

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

LCD SimpleTouch panel with WiFi & Bluetooth

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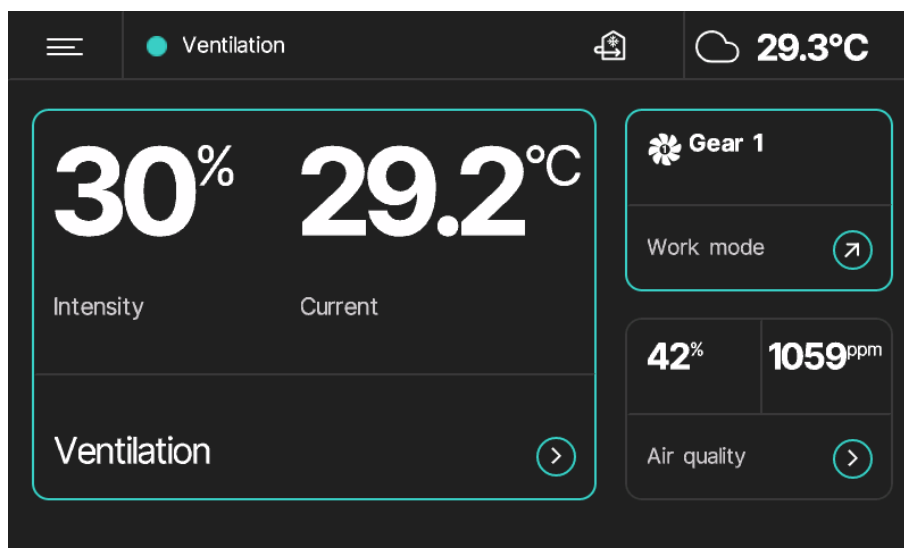
1. Home screen

When the electrical power of the unit is switched on, the home screen is displayed.



2. Main screen

Once the connection to the regulator has been established, the main screen of the panel will present key data on the unit's operation. The user will be able to see current parameters, such as the level of fan control and the current temperature from the lead sensor. The main screen also offers intuitive management options, allowing easy switching between different operating modes. On the main screen, if the air quality sensors are configured, it is also possible to activate Auto mode. In this mode, the system adjusts the settings on its own in an attempt to provide users with optimal comfort conditions.

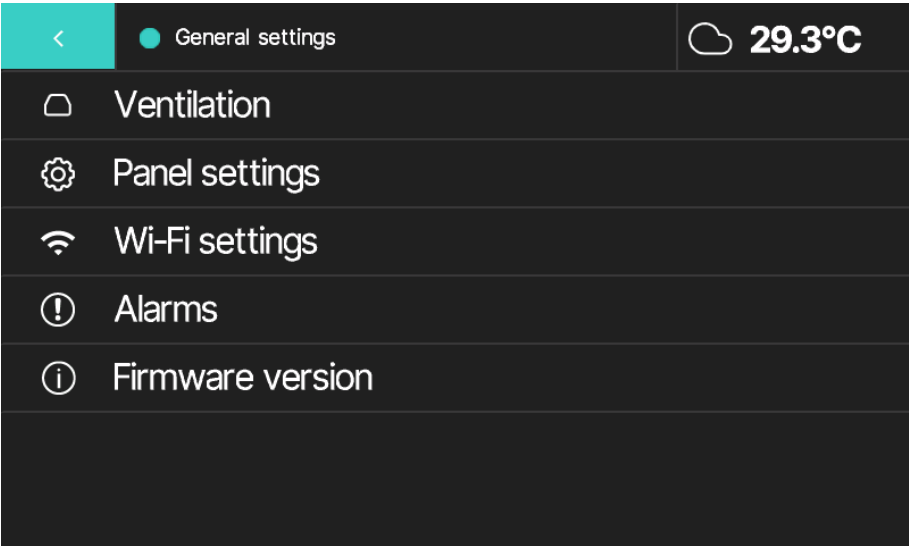


2.1. Main screen items:

Menu button




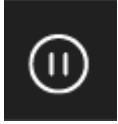






The navigation button in the top left corner of the screen allows the main menu of the panel to be displayed. The main menu contains 5 active buttons that direct the user to subsequent screens. Each menu item will be described later in this manual.


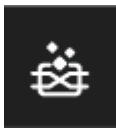



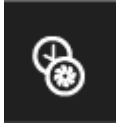

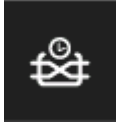

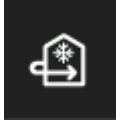


Device status icons

System status icons are displayed at the top of the screen to indicate the current operating status of the recuperator, such as on, off, malfunction or filters to be replaced



	Active alarm		Unit at standstill
	No connection to Wi-Fi network		Normal operation
	No status		Heating operation
	Unit off		Cooling operation

	Exchanger draining		Exchanger cleaning
	Air handling unit venting		Heater cooling
	Filter contamination test		BOOST mode
	Defrost		Start delay
	Heat recovery		Cold recovery

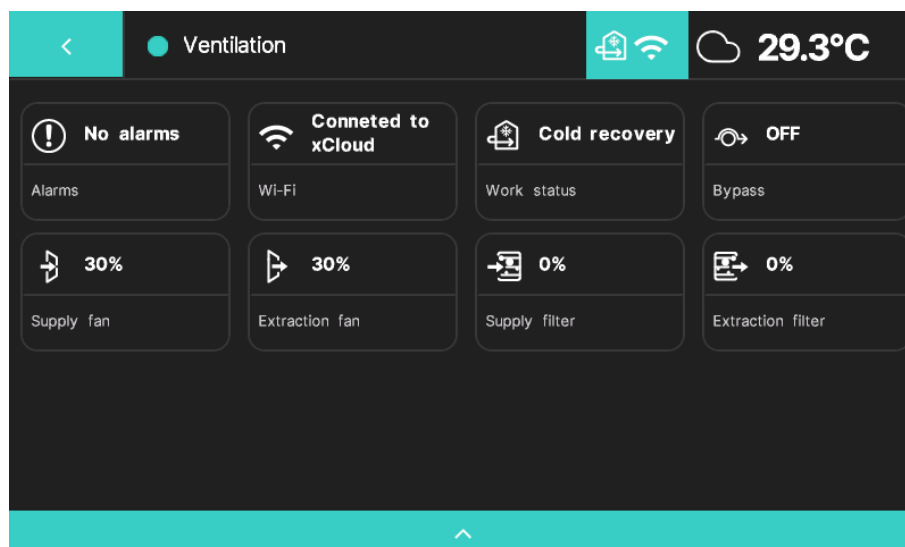
Outdoor temperature

The top right corner of the screen displays the outdoor temperature, which is taken from the intake temperature sensor.



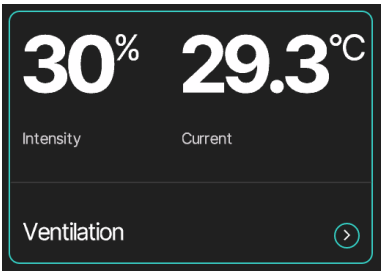
2.2. Information screen

By making a swipe gesture from the top edge of the screen downwards - an information screen with basic information about the unit drops down. On this screen, it is possible to quickly check whether there are **active alarms**, which is important for safety and the proper functioning of the system. The network **connection status** indicates the current quality and stability of the internet connection. The **operating status** of the unit indicates which operating mode the unit is in. **The opening status of the bypass throttle** and the **control of the air supply and exhaust fans** indicate the current airflow settings and intensity. The **status of the pre-heater** indicates whether it is active, and information on **contaminated air supply and exhaust filters** indicates the need for maintenance or replacement. This data allows the user full control of the system and helps to maintain optimum room air quality.



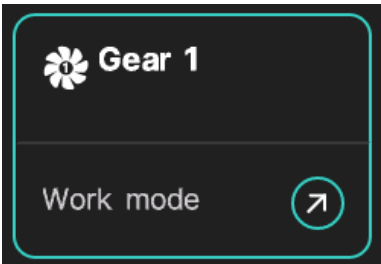
2.3. Ventilation tile

The central part of the screen contains the main Ventilation tile. The tile indicates the control of the fans and the current temperature read from the leading sensor. By touching the arrow in the bottom right corner of the tile, the ventilation settings can be accessed.



3. Operating mode tile

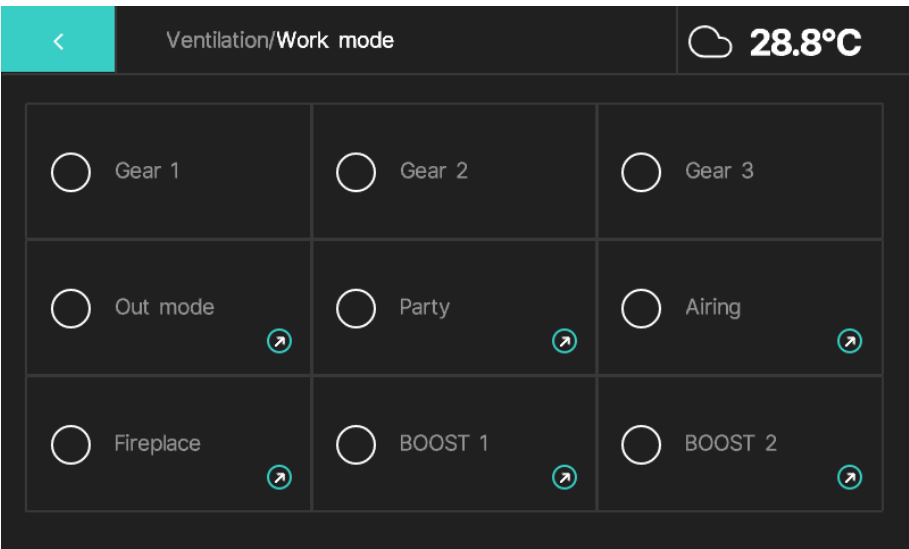
Indicates the current operating mode, when pressed it directs you to the operating mode selection screen.



3.1. Operating mode selection screen

The screen allows you to select the operating mode of the recuperator. The upper list contains the three time modes and the bottom list shows the running mode options. When the selected time mode is over, the system will automatically switch to the last running mode used.

Each of the time mode tiles contains an arrow which, when pressed, opens the screen for editing the settings of the selected time mode.

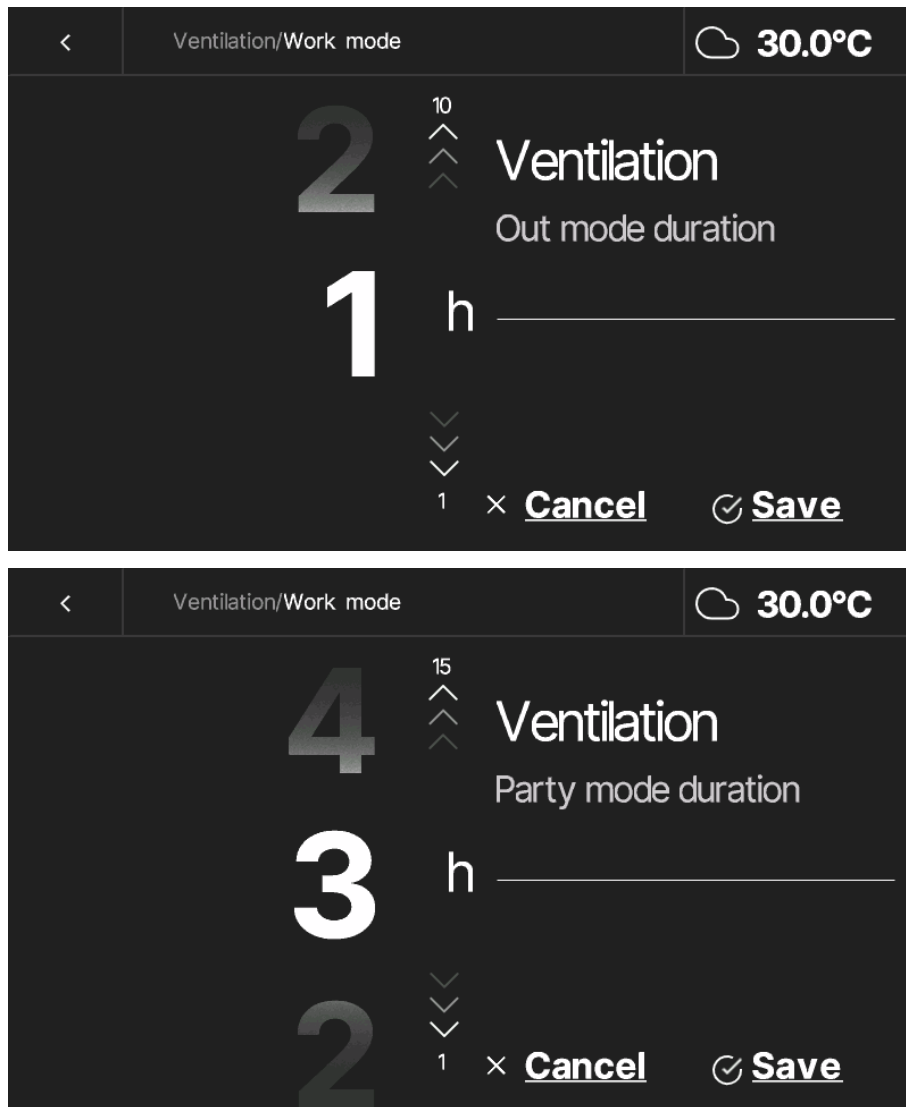


If a schedule mode is active, the bottom list containing the selection of the current running mode will be hidden.

