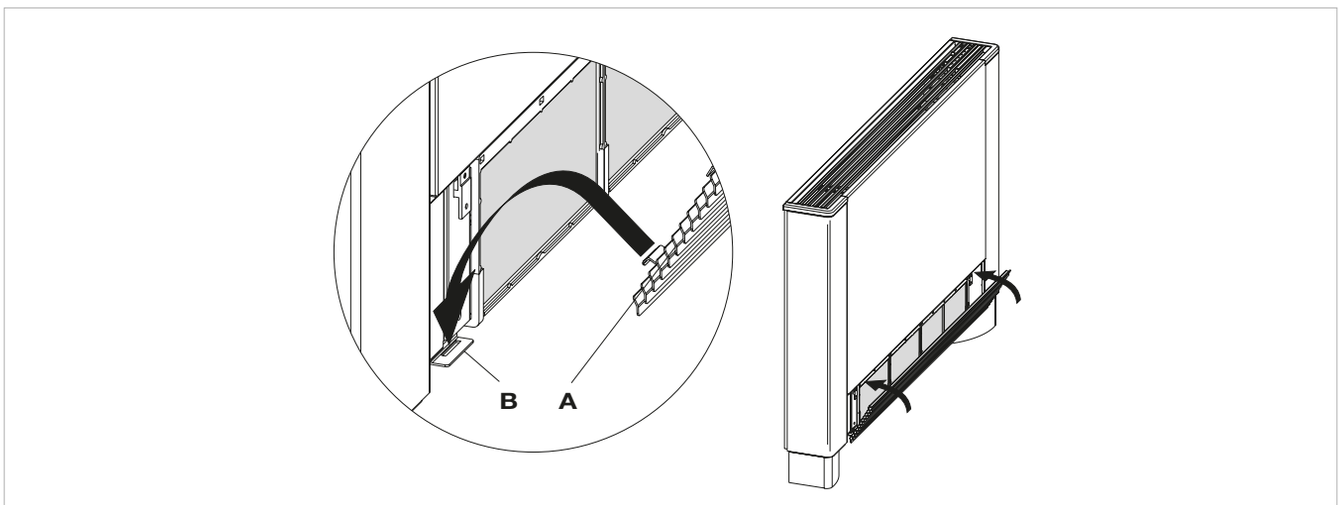


Complete cleaning operations

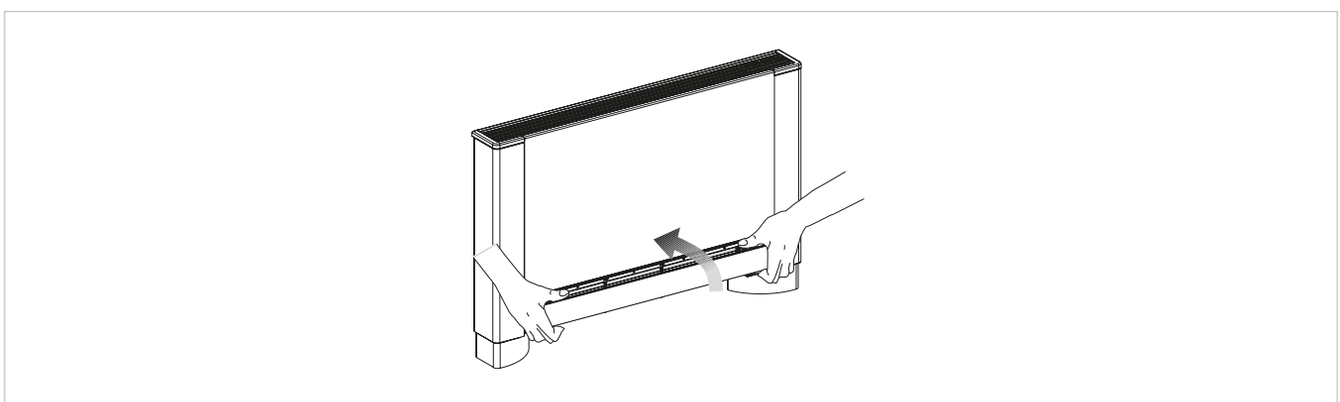
- For versions with a flap grill, insert the two tabs in the corresponding loops, rotate and attach with a light tap to the upper section.

A	Tabs

B	Loops



- For versions with a mobile panel, rest in position parallel to the front and press until locked into place.



7.3 Suggestions for power saving

- Ensure filters are constantly clean;
- Keep doors and windows closed as far as possible in rooms to be conditioned;
- In summer, limit direct sunlight as far as possible in rooms to be conditioned (with curtains, shutters, etc.).

TROUBLESHOOTING

8.1 Troubleshooting

⚠ In the event of water leaks or anomalous operation, disconnect mains power immediately and close all water taps.

⚠ If one of the following anomalies should occur, contact an authorised service centre or qualified personnel, do not try to repair yourself.

- Ventilation does not start even if there is hot or cold water in the hydraulic circuit.
- The device leaks water when heating.
- The device leaks water only when cooling.
- The device makes excessive noise.
- Rust is forming on the front panel.

8.2 Troubleshooting table

Maintenance must be carried out by a qualified installer or by a specialised service centre.

Effect	Cause	Solution
Ventilation takes a long time to start when new temperature settings or anew mode is activated.	The circuit valve needs time to open and to let cold or hot water circulate.	Wait 2 or 3 minutes for the circuit valve to open.
The device doesn't start ventilating.	No hot or cold water in the system.	Check that the boiler or the water cooler are working.
Ventilation does not start even if there is hot or cold water in the hydraulic circuit.	The hydraulic valve stays closed.	Disassemble the valve body and check and restore water circulation.
		Check that the valve is working by powering it up separately from a 230V supply. If it starts working, the problem may be with the electronic controller.
	The fan motor is blocked or burned out.	Check the motor windings and that the fan can turn freely.
	The microswitch that stops ventilation when opening the filter grill doesn't close properly.	Check that closing the grill closes the contact on the microswitch.
	Electrical connections are incorrect.	Check the electrical connections.
The device leaks water when heating.	Water leakage from the system plumbing.	Check for leaks and tighten all connections.
	Leaks from the valve group.	Check the seals.
Rust is forming on the front panel.	Thermal isolators detached.	Check that the thermal sound isolators are positioned correctly, paying particular attention to the one positioned at the front above the winged battery.
Water droplets are forming on the grill and the air outlet.	In high relative ambient humidity (>60%), condensation may occur, especially when the fan is at its minimum speed.	As soon as relative humidity decreases, the problem will disappear. In any case, should some water droplets fall inside the units, it does not mean that there is a malfunction.
The device leaks water only when cooling.	The condensation tank is blocked.	Slowly pour a bottle of water in the lower part of the battery to check drainage; if required, clean the tank and/or improve the incline of the drain tube.
	The condensation drain does not have sufficient incline to drain.	
	The connection pipes and valve group are not well isolated.	Check pipe insulation.
The device makes excessive noise.	The fan is touching the structure.	Check for dirt in filters and if necessary, clean them.
	The fan is unbalanced.	An unbalanced fan causes excessive vibrations in the machine: replace the fan.
	Check for dirt in filters and if necessary, clean them.	Clean the filters.

