



# QUICK USER'S GUIDE

● recuperators

## RESIDENTIAL SERIES



Use the QR code or visit the website: [prana.help/b22](https://prana.help/b22) to view information about the device, user manual and other useful information.

- The quick user's guide contains only the most necessary information, thus we contribute to the protection of the environment.
- Some content may differ from your device depending on the model, region or software version, and may change without prior notice.
- In order to use the device safely and properly, first read all the information concerning safety measures carefully.



## CONTENT

---

WARNINGS AND SAFETY MEASURES .....	4
DEVICE AND SOFTWARE UPDATE .....	6
SYSTEM CONFIGURATION .....	7
DESCRIPTION OF THE REMOTE CONTROL .....	8
DESCRIPTION OF THE SYSTEM DISPLAY.....	9
MOBILE APPLICATION.....	11
SETTINGS .....	13
ACCOUNT REGISTRATION.....	15
LOG INTO ACCOUNT.....	16
CONNECTION TO THE STORAGE.....	16
DEVICE REMOVAL .....	19
DELETING AN ACCOUNT.....	20
DESCRIPTION OF MOBILE APP TABS .....	21
DEVICES .....	22
ORGANIZING AND GROUPING SYSTEMS .....	23
CONTROL .....	25
PASSIVE OPERATION MODE .....	29
DEFROST FUNCTION .....	29
MANUAL CONTROL MODE .....	29
SEPARATE CONTROL MODE .....	30
NIGHT MODE.....	30
BOOST MODE (VENTILATION)* .....	30
ADJUSTMENT OF THE INDICATION BRIGHTNESS.....	30
DATE AND TIME FUNCTION .....	31
SLEEP TIMER FUNCTION.....	31
AUTO AND AUTO+ MODES .....	32
MINI-HEATING FUNCTION.....	33
WINTER MODE FUNCTION.....	34
ПОКАЗНИКИ .....	35
FILTER STATE DETERMINATION FUNCTION.....	37
SCRIPT .....	38
SCRIPT FUNCTIONS .....	39
STATISTICS AND GRAPHS OF INDICATORS.....	41
REMOTE CONTROL FAILURE.....	42
BATTERIES REPLACEMENT OF THE RC .....	44
CLEANING THE REMOTE CONTROL CONTACTS .....	45
SYSTEM FAILURE.....	46
SYSTEM MAINTENANCE .....	48

## WARNINGS AND SAFETY MEASURES

---

- This device may be used by children from the age of 8 years, as well as by physically or sensory disabled or mentally challenged persons or people with lack of experience and knowledge, provided that they are supervised or instructed about the safe operation of the device and understand the dangers involved. Do not allow children to play with the device. Maintenance should not be performed by children.

- During the operation of the device, the fan rotates inside it. Avoid getting foreign objects inside the device during operation. This may result in injury.

- A user without proper qualifications must not install, move, disassemble, modify or repair the recuperator themselves.

- Do not block the supply and exhaust channels, as this will reduce the quality indicators of the recuperator and may lead to system failure.

- Do not place heating equipment in the way of the air intake by appliance. Products of incomplete combustion can lead to accident.

- If the outdoor air temperature is +20°C and above, do not switch on the functions of «Mini heating», «Winter mode», «Defrost».

- Do not use the device at a temperature of +50 °C and above, near open flames, in places exposed to smoke or where it may come into contact with organic solvents. This may cause a fire.

- Make sure that the outdoor air intake is located so that smoke or other harmful gases do not enter it. If the intake air is polluted, the quantitative and qualitative indicator of oxygen in the room may decrease.

- Before use it is necessary to make sure that the mechanical and electric installation norms applied in the country where the installation is performed are observed.

- In the event of damage to the recuperator, immediately switch off the system with the circuit breaker or unplug it. Continued use of the

recuperator may result in smoke, fire, electric shock or injury. For repairs, contact the service center of the manufacturer or dealer in your area.

- We recommend that you use original PRANA filters for the recuperator to work properly and to prevent damage to the ventilation system.

- Before switching on it is necessary to open an air intake, accordingly, after use to close it (if there is no need to use a passive mode of operation).

When using the system with the air intake closed, it can damage the recuperator.

- In order to avoid icing and ensure the correct operation of the system at ambient temperatures below + 4 °C, the use of functions «Winter mode» and «Miniheating» is mandatory.

- In case of plugging in with the power plug, do not pull on the cord while trying to unplug it. The power plug must be firmly plugged into the outlet. Otherwise, it may result in electric shock.

- Avoid hitting and damage to the system (recuperator).