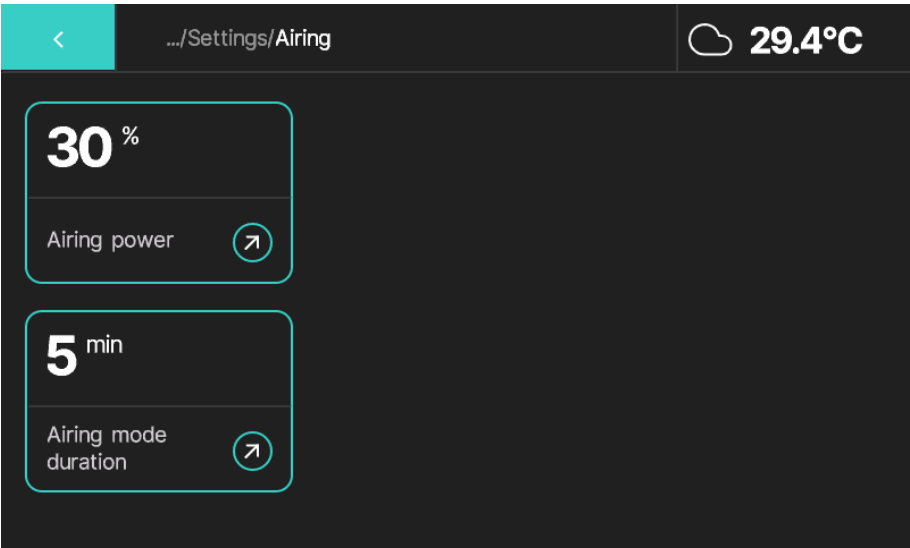
4. Exit, Party time modes settings

Both **Party** and **Exit** time modes have identical screens for edition of the operating time.

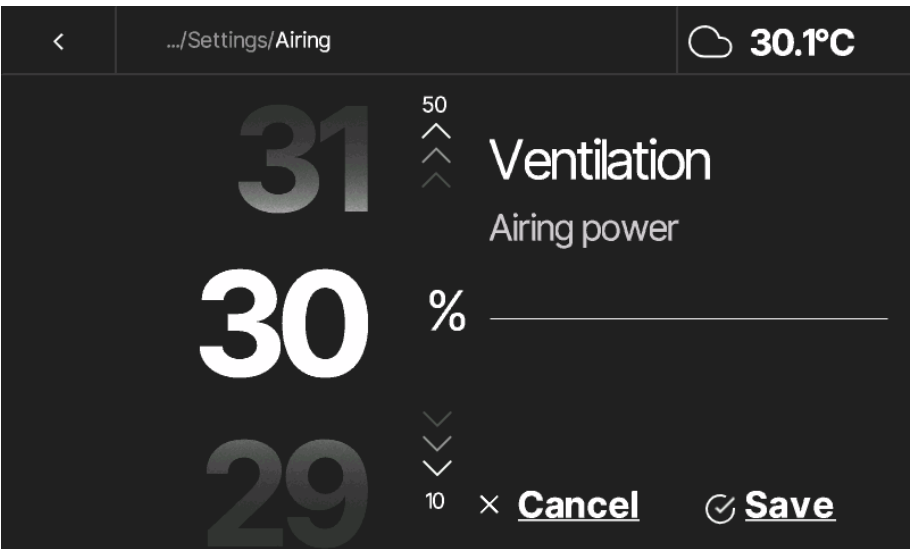
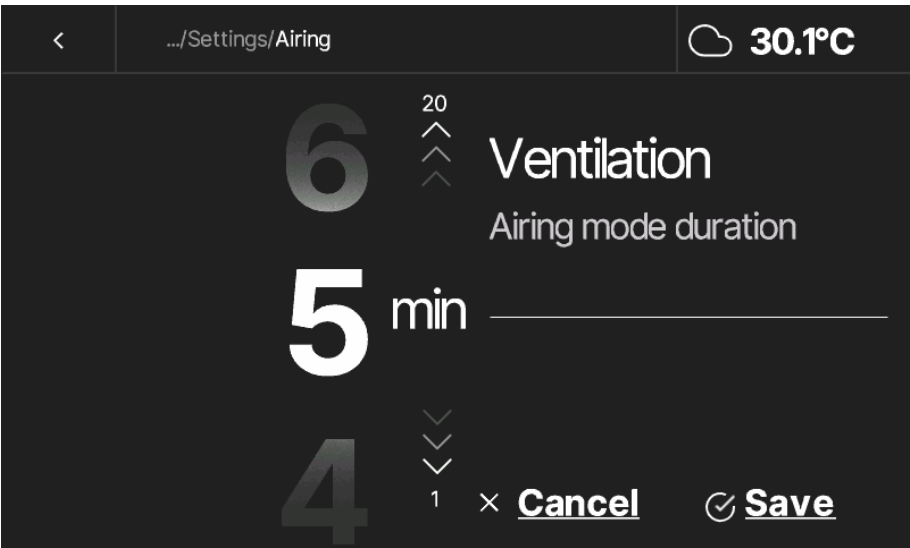
The screen allows you to select the duration of the mode. To edit the duration, press the bottom or top of the screen. A long hold will accelerate the edition.



4.1. Ventilation time mode settings screen

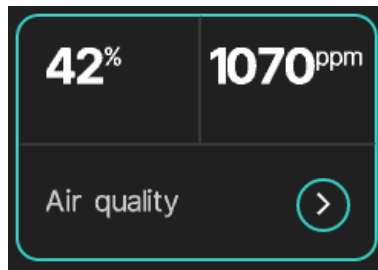


The **Ventilation** time mode, in addition to editing the duration, also allows to select the ventilation power

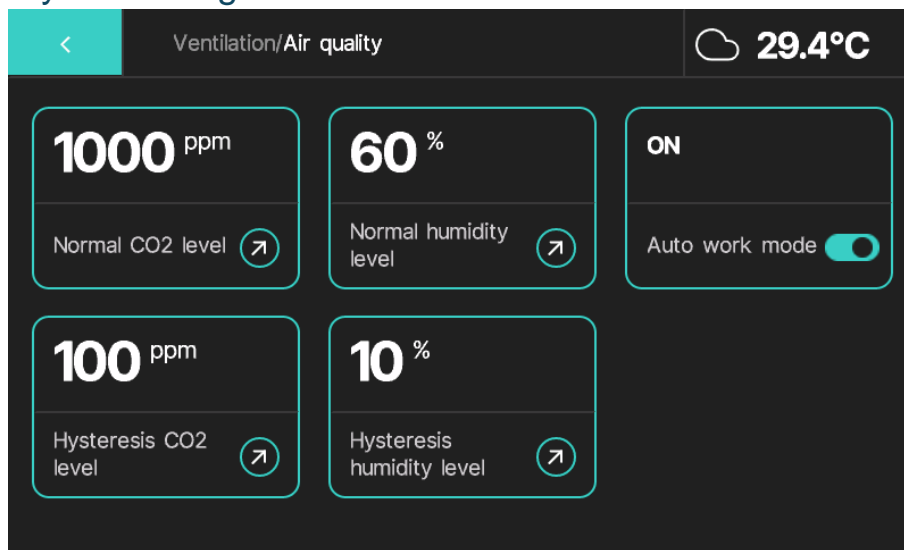


5. Air quality tile

Indicates current readings from the air quality sensors. When pressed it directs the user to the Auto mode settings where the user can activate the mode and adjust its settings. The purple outline of the tile indicates that the Auto mode is active.



5.1. Air quality tile settings



Normal CO2 level

Allows to set the normal CO2 level. When Auto mode is active, the ventilation will aim to maintain the set CO2 level. Maintaining the correct CO2 level will have priority over the humidity level.

Normal humidity level

Allows to set the normal CO2 level. When Auto mode is active, the ventilation will aim to maintain the set CO2 level once the appropriate CO2 level is reached.

Auto operating mode

Allows the activation of Auto mode

CO2 level hysteresis

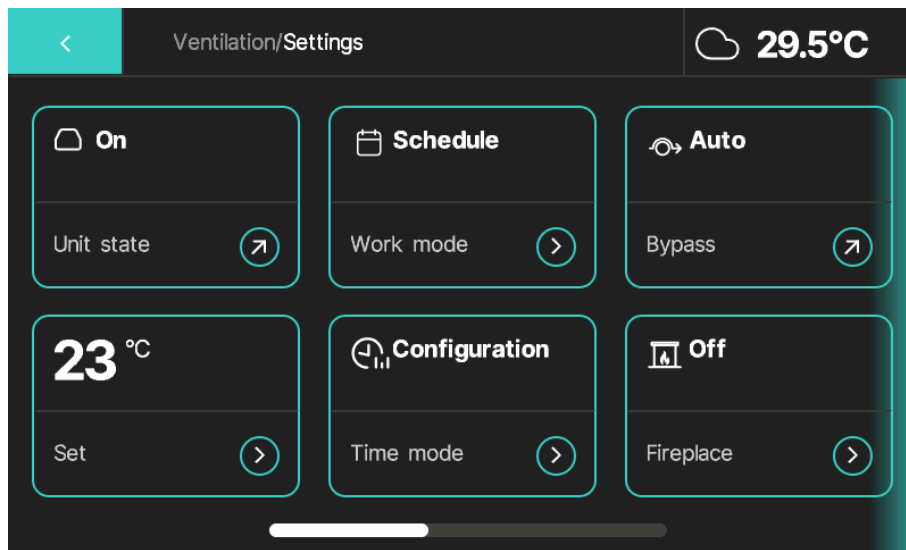
Allows to define the acceptable difference between the current and set CO2 levels.

Humidity level hysteresis

Allows to define the acceptable difference between the current and set humidity levels.

6. Ventilation settings screen

The recuperator settings screen allows to adapt the operation of the unit to the user necessity. It contains tiles for the settings of the individual operating modes. Set temperature settings tile and additional devices tiles.



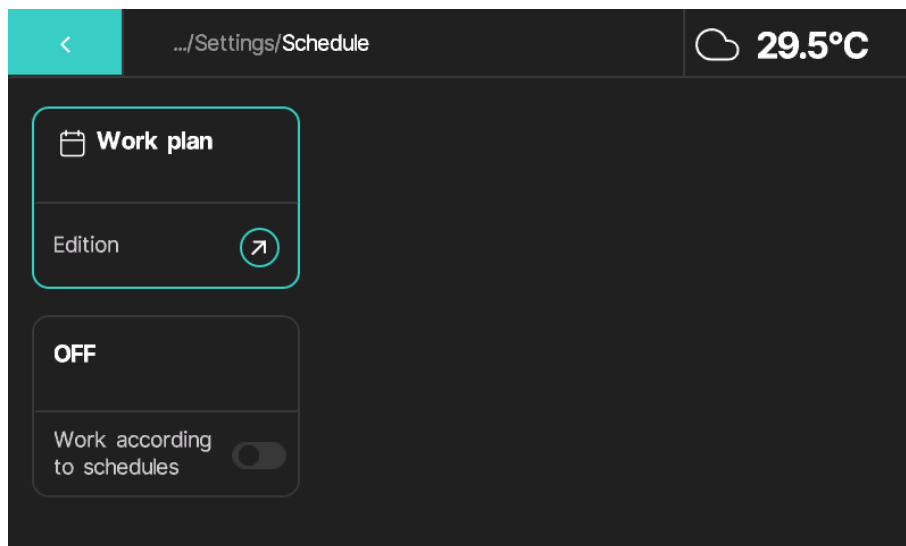
6.1. Items of the recuperator settings screen

Status of the control panel

The tile shows the current operating status of the unit and allows the unit to be switched on or off.