INNOVAPP OPERATION

InnovApp Fancoils

for EWF644 - EWF647 - EWF649 - EWB649

9.1 Minimum system requirements

The INNOVA Fancoils App lets you manage the main parameters of your fancoil using a smartphone and tablet from home or when you are out. Using our App is very simple. Just switch on the fancoil display, set up the connection with your smartphone and begin managing the fancoil directly from your device.

Follow the step by step guide all the way to the end.

To download and install the app, there are some operating system version requirements for your smartphone:

- for Android smartphone, the minimum version is 4.1.1
- for Apple smartphone, the operating system must be IOS 8.0 or higher.

9.2 Downloading and configuring the APP

1. From your smartphone, connect to the Apple Store or Google Play.
2. Search for InnovApp Fancoils
3. Download the App onto your smartphone, following the installation wizard to install it.
4. Open the App

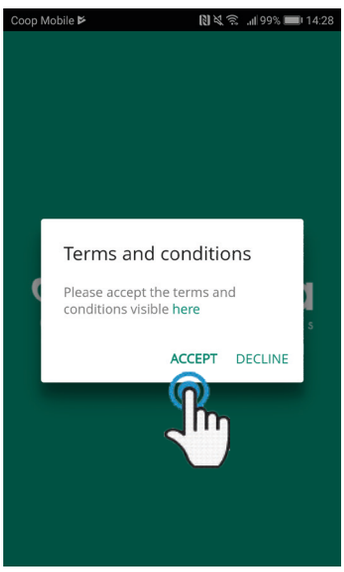


Figure 9-1

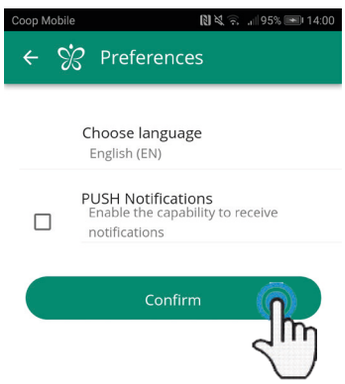


Figure 9-2

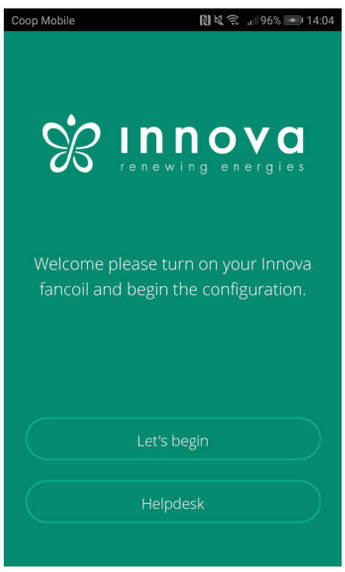


Figure 9-3

At the first launch, a pop-up appears for acceptance or refusal of the terms and conditions of use, which can be consulted by tapping on the word “here”, therefore accessing the INNOVA website.(Figure 9-1)

Tap “Let’s begin” to start using InnovApp Fancoils.

Select the language and the PUSH notification management method.
Tick the “PUSH notifications” preference to receive alarms connected to the fancoil’s operation on your smartphone even when the App is closed. (Figure 9-2)

Note: These settings can also be changed later by selecting the “Preferences” menu item.

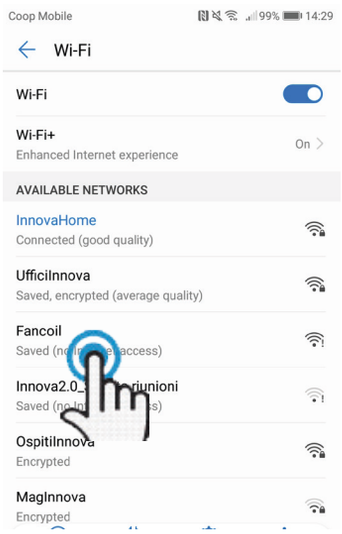


Figure 9-4

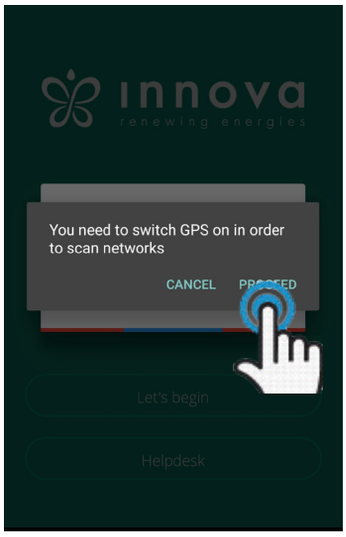


Figure 9-5

After switching on the display of your fancoil, go to your telephone's WiFi settings:

1. ensure that you have activated WiFi
1. check the available WiFi connections
1. find the "Fancoil" network
1. connect to it.

Note: with Android devices, this procedure is automatic. With iOS devices, you must enter the WiFi settings of your device and select the "Fancoil" network.

Note: If there are several air conditioners to configure, switch on one at a time in order to prevent errors.