- Do not twist, damage, or modify the power supply cord. Do not expose it to heat or place heavy objects on it. These actions may result in fire or electric shock.

- If the power cord is damaged, in order to avoid danger it must be replaced in a service center, by a manufacturer or a qualified person.

- Sensors installed in PRANA ventilation systems are not a metrologically accurate means of measurement. The sensors are designed to monitor changes in air quality and temperature conditions for proper control of the system in automatic modes.

- The appliance must be de-energized before carrying out any operations of maintenance service (unplug the appliance or turn off the main power switch and wait for the fans to come to a complete stop).

- To prevent back draft in rooms where fireplaces, gasfired water heaters and other equipment that creates or uses different mixtures of gases operate, the use of «Separate control» mode is not allowed.

Some content may differ from your device depending on the model, region or software version, and may change without prior notice.

The PRANA recuperator is a device that is controlled from a smartphone, so some functions, performance and efficiency may change.

Some points in this guide may not be relevant if you update the software.

You can always read the updated instructions at the link:

([prana.help/b22](https://prana.help/b22))

You can also ask for help from the seller at the contacts listed in the warranty card (warranty card is in the technical passport of the product).

PRANA is not responsible if the client has not been able to use the «PRANA ONLINE 2.0» services on their devices and/or uses them incorrectly.

This is due to the large number of manufacturers of multimedia devices for which the adaptation of services may be performed after some time.

# SYSTEM CONFIGURATION

The availability of certain functions and capabilities depends on the configuration of your recuperator.

PARAMETER	STANDARD	ERP	ERP PRO
Determining the filter condition	-	+	+
Atmospheric pressure sensor	-	+	+
Temperature sensor 1*	-	+	+
Temperature sensor 2*	-	+	+
Temperature sensor 3*	+	-	+
TVOC air quality sensor	-	-	+
Sensor (equivalent) CO2eq	-	-	+
Relative humidity sensor	-	+	+
AUTO and AUTO + operation modes	-	+	+
Efficiency indicator	-	-	+
Bluetooth support	+	+	+
Wi-Fi support	+	+	+
Condensate discharge preheating	+	+	+

Temperature sensor 1 - supply air temperature after recovery, °C.  
Temperature sensor 2 - exhaust air temperature before recovery, °C.  
Temperature sensor 3 - supply air temperature before recovery, °C.

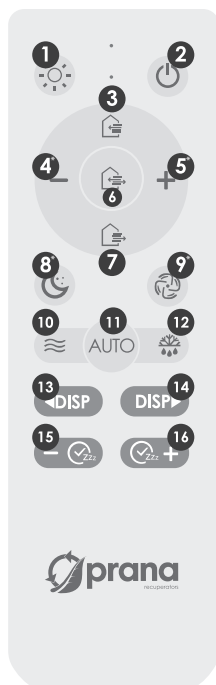
\* - The availability of the function depends on the system configuration, details are described in this manual.

## DESCRIPTION OF THE REMOTE CONTROL

---

The appearance of the remote control is shown graphically below.

Assignment of remote control buttons.



- 1 - Adjust the display brightness
- 2 - Turn off
- 3 - Supply air flow control
- 4\* - Reducing the speed
- 5\* - Increasing the speed
- 6 - Simultaneous flow control
- 7 - Exhaust air flow control
- 8\* - Night mode
- 9\* - «Boost» mode (Ventilation)
- 10 - On/Off «Mini-heating»
- 11 - Control of «AUTO» and «AUTO+» modes
- 12 - «Winter mode» function
- 13 - Scroll the additional menu on the left
- 14 - Scroll the additional menu on the right
- 15 - OFF/ reduce the time «Sleep Timer»
- 16 - ON/ increase in time «Sleep Timer»

\* - The recuperator is switched on/off by any button where the air flow rate is regulated.

The operation of the buttons may differ and depends on the system configuration; the details are described in this manual for each function or mode.





## DESCRIPTION OF THE SYSTEM DISPLAY

---

The appearance of the system display is shown graphically below.

The indication on the display may differ depending on the system configuration; details are described in this manual.



Information is displayed on the recuperator display (additional menu) using the buttons (scroll on the left, scroll on the right)  .

The menu is cyclic and allows displaying information on the recuperator screen, such as values from certain recuperator sensors, date and time.

You can scroll through the additional menu using the remote control or mobile application.

\*The operation of the buttons may differ and depends on the system configuration; the details are described in this manual for each function or mode.