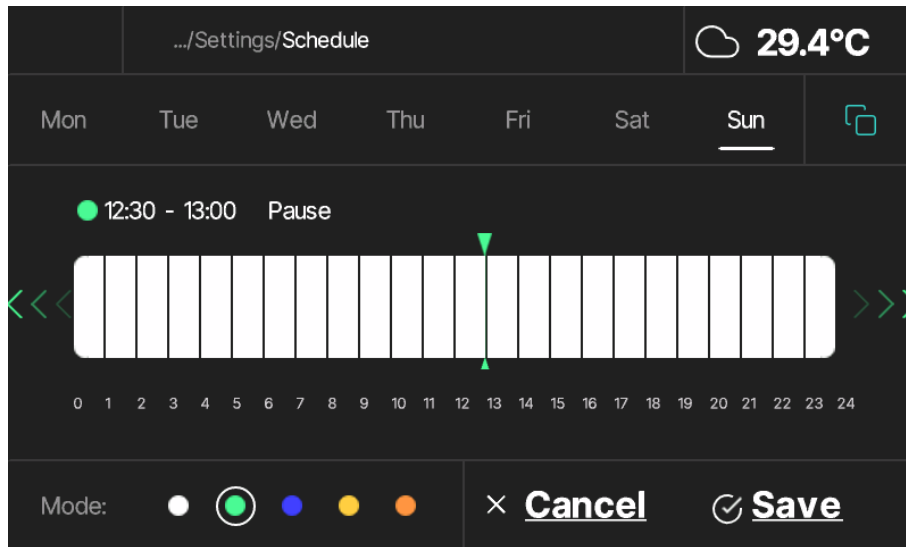
Schedule tile

Direct the user to the schedule settings window. The settings include two tiles: Edit operating plan - it directs the user to the operating plan editing window. Schedule operation - allows the user to enable the schedule operation mode.

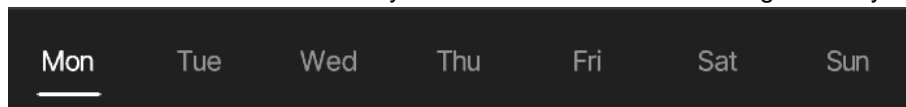


Edit operating plan

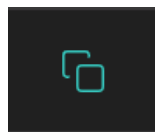
The main operating plan edition screen. The Edit operating plan window, allows the user to set different operating modes for each day of the week, such as selected running mode or pause.



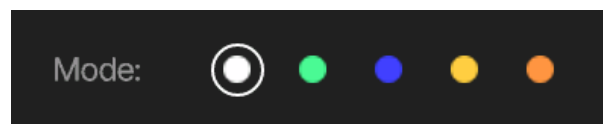
At the top of the screen the user can select the day for which the schedule is being currently set.



The upper right part of the screen contains a button that allows the schedule settings to be copied between the selected days of the week.

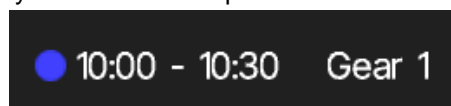


At the bottom of the screen, there is a selection of the mode.



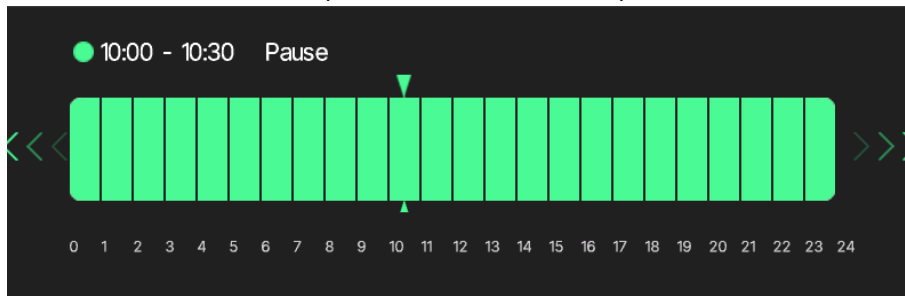
- **White** - Deleting the current interval
- **Green** - Pause setting
- **Blue** - Setting running mode 1
- **Yellow** - Setting running mode 2
- **Orange** - Setting running mode 3

The currently selected mode is displayed in the central part of the screen

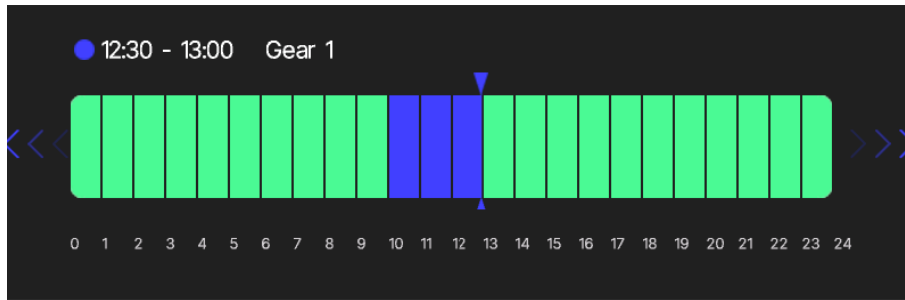


Schedule setting for the determinate day.

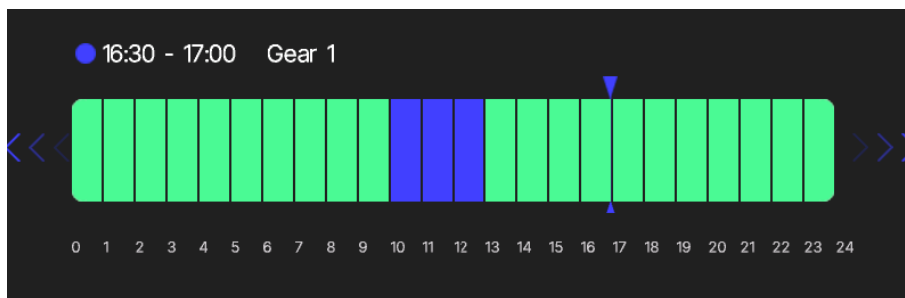
- Select the day of the week in the upper part of the screen
- Select the start time of the respective mode in the central part of the screen



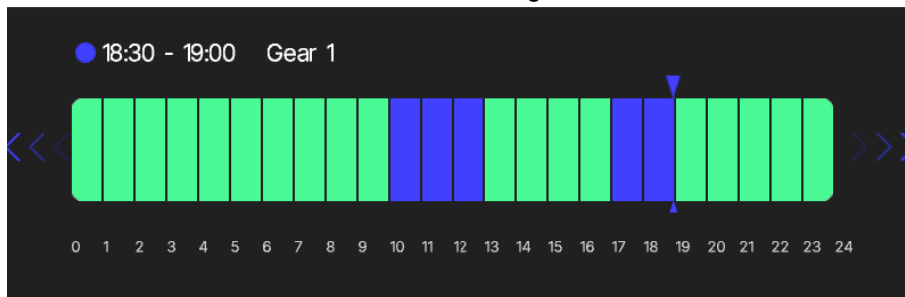
- Select the operating mode in the bottom part of the screen
- Using the arrows at the edge of the screen to move the indicator



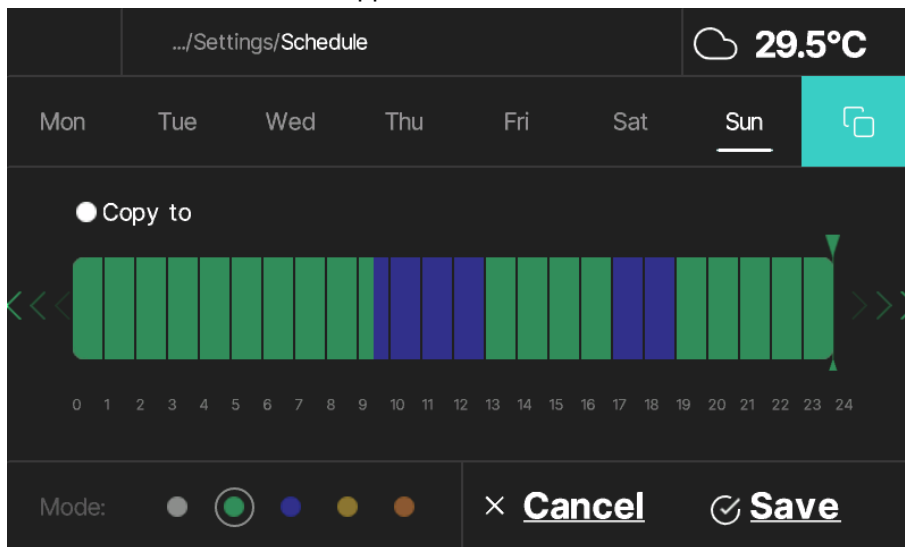
- It is possible to set more than one interval per day (maximum 5), to set the next interval move the indicator to the desired time.



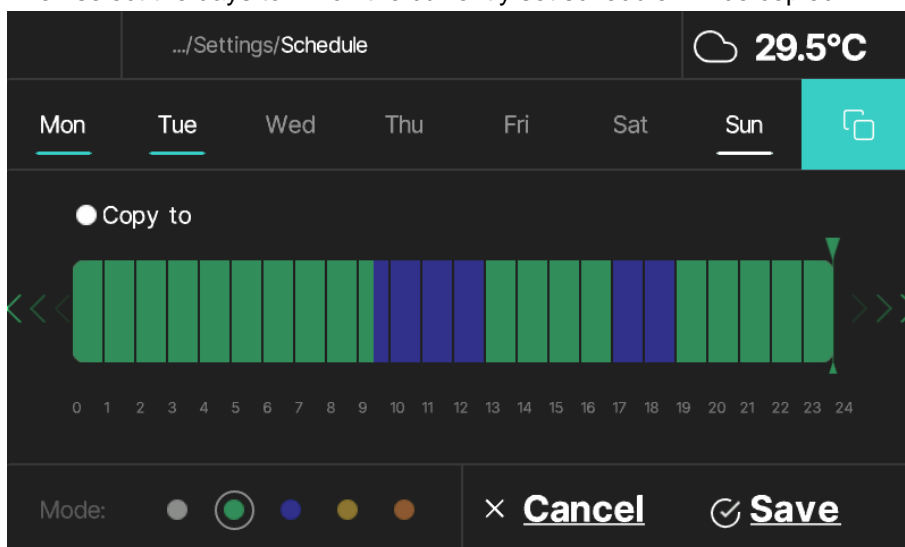
- Then use the arrows to move the indicator again



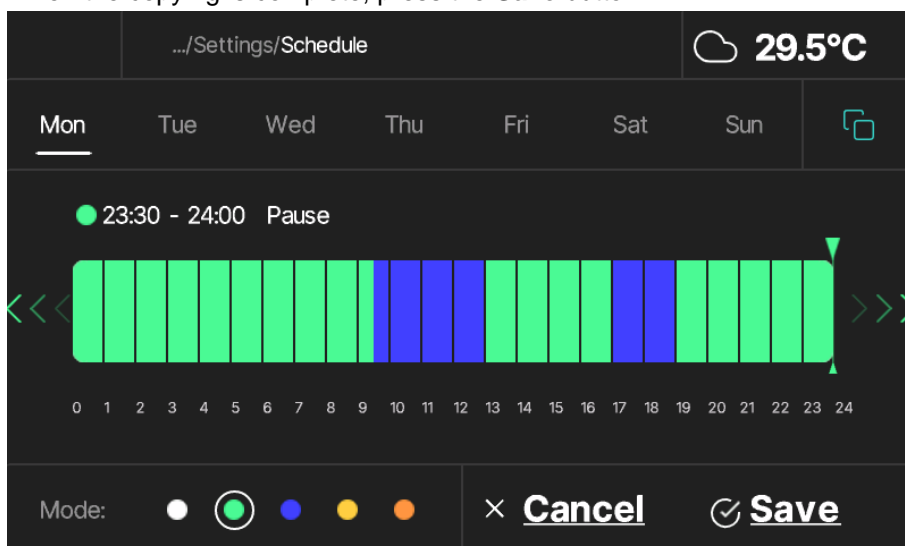
- To copy the settings of the day, click on the button in the top right corner. A message about copying schedules will appear in the centre of the screen



- Then select the days to which the currently set schedule will be copied.