Note: If the App asks you to be connected to the position, to accept for facilitating the search of the fancoil. (Figure 9-5)

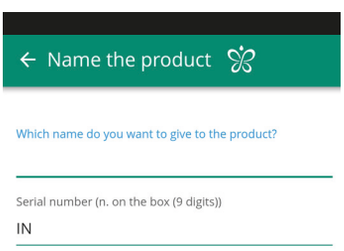


Figure 9-6

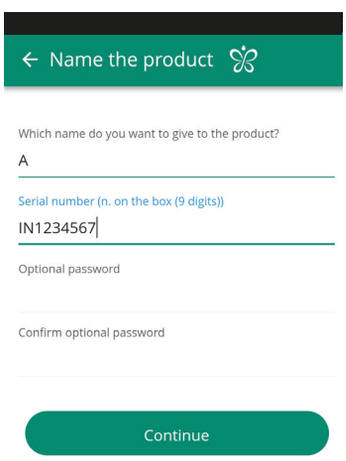


Figure 9-7

The product screen appears (Figure 9-6) where you can assign a name and indicate the unit's serial number, made up of 9 alphanumeric characters on the fancoil's data plate.

A password can be set for the "Fancoil" network in order to protect against management of your product by unauthorised users.

Note: For Android devices, after entering the name of the product, the WiFi network name also changes automatically.
For iOS devices, once the name has been edited, you must therefore go back to your telephone's WiFi settings and connect to the renamed network "Fancoil" followed by _ and the name that you have just established, for example "Fancoil_A").
(Figure 9-8)

Note: The device name can also be changed later by accessing the menu item "My Products" and tapping on the second icon (pencil symbol).

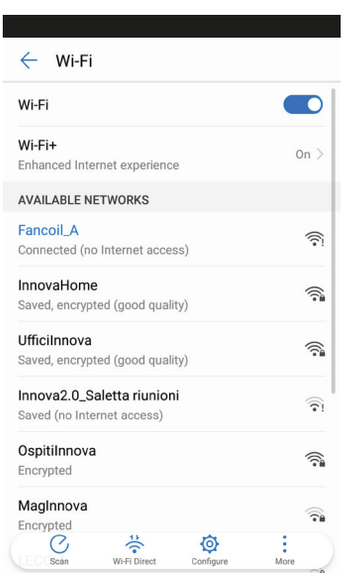


Figure 9-8

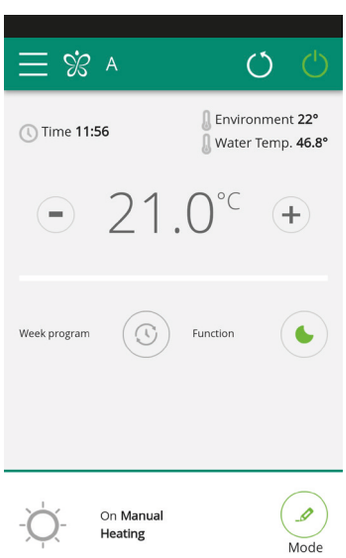


Figure 9-9

When one of the configured products is selected, the general fancoil control screen appears, through which it can be controlled and managed. (Figure 2-9)

Note: From this moment on, your smartphone becomes the remote control that you use to control the fancoil over the local network, but not over the Internet.
In order to do this, you must complete another step: connect to your home WiFi, accessing your smartphone's settings and then select the "Remote Control" menu item.

9.3 App features

9.4 General control screen

EN

GENERAL CONTROL SCREEN
of the fancoil

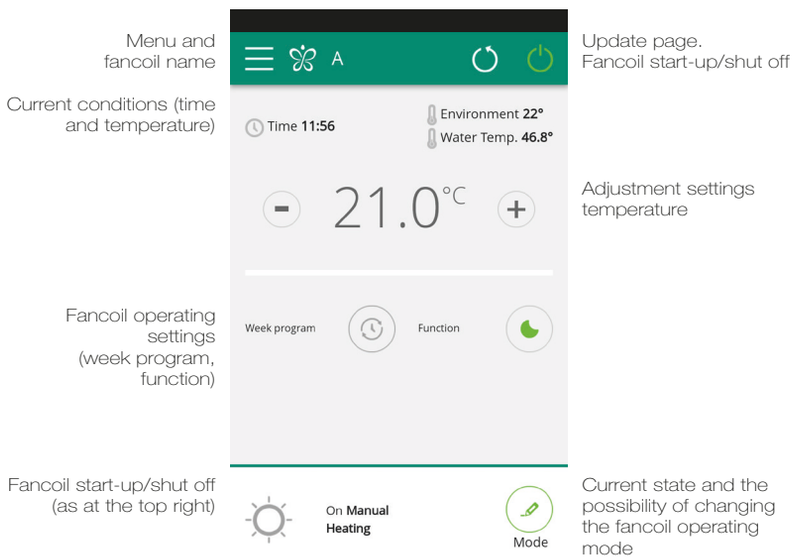


Figure 9-10

9.5 Menu

MENU
menu items

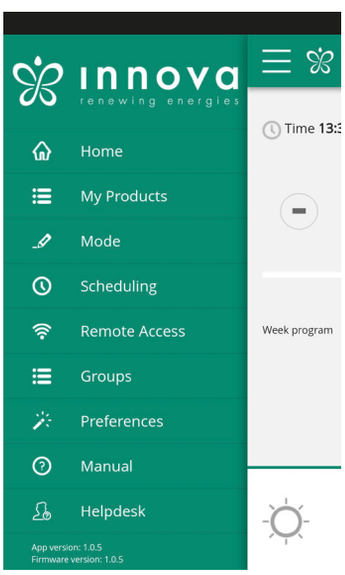


Figure 9-11

HOME
general control screen
(Figure 9-10)

MY PRODUCTS
list of the fancoils and groups of fancoils configured in the App

MODE
list of possible fancoil management modes

SCHEDULING
section dedicated to the weekly scheduling of the fancoil.
Note: this is possible only if remote control has been configured

REMOTE CONTROL
visible only when the device is configured in standalone mode and used to move to the cloud

ADVANCED
visible only when the device is configured in cloud mode and allows DHCP / IP configuration of the network

GROUPS
list of groups of several fancoils (e.g. 1st floor, 2nd floor,…).

PREFERENCES
language and PUSH notifications

MANUAL
link to the INNOVA website where you can find the necessary documentation
www.innovaenergie.com/en/documents-products-airconditioners-innova/manuals/

HELPDESK
to ask for support

9.6 My Products

MY PRODUCTS

list of the fancoils and groups configured in the App

Figure 9-12

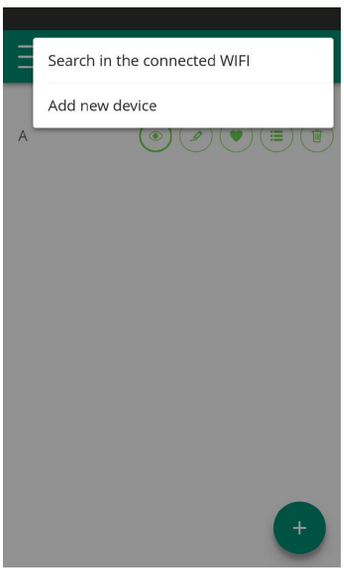


Figure 9-13

By selecting the "My Products" item, you can see the fancoils on the network. They can be edited and/or scheduled as desired.

New devices can be added, searching for, installing and configuring them tapping on the **+** symbol in the top right corner and/or at the bottom right.
This will open the screen as illustrated in Figure 9-13.

When you select one of the configurated products, appears the general fancoil control screen, through which it can be controlled and managed.

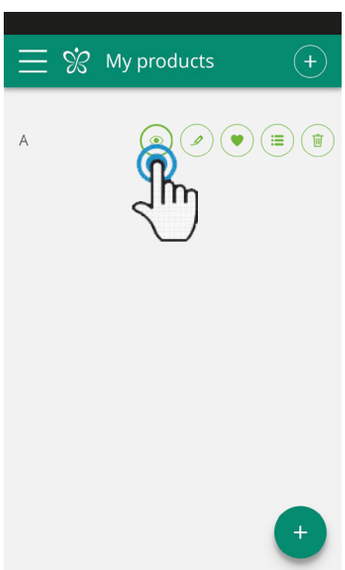


Figure 9-14

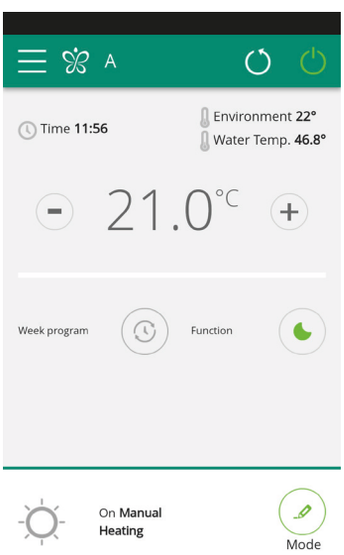


Figure 9-15

View the general control screen of the device (if configured as standalone it will automatically connect to your network)

Change the device name (only if connected to the WiFi network of the same)

Set your device as a favorite (the default device will be displayed when the app starts)

List of devices

Delete the device from the list of configured devices

9.7 Mode

MODE
list of possible fancoils management modes

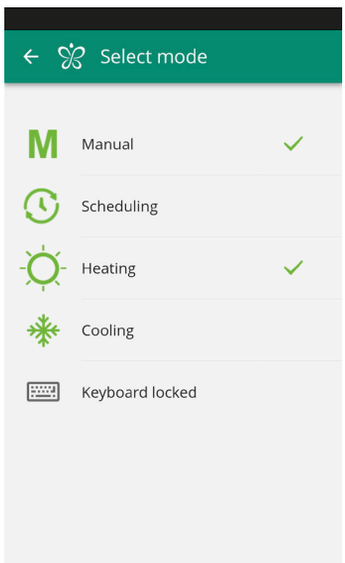


Figure 9-16

The fancoil operating mode can be changed in several ways:

- selecting "Mode" in the general menu

- clicking on the change button at the bottom right of the fancoil general screen (see section 9.4 on page 32).

This provides access to the screen illustrated in Figure 9-16.

From the “Mode” screen, you can enable the Keyboard locked.
(Figura 9-17)

After the lock has been applied, a warning signal appears on the general control Screen. (Figura 9-18)

From this moment the fancoil control display is locked, the parameter management is possible only through smartphone or tablet.

To return to change the fancoil settings from the display, uncheck the “Keyboard locked” entry.

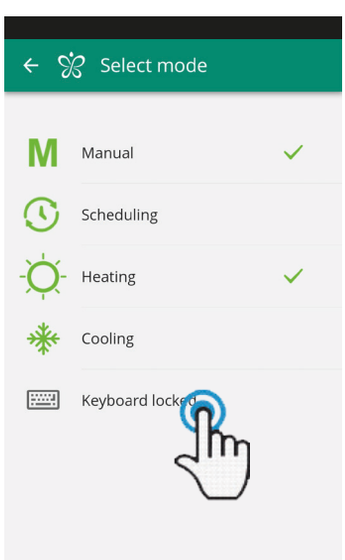


Figure 9-17

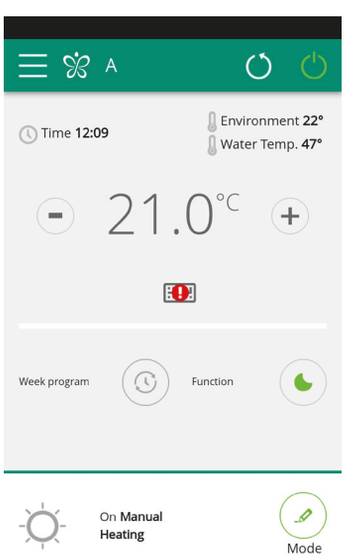


Figure 9-18

9.8 Scheduling

SCHEDULING
section dedicated to the weekly scheduling of the fancoil

Note: this option is possible only if remote control has been configured (see section 9.9 on page 38 to enable remote control).

By selecting the "Scheduling" item, you access the fancoil calendar scheduling feature. (Figure 9-19).

By clicking "edit" on a day of the week, you can add and define one or more start-up and shut-down periods for the fancoil during that day, clicking on the "+" symbol. (Figurae2-20).

Note: Schedule several start-up/shut-down periods with a minimum duration of half an hour on the same day.