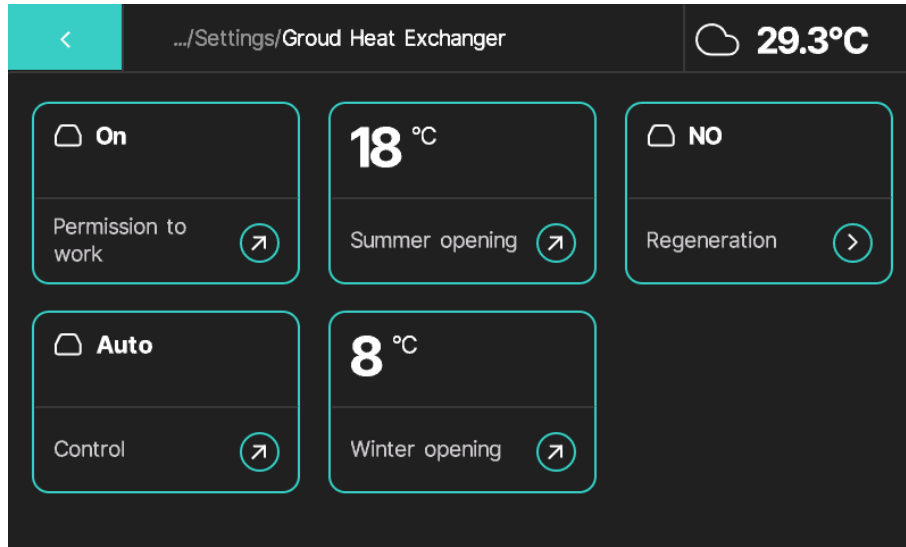
- When the copying is complete, press the **Save** button.



6.2. GWC (ground source heat exchanger) tile

The tile directs the user to the settings screen for the ground heat exchanger, which uses the ground temperature to preheat or pre-cool the air.

6.3. Items of the GWC settings screen



GWC Permissions tile

The tile allows you to enable or disable the permission for the operation of the GWC throttle. In the absence of the permission to operate, the GWC throttle will remain closed regardless of the settings.

Summer opening tile

The tile to determine the opening temperature of the GWC in the cooling mode.

Winter opening tile

The tile to determine the opening temperature of the GWC in the heating mode.

Control tile

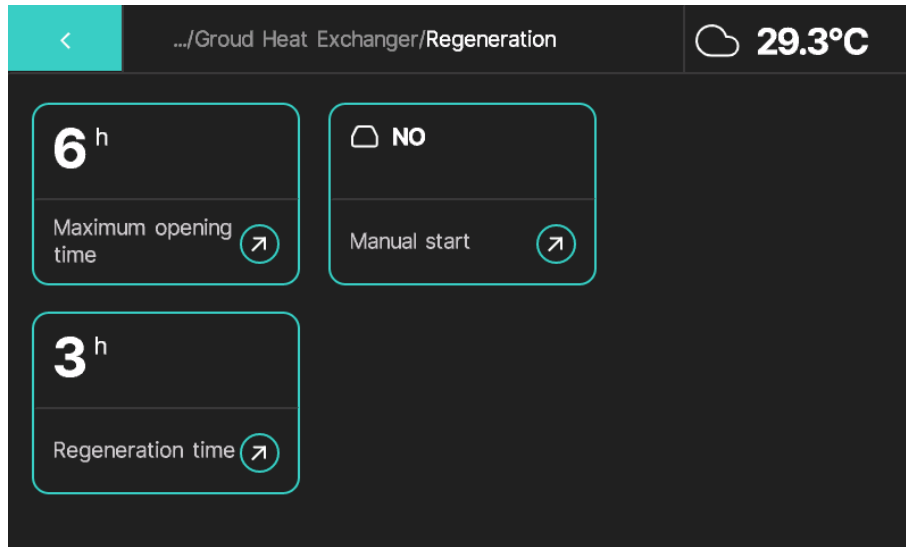
A tile that allows to select the GWC control among:

- **Close** - GWC throttle remains closed, regardless of conditions
- **Open** - the GWC throttle remains open, regardless of conditions
- **Auto** - the regulator decides whether to open or close the actuator based on the temperatures

Regeneration tile

The tile directs the user to the GWC regeneration settings

GWC regeneration screen



Maximum opening time

Tile to define the maximum GWC throttle opening time. After this time, the GWC regeneration procedure will be activated.

Manual activation

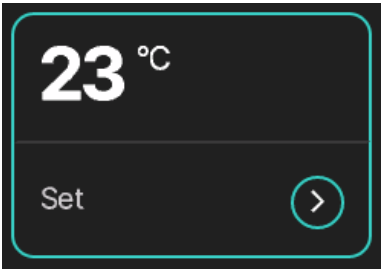
The tile that allows the regeneration to be activated manually without waiting for the temperature and time condition to be met.

Regeneration time

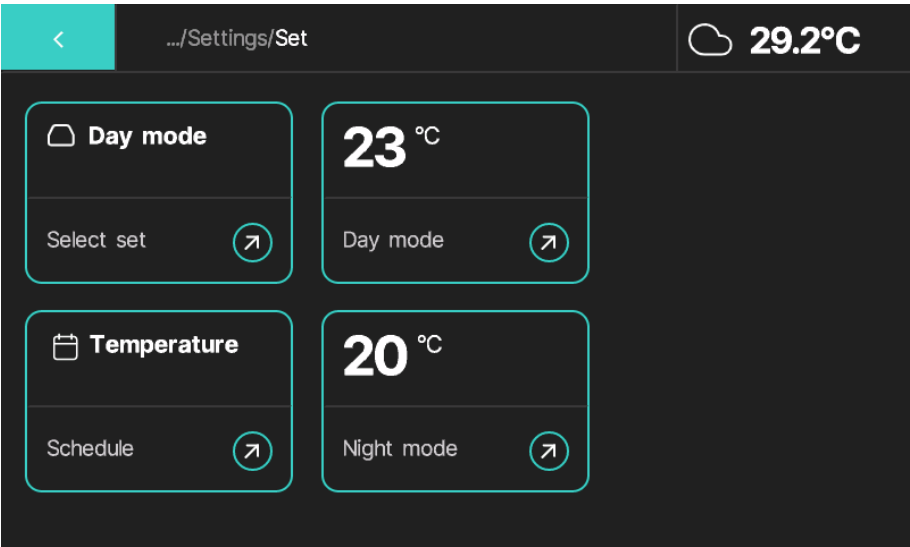
Tile to specify the GWC regeneration duration. During regeneration, the GWC throttle remains closed.

7. Set temperature tile

Enables selection of the set temperature. The set temperature is the comfort temperature set by the user that the unit aims to maintain.



Set temperature screen items



Set temperature selection tile

It allows the user to select the set temperature

- Schedule - the temperature selection depends on the schedule settings.
- Day - sets the day temperature
- Night - sets the night temperature
-

Day tile

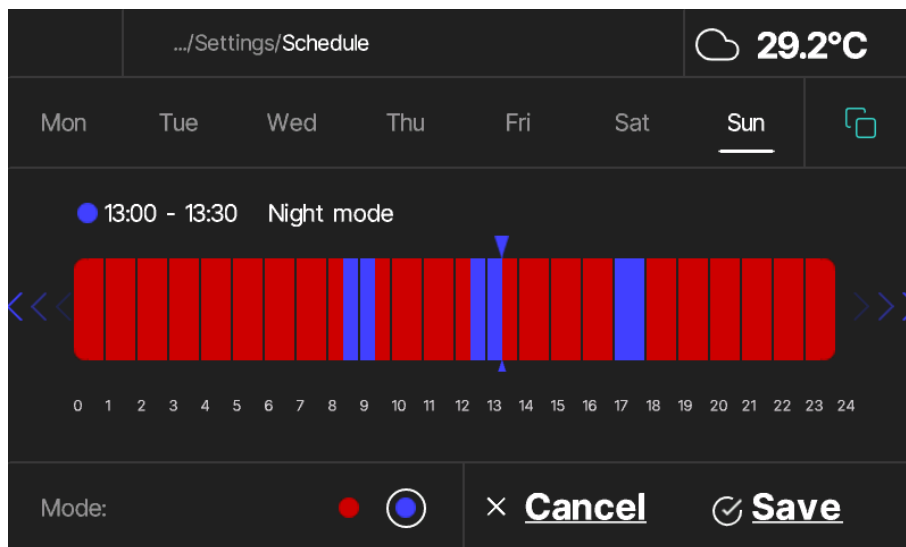
It allows the user to select the day temperature

Night tile

It allows the user to select the night temperature

Temperature schedule tile

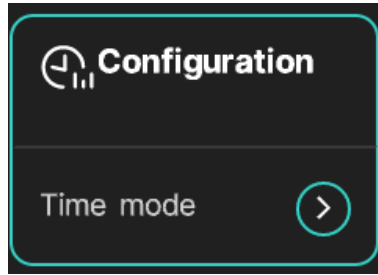
It directs the user to the operating schedule setting screen. The temperature schedule is set in the same way as the mode schedule.



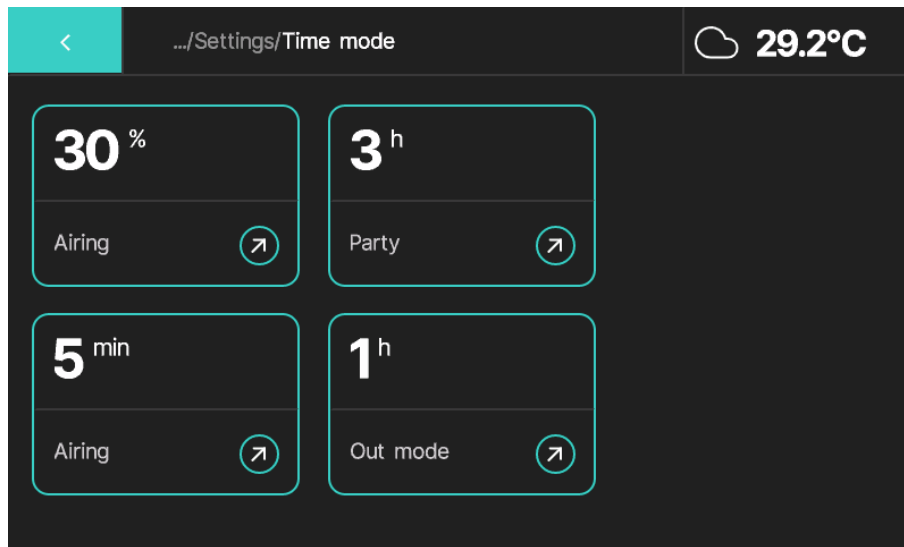
- **Red** – day temperature
- **Blue** – night temperature

8. Tile Time mode

The tile directs the user to the time mode settings edit screen



Items of the time mode settings edit screen



Ventilation tile

It allows the user to edit the ventilation duration and air supply fan control. The ventilation duration is set in minutes.

Party tile

Allows the user to edit the duration of party mode. The party mode duration is set in hours.

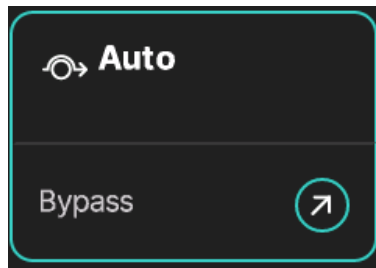
Exit tile

Allows the user to edit the duration of exit mode. The exit mode duration is set in hours.