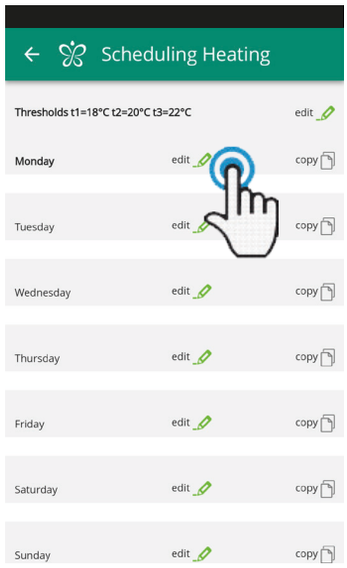


Figure 9-19

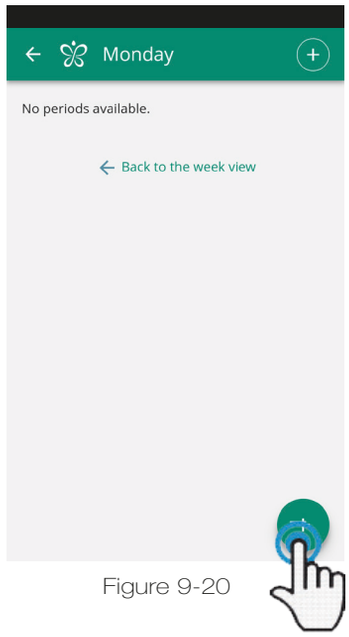


Figure 9-20

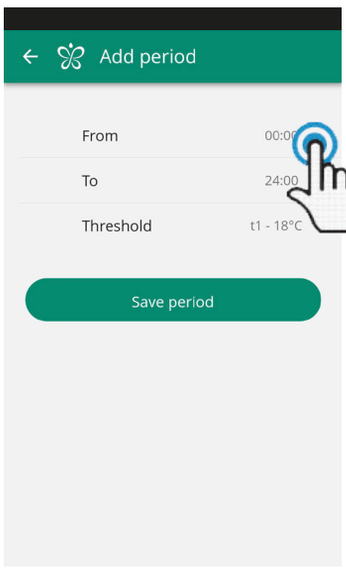


Figure 9-21

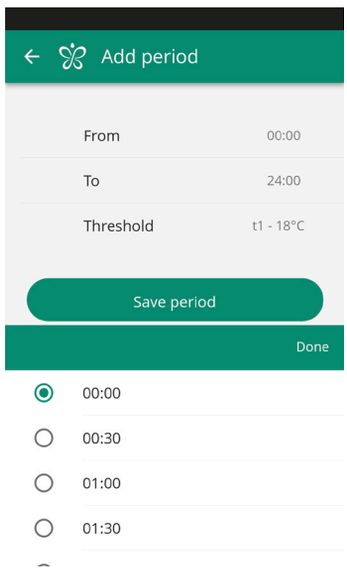


Figure 9-22

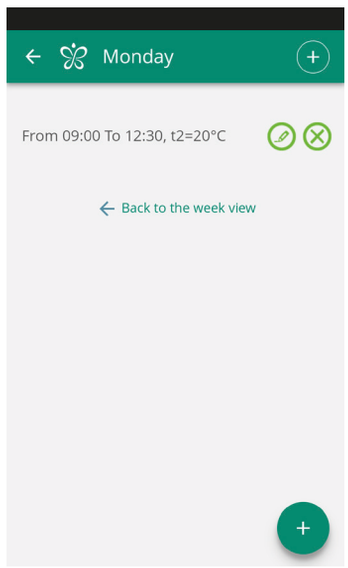


Figure 9-23

To change the switching on or off period, click on one of the two times (Figur 9-21).

Once scheduling of a day has been confirmed, you will be returned to the screen with the list of the days of the week

If you want to apply the same schedule that you have just confirmed for other days, simply click "copy" and select the days where you want to apply this schedule (as illustrated in the sequence of example figures shown below).