9. Bypass title

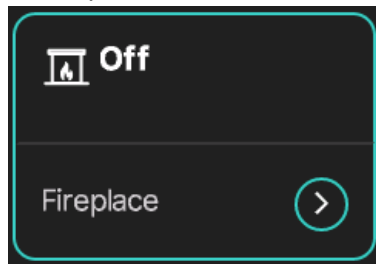
Allows to select the bypass throttle mode

- **Open** - the bypass will be open regardless of the conditions
- **Closed** - the bypass will be closed regardless of the conditions
- **Auto** - the bypass will be controlled once the temperature conditions are met.



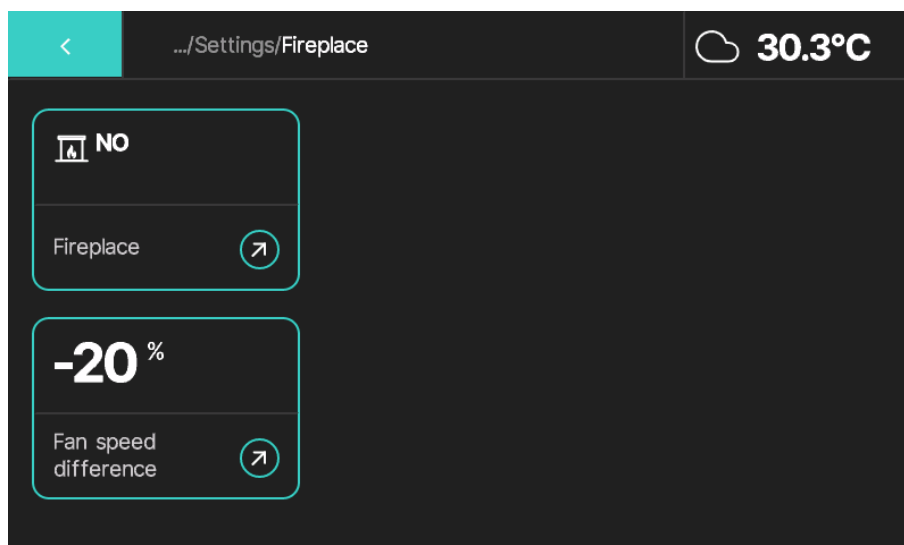
10. Fireplace tile

It directs the user to the edit screen for the Fireplace mode.



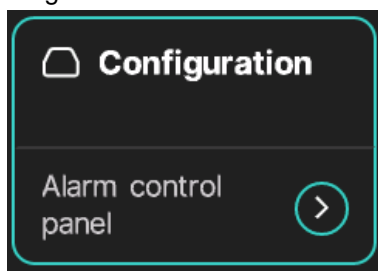
Fireplace mode settings screen

The edit screen allows you to enable the fireplace mode and set the fan speed differential. The exhaust fan operation will be modified by the set value.

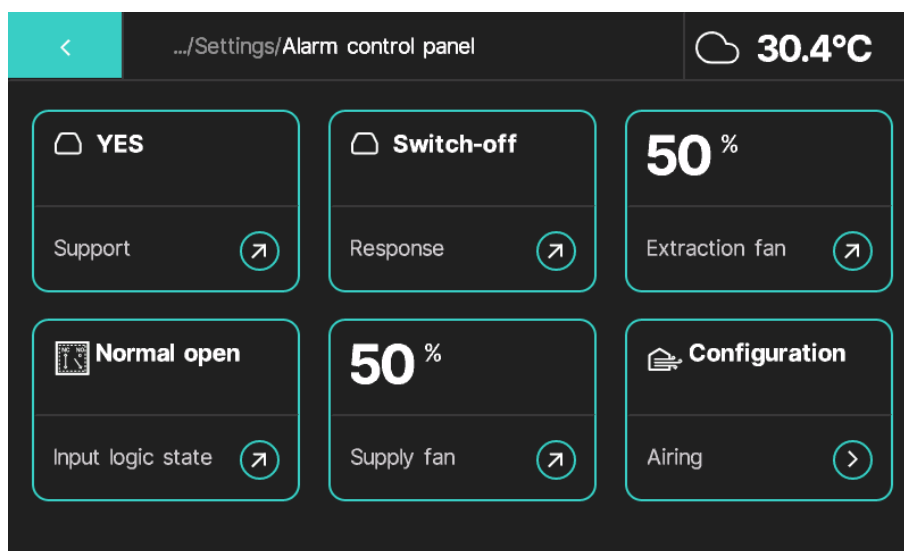


11. Emergency control panel tile

It directs the user to the control panel settings



Screen for editing control panel settings



Operation tile

It allows to activate the operation of the control panel. After receiving a signal from the input to which the emergency control panel is connected, the recuperator will change the fans control or switch them off completely, depending on the settings.

Response tile

Allows you to select the response of the recuperator to the signal from the control panel. Possible modes to select from are **Change fan speed** and **Disable fans**.

Exhaust fan tile

It allows to select the exhaust fan control in the response mode **Change speed**

Input logic state tile

It allows to select the default input logic state

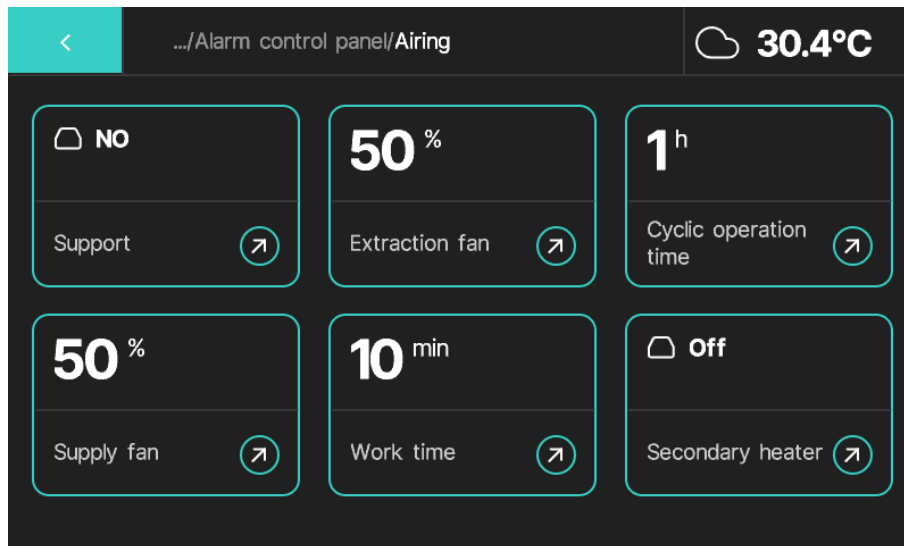
Air supply fan tile

It allows to select the air supply fan control in the response mode **Change speed**

Venting tile

The tile is active only in response mode **Off**. It direct the user to the settings edit screen for the additional **Venting** function. This function is available only in **Fans Off** mode .

Screen for editing Venting mode



Operation tile

It allows to activate Venting mode operation

Exhaust fan tile

It allows to select the exhaust fan control in Venting mode

Cycle operation time tile

It allows the user to select after what time after receiving the signal from the control panel the Venting mode is to be activated.

Air supply fan tile

It allows to select the air supply fan control in Venting mode

Duration tile

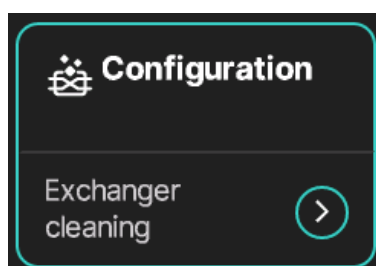
The screen allows you to select the duration of the Venting mode.

Secondary heater tile

It allows the activation of the secondary heater during the Venting mode.

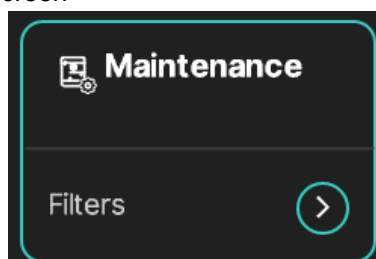
12. Exchanger cleaning tile

It allows to select the cleaning start time.



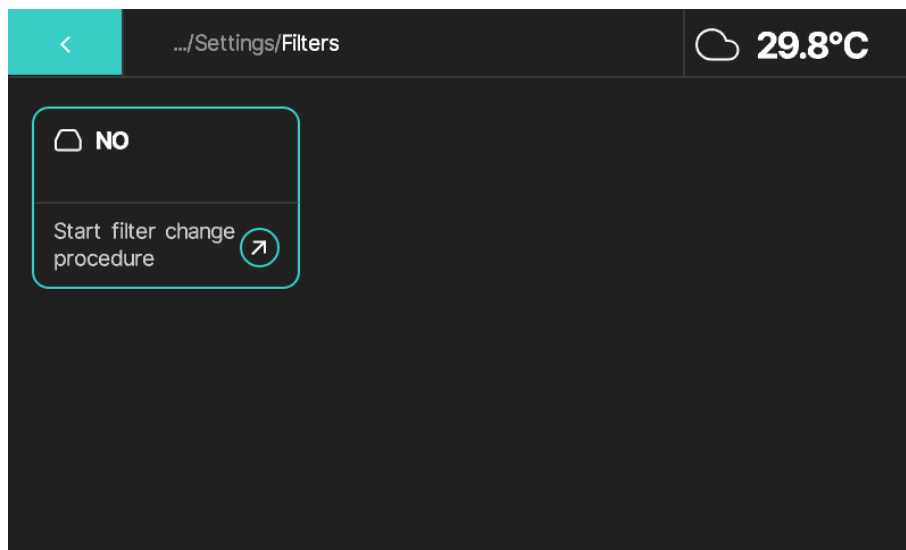
13. Filters tile

It directs the user to the Filter settings screen

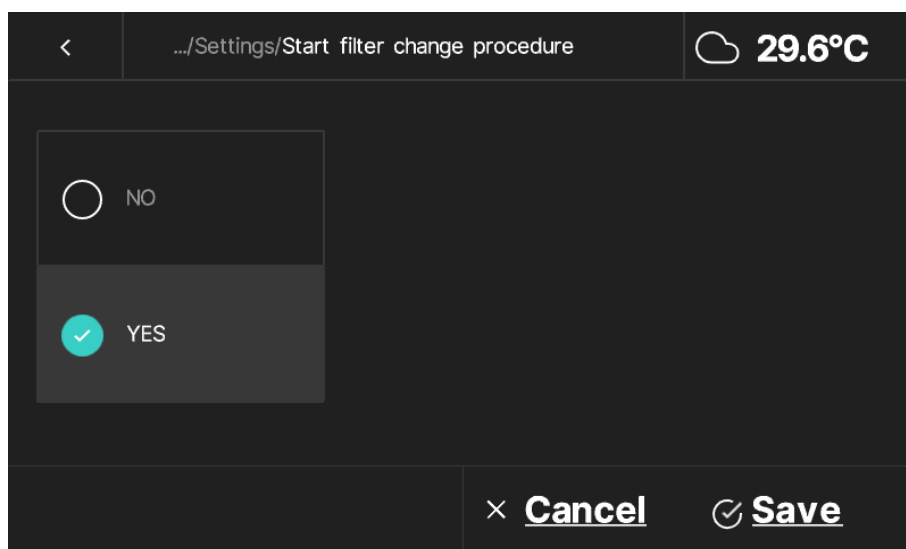


13.1. Filter replacement process using the panel

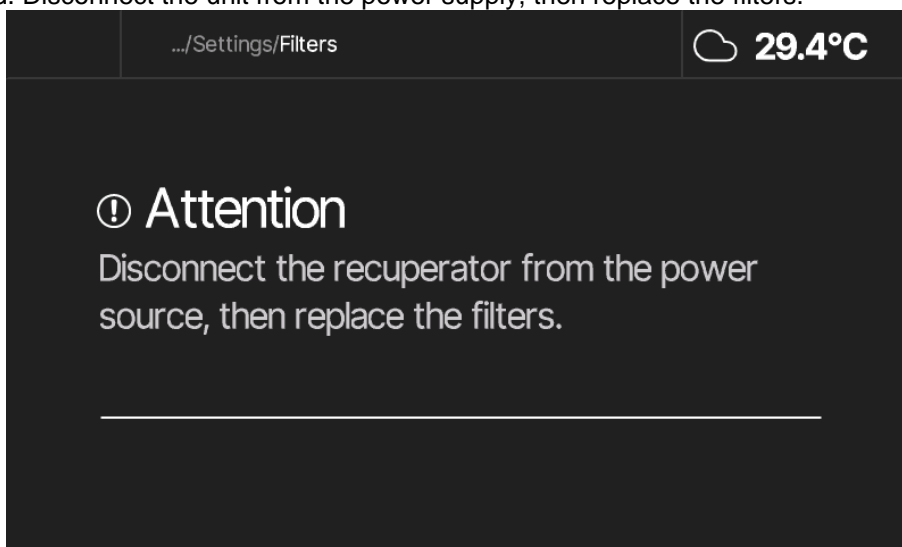
1. Press the Force replacement procedure tile.