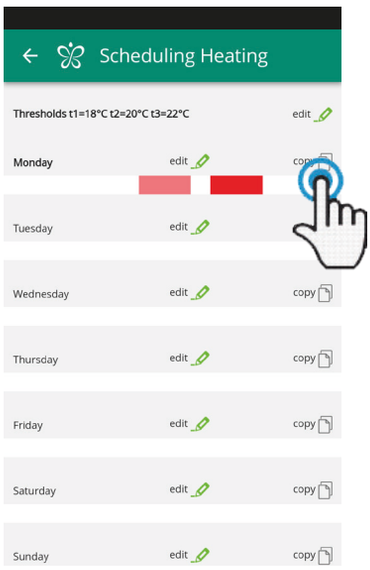


Figure 9-24

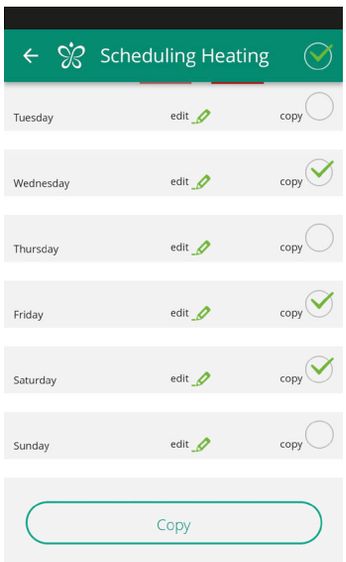


Figure 9-25

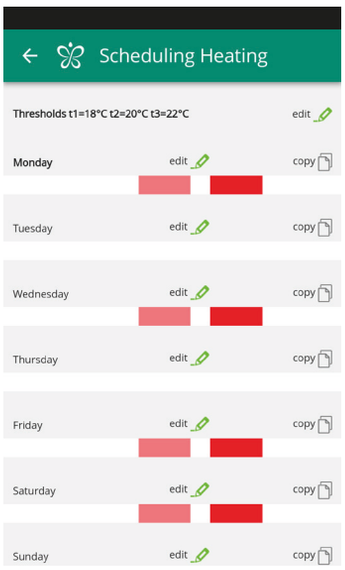


Figure 9-26

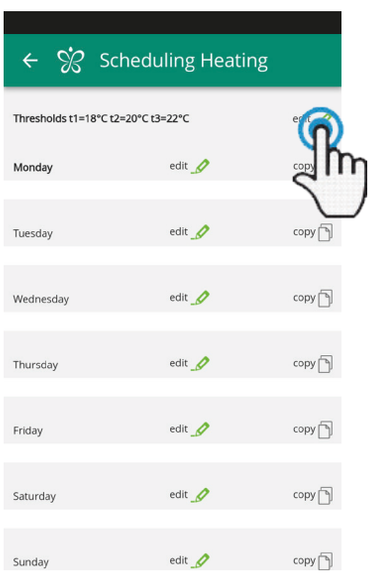


Figure 9-27

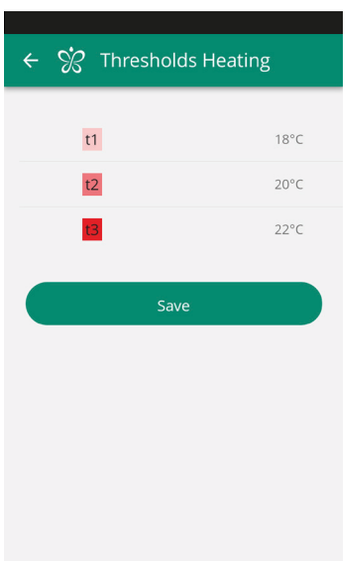


Figure 9-28

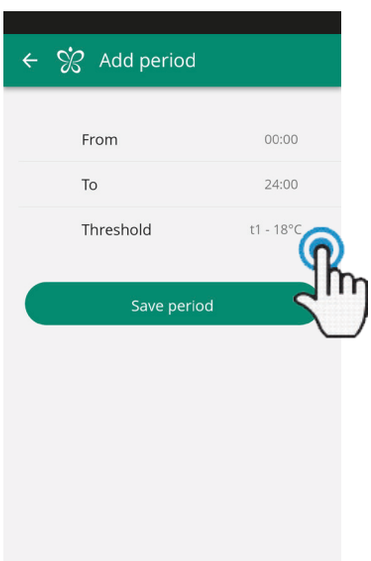


Figure 9-29

In addition to the weekly programming of the fancoil, in this section you can also adjust 3 temperature threshold.

By clicking on “edit” in the upper right corner you can set 3 temperatures. (Figures 9-27 e 9-28)

You can chose these temperature thresholds in the schedule of the week.

Following the same programming mode as a day of the week, in the time setting screen (Figure 9-29) click on “threshold” to select the temperature.

Returning to the main screen with the list of days of the week, the times will have different colours according to the set temperature. (Figure 9-26)

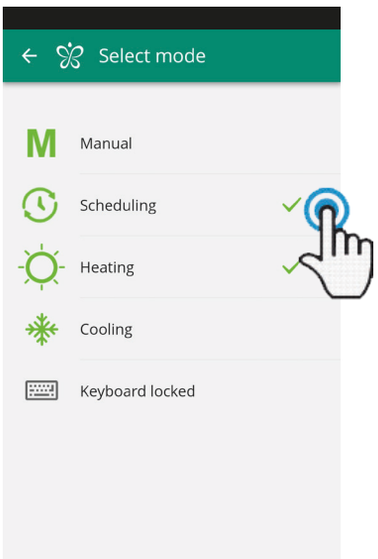


Figure 9-30

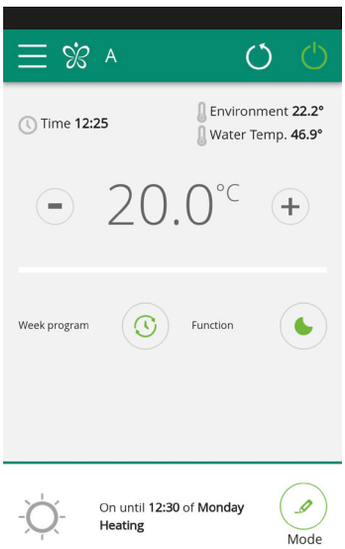


Figure 9-31

After completing scheduling, select the “Mode“ item in the general menu, then “Programming“. This activates the weekly program you just created.

Returning to the fancoil's main screen (Figure9-31, on the lower part, there are the indication of the scheduling.
If you was in the scheduled shut-down time, the time of the first fancoil restart will be showed in the lower part.

To deactivate scheduling and return to manual mode:

- select "Mode" in the general menu and then "Manual".

- clicking on the edit icon at the bottom right of the fancoil general screen.

Note: If the settings are changed on the fancoil display, scheduling is disabled and manual mode is resumed.

If the fancoil is in a place that is open to the public, where it cannot be monitored, the display screen lock can be enabled in order to prevent unauthorised people from changing the settings.

Just select “Mode” in the general menu, then “Keyboard locked”.
(see section 9.7 on page34).

Note:
Set up a different weekly programming for the heating and cooling modes.

9.9 Remote access

REMOTE ACCESS
manage your fancoil even away from home

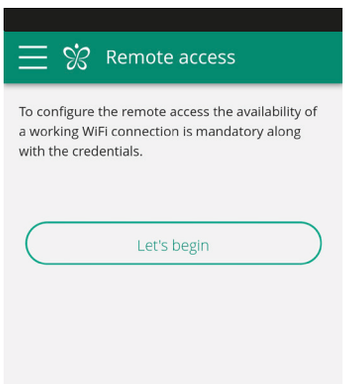


Figure 9-32

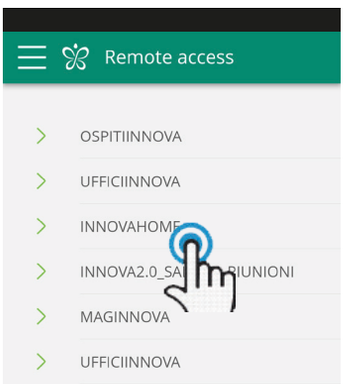


Figure 9-33

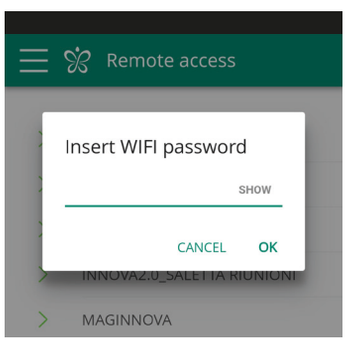


Figure 9-34

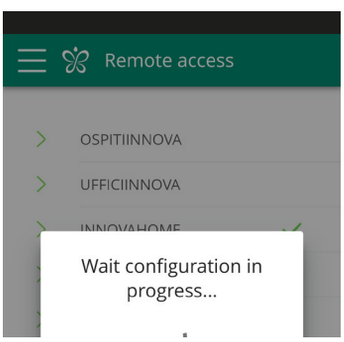


Figure 9-35

Once you have selected the menu item "Remote Access", a list of the available WiFi connections will appear.

Note: the fancoil can connect only with 2.4GHz networks.

Select the preferred network for Internet access.Then enter the WiFi network password and confirm it.

The App connects the fancoil to the domestic network and the main screen to manage the appliance will appear again on the smartphone/ tablet.
At this point, the smartphone/tablet is connected to the selected network.

From this moment, your fancoil is connected to a server over the Internet and can be managed from anywhere in the world over your telephone's WiFi or data connection.

Note: In the event that the procedure is not successful, the smartphone/tablet will automatically reconnect to the local network of the fancoil.
Therefore, repeat the procedure, rechecking the password entered and the name of the network.

Note: When the device is displayed in the cloud it may happen that the display of "Temp" is the name for the device.
In this specific case the device failed to restart, the communication works correctly but the name is incorrect. To solve, it is necessary to rewind the fancoil (removing and returning power).

Wifi network features

- working internet connection
- static public IPs are not required
- no incoming configurations are required on the ROUTER (NAT or other specific rules) - working dns service
- functioning DHCP service or alternatively the following information:
  - local ip address to be assigned to the subnet mask card
  - gateway
  - dns
- if the router or other entities in the customer's network have ACLs at the MAC-address level, the MAC-address of the card must be enabled if the client wants to control some features locally (noe change, advanced settings change, pc control) WIFI network must allow communication between devices connected to the same wifi (= WiFi Isolation must not be enabled)

Technical requirements for the proper functioning of the cloud connection TCP port 80, 443, 19009, 18321, 18009 output

9.10 Groups

GROUPS
list of groups of several fancoils

If you have several fancoils, you can combine them in groups to simplify scheduling and management of them. (For example, the fancoils in a hotel could be grouped by floor).

First of all, select "Groups" in the menu and create a new group by clicking on "+". (Figure 9-36)

Then give a "Title" to the group and save using the icon at the top right. (Figures 9-37 e 9-38)

The group has been created but it has still not been associated with any fancoil.

Returning to the "Groups" screen, the new group will appear and it can be edited or deleted using the adjacent icons.

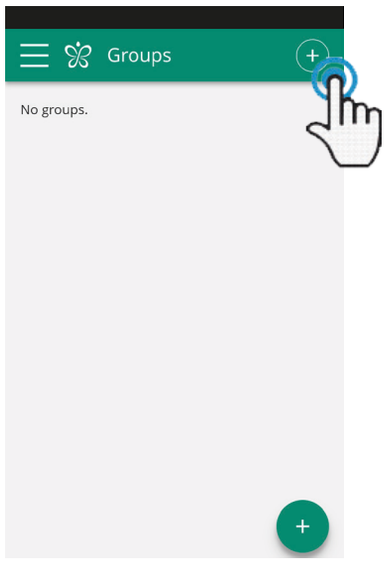
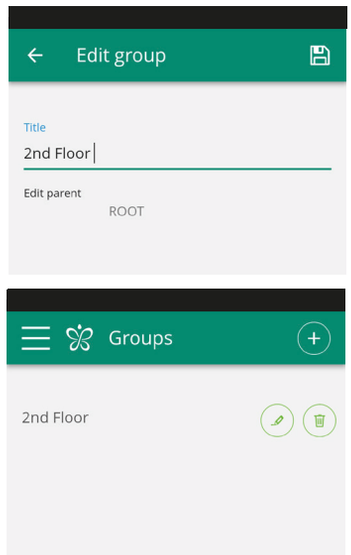


Figure 9-36



Figures 9-37 e 9-38

To associate a fancoil to a group, select “My Devices” item from the menu.
The section contains the list of all the configured fancoils and groups.

Click on the eye beside the group name and then on the "+" symbol and select the fancoils to associate.
Lastly, save using the icon at the top right.

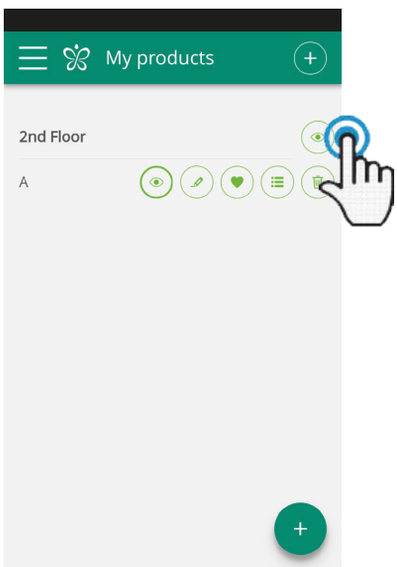


Figure 9-39

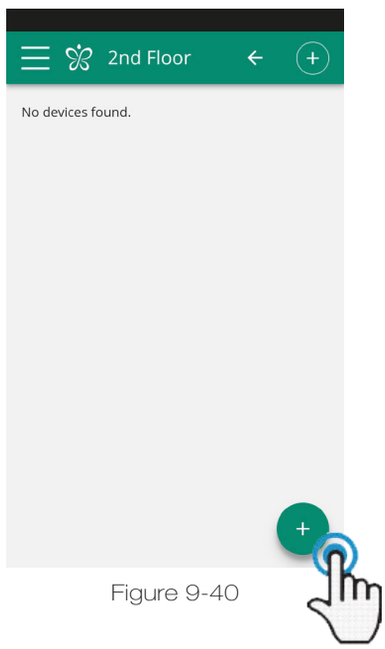


Figure 9-40

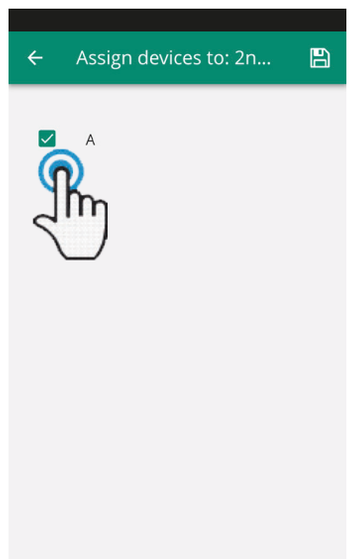


Figure 9-41

You can also associate a fancoil with the group through the fancoil itself.
Select the penultimate icon on the row of the fancoil (icon list with three rows) and click "Assign groups"
(Figure 9-42).
Assign the fancoil to one of the groups shown on the list.

When, on the other hand, you click "Copy settings", the settings of that fancoil are applied to the group that will be selected.