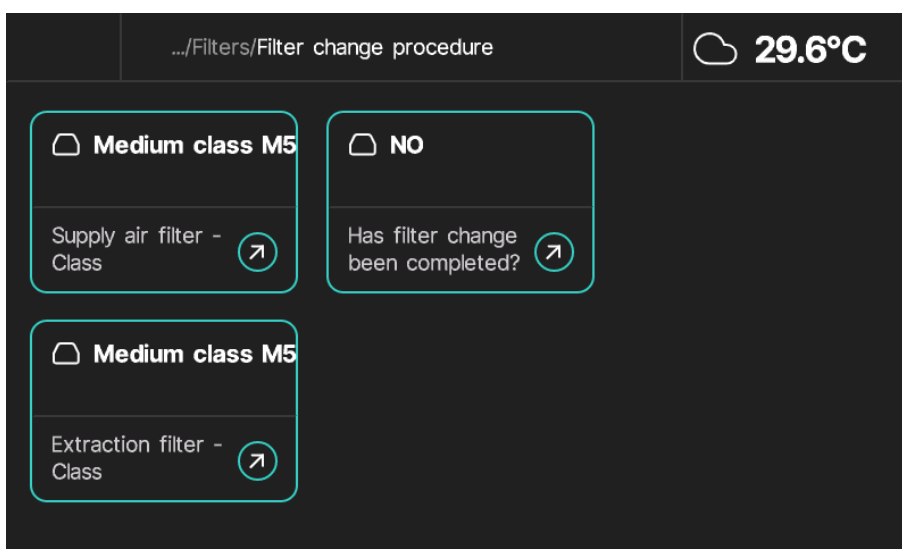
2. Select "Yes" in the newly opened window.



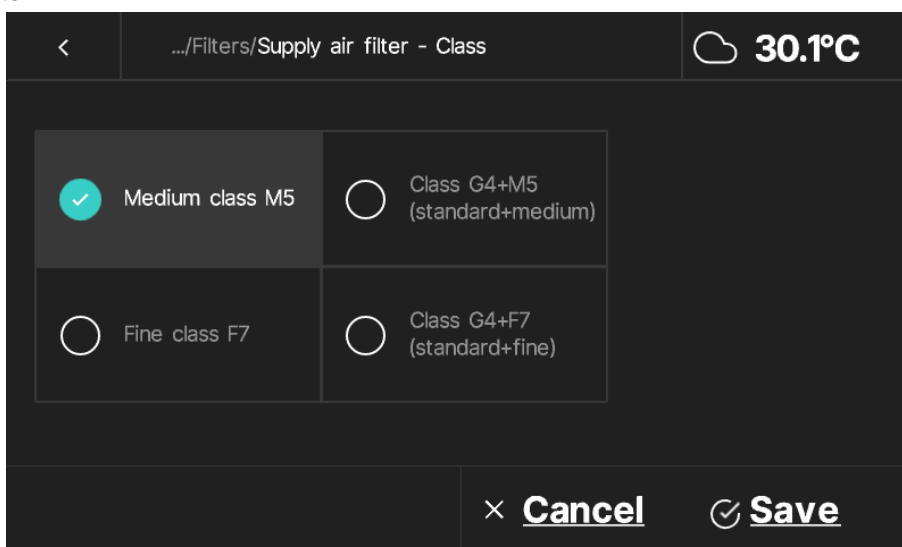
3. After forcing the filter replacement procedure, the panel will be stopped. An appropriate message will be displayed. Disconnect the unit from the power supply, then replace the filters.



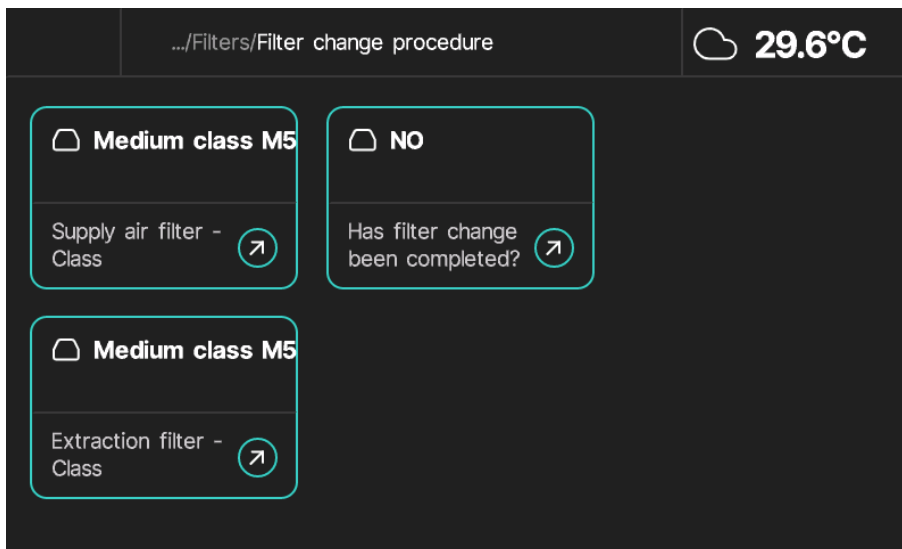
4. When the filter replacement procedure is completed, switch on the recuperator. After switching on, the panel will return to the window of replacement procedure of the filters in the recuperator.



5. Enter the Filter class tiles for air supply and exhaust filters, then select the class of filters in the recuperator.

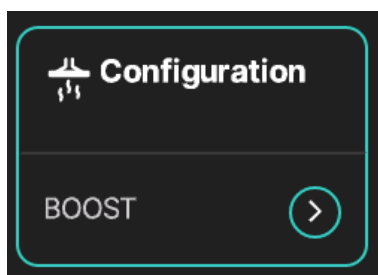


6. Click on the “Have the filters been change?” tile and confirm that the replacement has been completed.



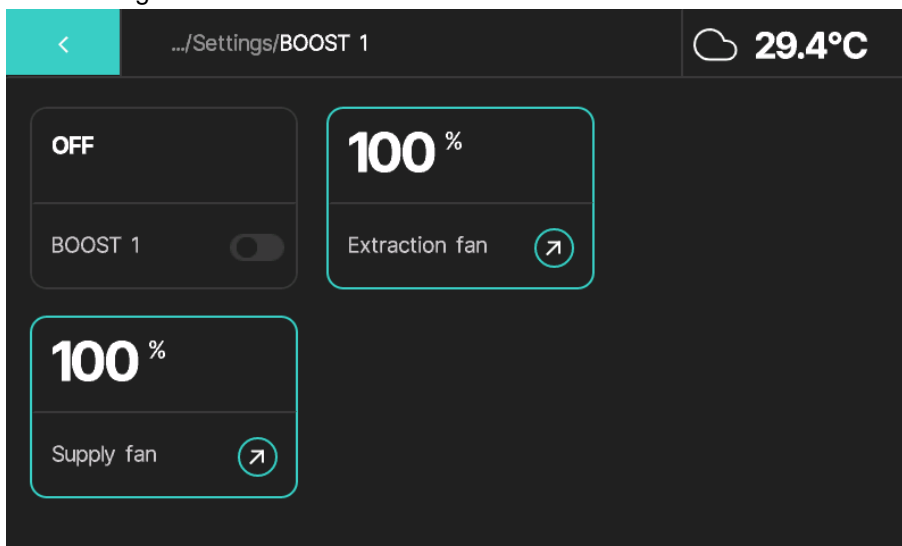
14. BOOST tile

It directs the user to the HOOD IN mode setting screen. The screen contains the settings for BOOST 1 and BOOST 2 mode.



BOOST 1 / BOOST 2 mode setting screen

Both contain the same setting tiles.

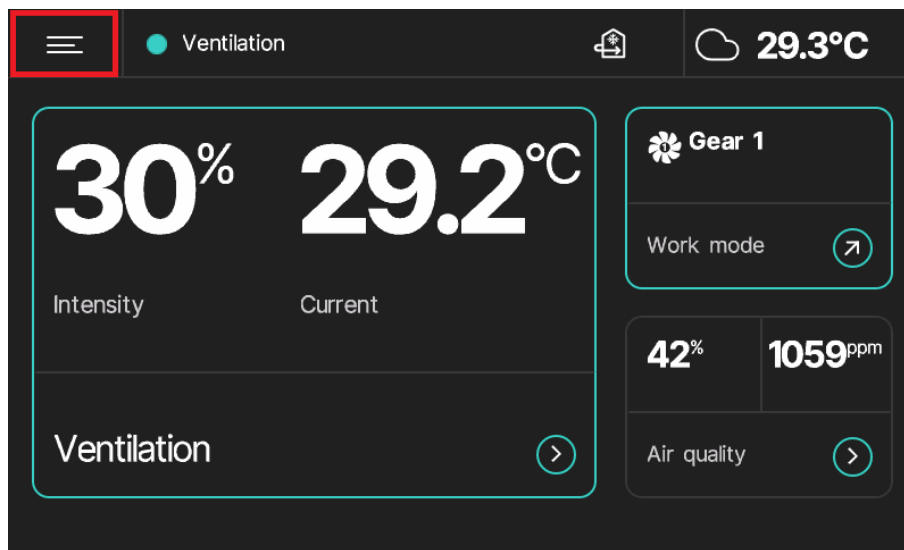


- BOOST 1 / BOOST 2 - Enables BOOST mode.
- Switch-off delay - Sets the delay time of the BOOST mode after activation by signal
- Air supply fan - It allows the user to set the air supply fan control during the active mode
- Exhaust fan - It allows the user to set the exhaust fan control during the active mode

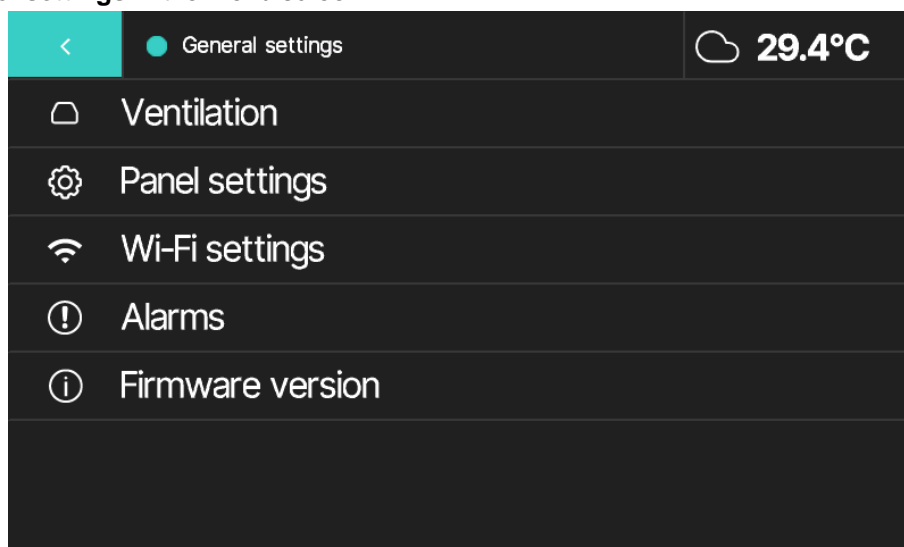
15. Panel settings screen

15.1. Navigating to the panel settings screen

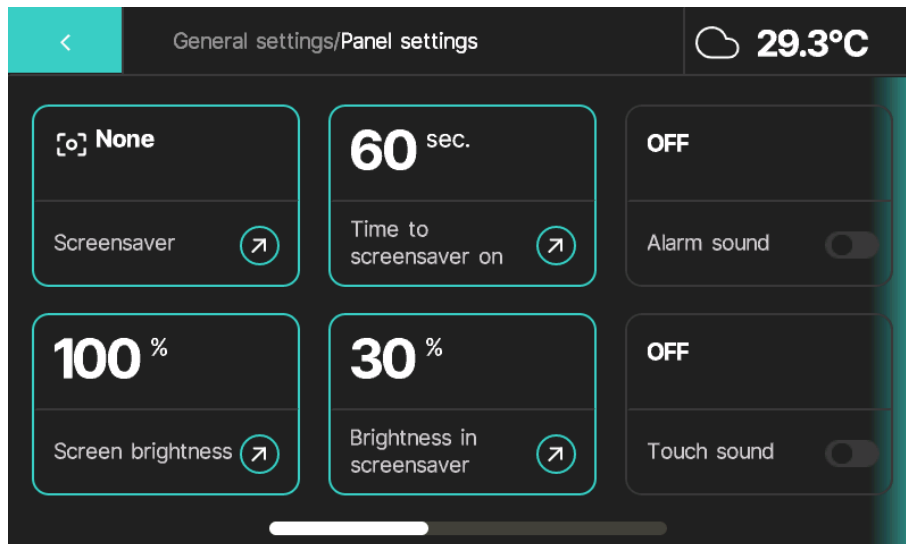
To navigate to the panel settings screen, press the menu button located in the upper left corner of the main screen



Then select **Panel settings** in the menu screen



15.2. Panel settings tiles

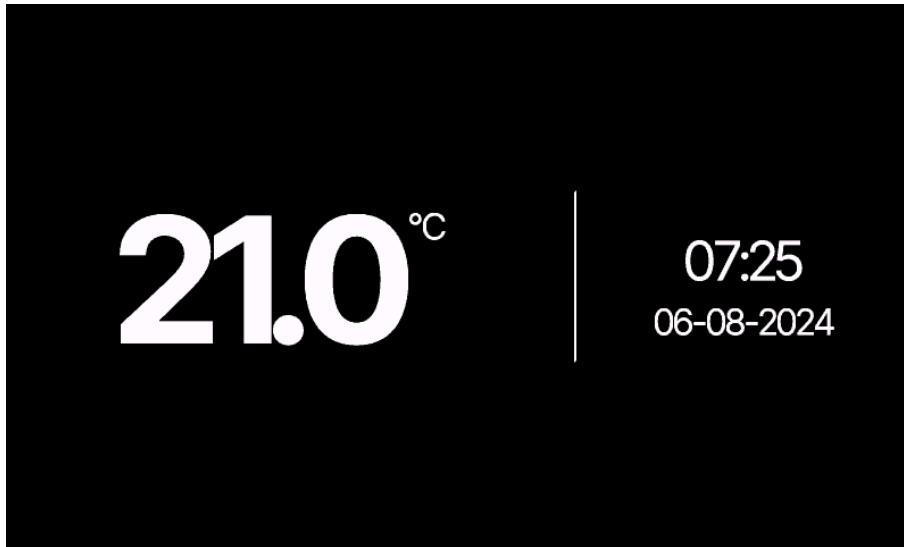


Screen saver tile

When pressed, it directs the user to the screen for selecting the screen saver mode.

- **None** - the panel returns to the home screen when the time to blank the screen has elapsed.
- **Clock and temp** - once the time to blank the screen has elapsed, the screen will display the current leading temperature along with the current time. The brightness of the screen can be adjusted using the **Screen saver Brightness tile**

Screen view with clock and temperature:



- Eco – once the time to blank the screen has elapsed, the screen will switch off, waking up when activity is detected on the panel.

Time to blank the screen tile

It allows the user to adjust the time until activation of the selected screen saver mode.

Screen saver brightness tile

It allows the user to adjust the brightness of the screen saver in the mode: Clock and Temperature

Alarm sound tile

It allows the user to activate the response to alarm activation. When the alarm is active, the panel will indicate this with a sound. Alarm signal is active during the display of the main screen and during the operation of the screen saver.

Key sound tile

It allows the activation of the sound response when the screen is touched.

Language tile

It allows the user to change the panel language

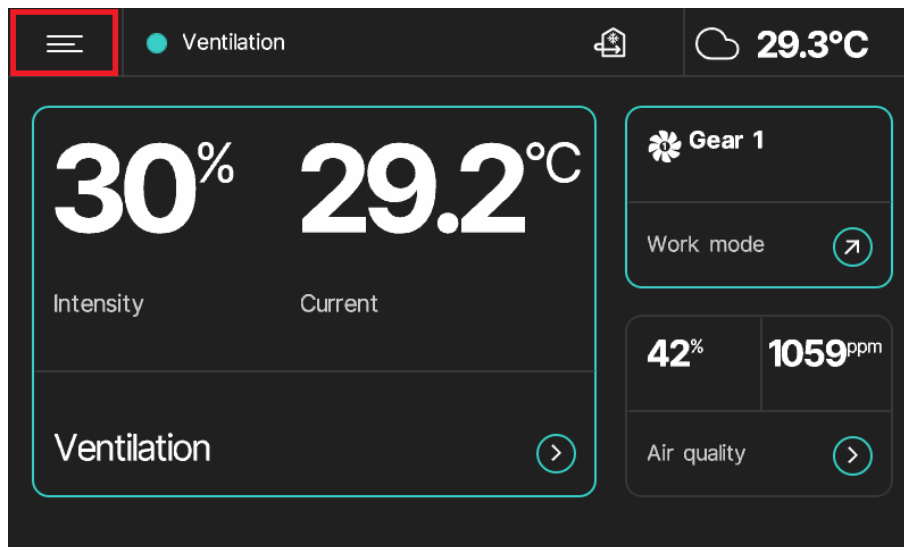
Clock tile

It allows to change the date and the time. Editing is only possible when the Internet module is off.

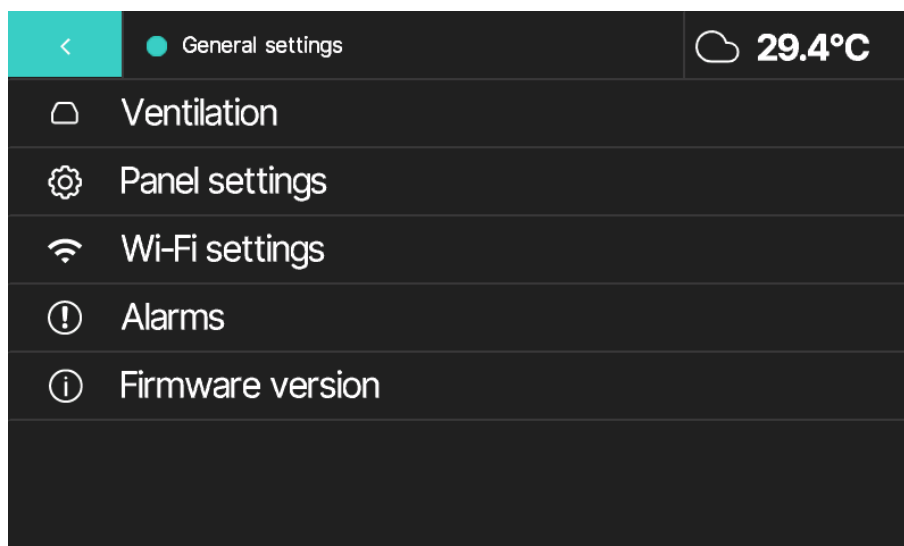
16. Wi-Fi settings screen

16.1. Navigating to the Wi-Fi settings screen

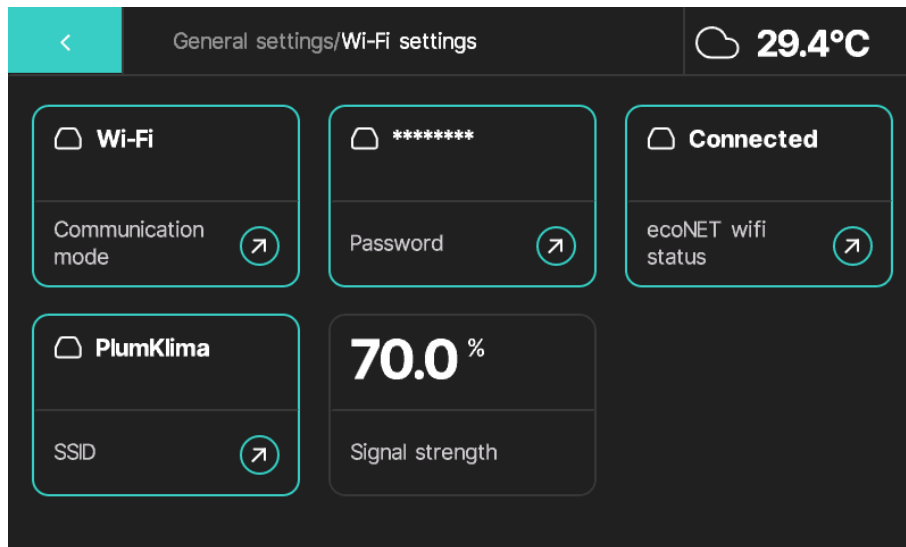
To navigate to the panel settings screen, press the menu button located in the upper left corner of the main screen



Then select **Wi-Fi settings** in the menu screen



16.2. Wi-Fi settings screen



Connection type tile

The tile allows the user to select the type of communication of the panel. The panel allows communication via Wi-Fi and Bluetooth.

SSID tile

The tile allows to enter the SSID of the Wi-Fi network.

Password tile

The tile allows to enter the password of the Wi-Fi network.

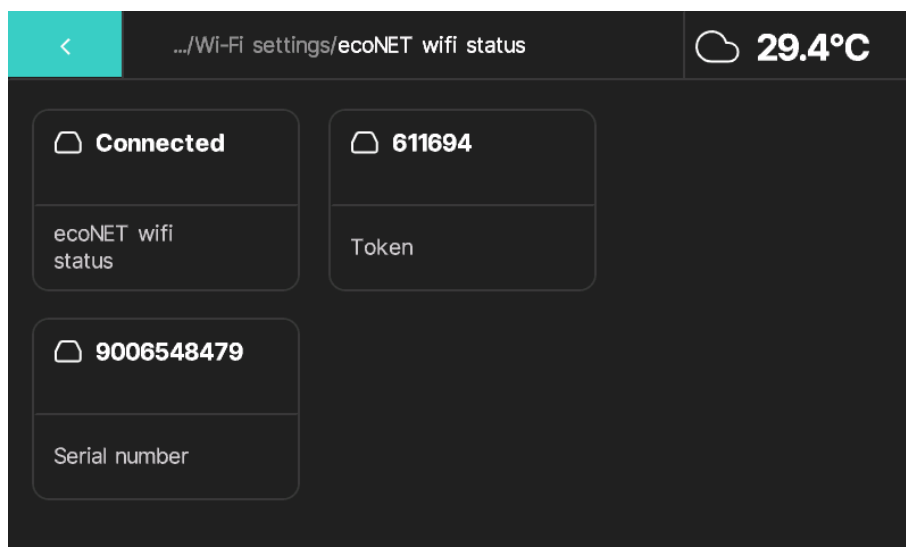
Signal strength tile

Information tile - indicates Wi-Fi signal strength

Status tile

The tile directs the user to the Wi-Fi module information screen

Status screen



Status tile

Indicates the status of the network connection

Token tile

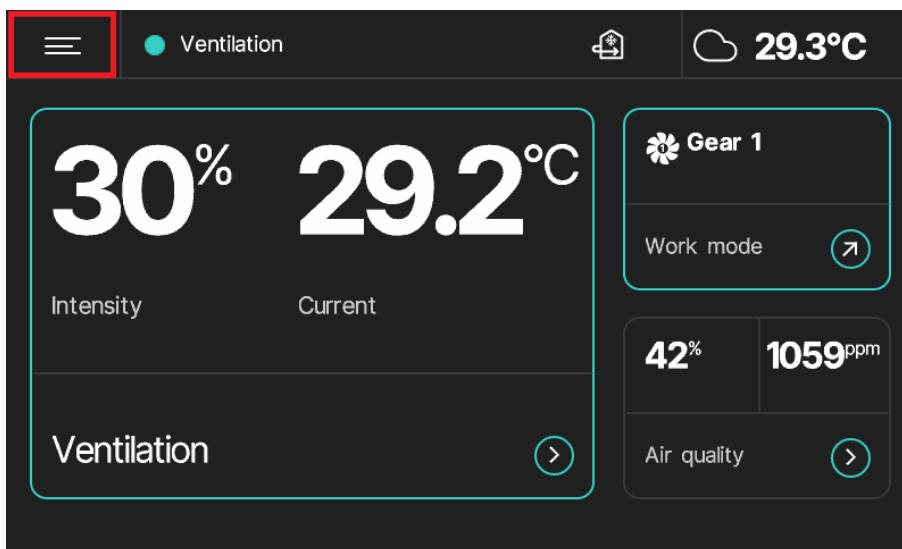
It displays the temporarily generated password required to add the installation to the **easy.oxygenvent.com** cloud service