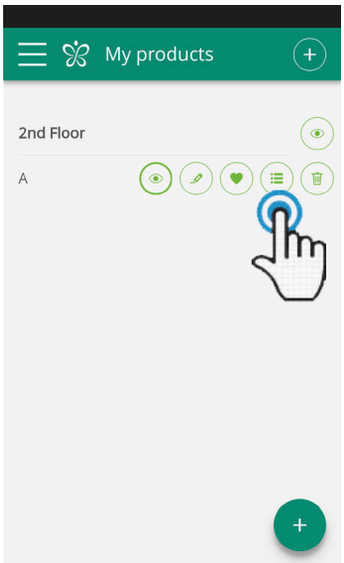


Figure 9-42

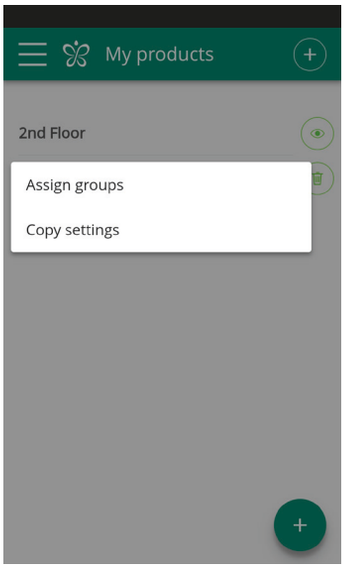


Figure 9-43

9.11 Preferences

PREFERENCES

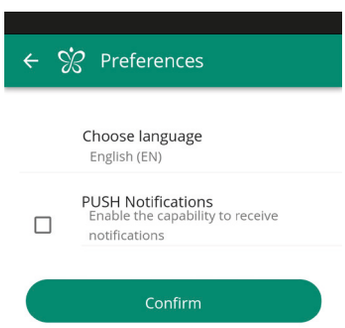


Figure 9-44

In the "Preferences" section which can be selected on the menu, the App language and the PUSH notification settings can be changed.

To receive notifications on the fancoil's operation directly on your smartphone even when you are not using the App, tick the "PUSH Notifications" option.

ALARM SIGNAL

If the alarm symbol appears as shown in Figure 9-45, click on it to display the error message.

See section 1.18 on page 9 for explanations.

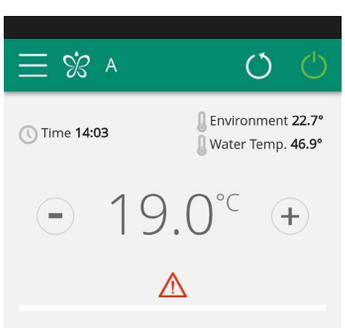


Figure 9-45

9.12 Control with several devices

CONTROL WITH SEVERAL DEVICES

The same fancoil can be managed with several devices (smartphone/tablet/PC).

After configuration with the first device, the machine can be controlled with another smartphone/tablet following the procedure described below.

First of all, you must connect to the Wi-Fi network where the fancoil you want to control is also connected.

Install the "InnovApp Fancoils" app on the new smartphone/tablet and proceed as illustrated in figures 9-1, 9-2 and 9-3 on page 30.

At this point, the telephone alerts that you are not connected to the right WiFi network and to connect to the "Fancoil": ignore the warning, clicking on the "**devices**" button right below the loading bar.

If you are connected to the WiFi network where your fancoil is also connected, the telephone automatically scans all the fancoils units connected to the network (Figura 9-46).

Once the device has been found, the general control screen opens automatically, from which you can control the fancoil with the second telephone/tablet as well.

Note: If the search does not automatically find the fancoil, press "**+**".

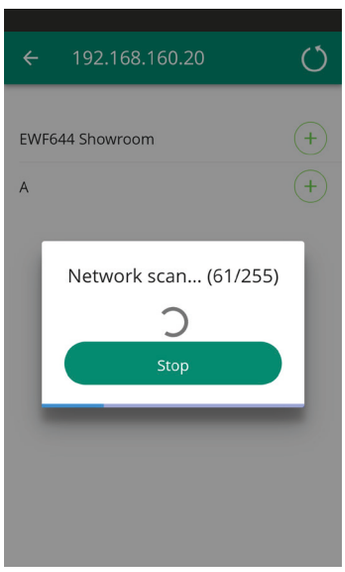


Figure 9-46

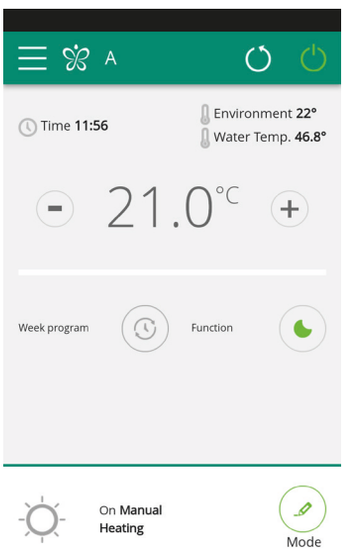


Figure 9-47

ON, OFF and RESET OF THE WIFI NETWORK

To activate the WiFi network:
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- do not touch anything for another 10 sec, the fancoil WiFi is active and remains visible and usable with the last configured name.

To reset the fancoil and return its WiFi network to the original configuration (named "Fancoil"):
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- press the button again, the message "rSt " appears on the display.
- do not touch anything for another 10 sec. At this point, new WiFi configuration of the fancoil is required.

To turn off the WiFi network:
- with display on, press the button for 10 seconds, the message "On " appears on the display.
- press the button until the text "OFF " appears.
- the WiFi transmitter will therefore be off and no longer visible from smartphone/tablet.

9.13 Troubleshooting

Effect	Causa	Solution
The fancoil cannot be configured on the iOS smartphone	iOS smartphones do not automatically identify the WiFi network which was renamed during configuration of the App	Go to the telephone's settings and select the fancoil unit's WiFi network with the name assigned to it during configuration of the App
Remote configuration is unsuccessful	The WiFi network may be weak	Check the signal power
The fancoil's WiFi cannot be found	The WiFi transmitter may be switched off or the fancoils may already be configured in "Remote Access"	Ensure that there is power to the device
Several fancoils in the house cannot be configured	During configuration, two or more fancoils are on	Configure one fancoil at a time: therefore, switch on one at a time, keeping all the others off, and start the configuration
The fancoil scheduling section cannot be accessed	Scheduling of the fancoil is possible only after remote control has been configured.	Ensure that you have configured remote control, accessing the dedicated section from the App menu. Otherwise, configure it as explained on page 38.
Immediately after carrying out remote configuration, the name of the fancoil is "TEMP"	This is a synchronisation problem between the fancoil, the server and the smartphone.	Wait a few minutes. Otherwise, shut down and restart the fancoil.
MQTT Server Problem	The server is in maintenance	Wait
Faults on the display: errors E7, E6 and other alarms		See page 11

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