Serial number tile

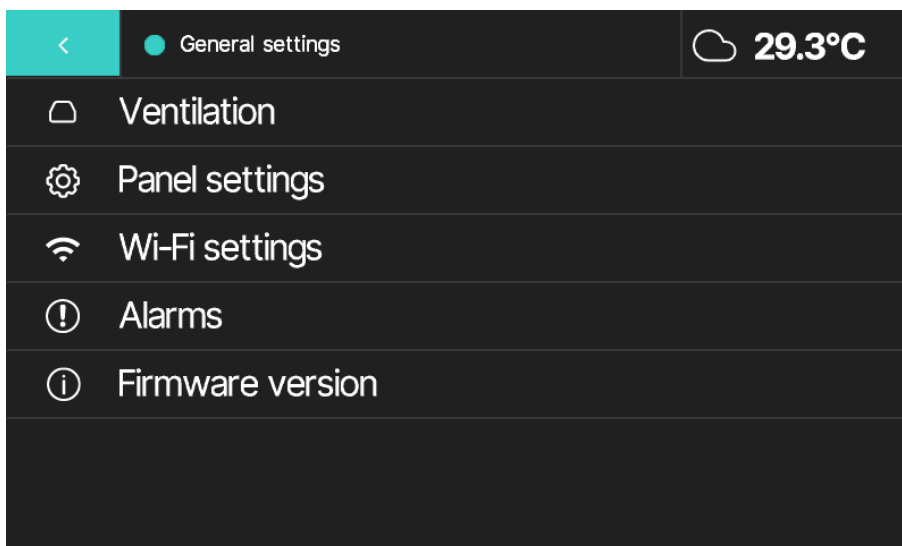
Displays the device serial number required to add the installation to the **easy.oxygenvent.com** cloud service

17. Alarms screen

Navigating to the Alarms screen



Then select **Alarms** in the menu screen



< General settings/Alarms		☁ 30.1°C	
e44: Extraction fan error	▶ 28.10.24 12:52:10	⏸ -	
No devices on line	▶ 28.10.24 13:48:19	⏸ 28.10.24 13:48:33	
Loss of communication with	▶ 28.10.24 11:45:03	⏸ 28.10.24 13:48:19	
Loss of communication with	▶ 28.10.24 13:48:33	⏸ 28.10.24 12:52:10	
e57: Humidity sensor error	▶ 28.10.24 10:44:32	⏸ 28.10.24 12:44:54	
e10: Extraction sensor error	▶ 28.10.24 10:44:32	⏸ 28.10.24 12:44:54	
No devices on line	▶ 28.10.24 12:44:54	⏸ 28.10.24 11:45:03	
e42: Filter change procedure	▶ 28.10.24 09:49:38	⏸ 28.10.24 10:50:20	
Loss of communication with	▶ 28.10.24 10:13:21	⏸ 28.10.24 10:15:05	

The alarm consists of 4 parts.

- **E6** – Error code
- **Exhaust sensor damaged** - Error title
- **28.10.24 12:52:10** – Alarm start date and time
- **28.10.24 12:53:28** – Alarm end date and time If the alarm is still active, the sign “-” is displayed here.


e44: Extraction fan error	▶ 28.10.24 12:52:10	⏸ 28.10.24 12:53:28
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Detailed alarms view


Clicking on an alarm directs the user to the detailed alarms view, which shows an extended description of the alarm. With the arrows in the lower corners of the screen it is possible to switch views between individual alarms.

<

General settings/Alarms

 29.9°C

 28.10.24 12:52:10

 28.10.24 12:53:28

e44: Extraction fan error

No extraction fan work confirmation

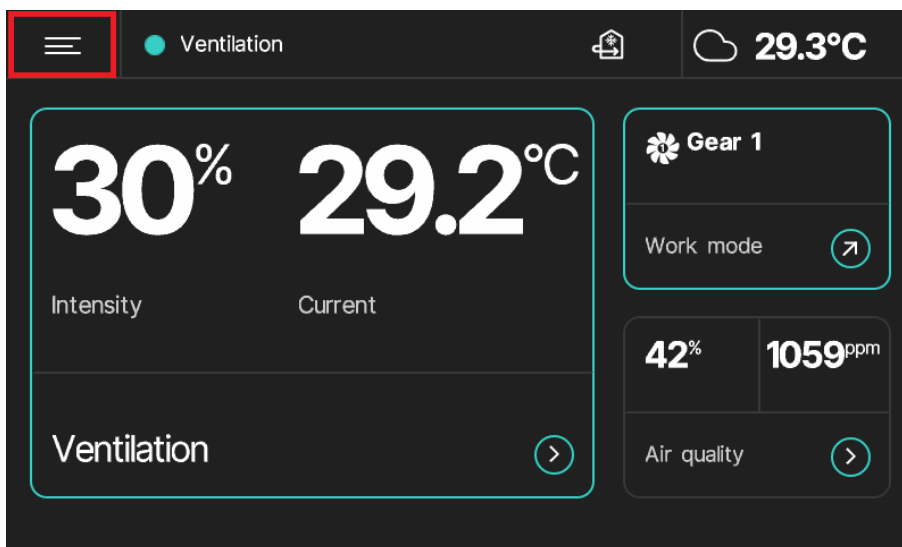
<

>

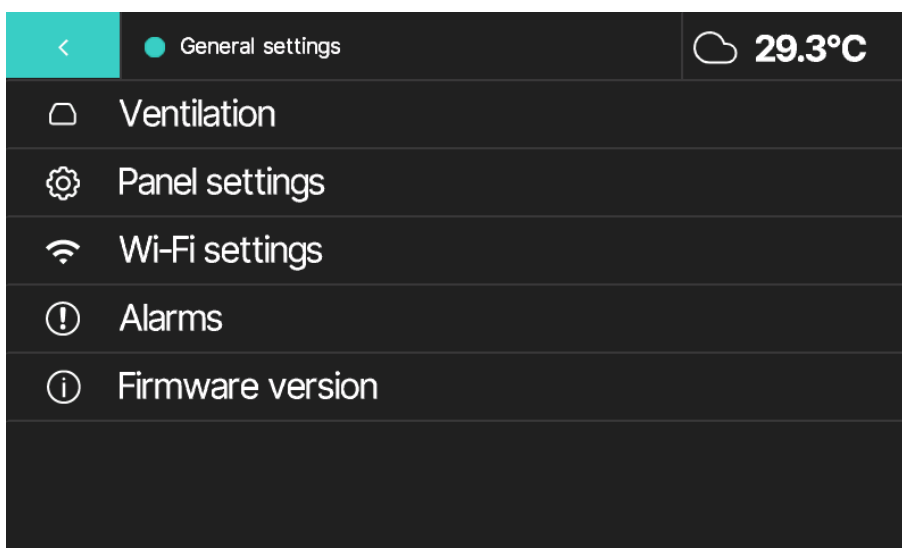
18. Software version screen

Navigating to the Software version screen

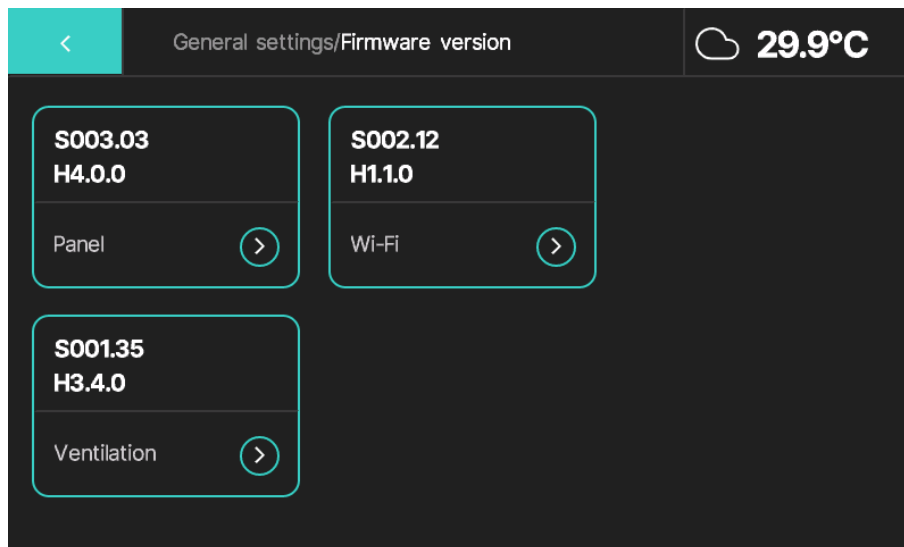
To navigate to the Software version screen, press the menu button located in the upper left corner of the main screen



Then select **Software version** in the menu screen



Software version screen tiles



Panel tile

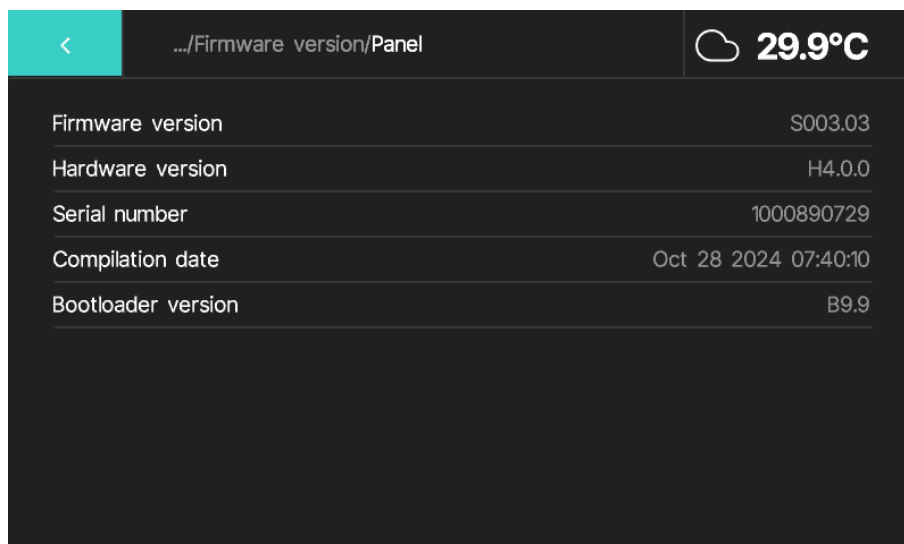
The tile displays information about the software version and hardware version of the panel. When pressed, it directs the user to detailed information.

Ventilation tile

The tile displays information on the software version and hardware version of the ventilation controller. When pressed, it directs the user to detailed information.

Component details

The additional information window contains extended data about a component. The panel and ventilation controller screen informs about: software version, hardware version, serial number, software compilation date and bootloader version. The Wi-Fi additional information screen additionally contains data on the device's MAC address.



19. Quality assurance

We strive to ensure that our documentation is accurate and clear. If you notice any errors or inaccuracies, we kindly ask you to notify us by e-mail help@oxygen.it.

Your feedback is extremely valuable because it helps us to constantly improve our work and provide higher quality products and services.

Thanks for your help!