## Values from the recuperator display panel:



- Exhaust air temperature, °C



- Supply air temperature, °C



- Level of carbon dioxide equivalent, CO<sup>2</sup>eq



- Air quality indicator, TVOC



- Relative humidity, Rh%



- Efficiency indicator



- Atmospheric pressure, mm Hg



- Information panel



- «Mini-heating» function indicator



- «Winter mode» indicator



- «AUTO» and «AUTO+» function indicator



- Sleep timer indicator



- Error indicator

Switch on the PRANA ventilation system.

Download the PRANA Online 2.0 app using Google Play (Android) or the App Store (iOS).

Or use QR codes below:



Launch the mobile app.

The Bluetooth and GPS (geolocation) functions in your device can be activated automatically.

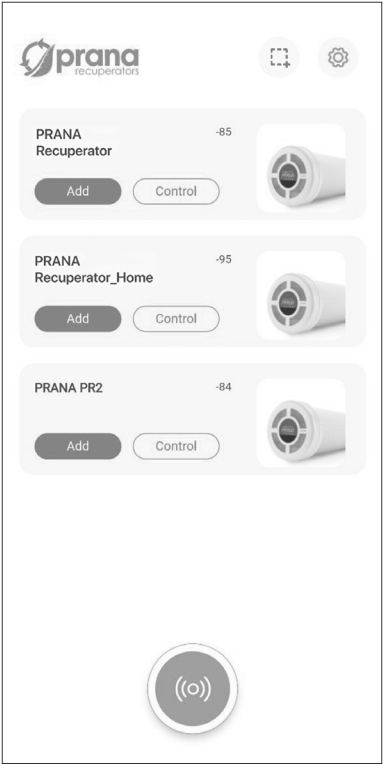
If this does not happen, turn them on yourself and restart the application.


Without this permission, our application cannot enable search.

In the bottom list after search, all PRANA ventilation systems will be placed under the following conditions:

- They are turned on
- They have a built-in Bluetooth module
- They are within range of its network

Select your device from the list, its default name is PRANA Recuperator, and password is 0000.





Select the Bluetooth connection method (for the initial connection), and click the «Scan» button  .

To manage the device, click Manage, and to add it to the cloud, click Add.

Below is a graphical representation of the tab contents.

Account







You are not logged in to the system.


Log in

Don't have an account? Sign up

 Continue with Google

By logging in you agree with our Privacy and Policy

 Account

 Sign up

First name


Your email will also be your username


Last name

E-mail

Pick a password

- Your password must be 8-20 characters long
- Contains letters and numbers
- Must not contain spaces, special characters or emoji



 Don't reuse your bank password, we didn't spend a lot on security fot this app

☐ By clicking sign-up you agree to Prana's Terms of Use and indicate that you have read our Privacy Policy

Sign up

This tab allows you to register and/or log in to the PRANA ONLINE 2.0 service.

You can also register and/or log in with your Google account. Select your account or add a new one if you are not already logged in to Google.

The tab also allows you to read the GDPR AGREEMENT policy, choose the interface language and appearance of the application.

Registration and authorization is required only in case of collecting statistics for future viewing and management using the PRANA ONLINE 2.0 Internet service.

The standard set of functions will work without the use of the «PRANA ONLINE 2.0» service, using Bluetooth or the Remote Control, at the same time statistics from the recuperator are not transferred to storage and firmware update in the system is not possible.

The application on your devices can be updated regardless of the type of connection.

Systems connected to the account via the «PRANA ONLINE 2.0» Internet service have the ability to update the software automatically.

With updates:

- We correct mistakes
- We expand and improve functionality
- We optimize memory usage, which allows the system to work faster and more efficiently.

Registration of a personal account in the system «PRANA ONLINE 2.0» can be done in the mobile application during the first review, or later in the Account tab.

Click «REGISTRATION» and the application will automatically open a browser with the registration form that must be completed to create an account.

Enter your name, surname, e-mail address\* and create a password\*\*.

\* When entering information, your email address must be valid (this is required to confirm and restore your account if necessary).

Your email address will be a username.

\*\* A strong password should be easy enough for you to remember, but difficult for others so that no one can guess or pick it up.

Do not use passwords that are:

- Easy to guess, for example, «1234, 0000, 1111»
- Previously used for an account
- Date of birth, name of pets

After you fill in the registration form and click «SIGN UP», you will receive a letter with a link at the e-mail address you provided.

A confirmation email can be received within 10 minutes; if this does not happen, please try to sign up again.

Open the link received from “noreply@sensesaytech.com” at the address you provided, it is necessary to confirm your e-mail address.

The account is ready to use.

Once you have completed the steps above, you can log in to the mobile application.

More about authorization is described in the «LOGIN TO ACCOUNT» section.

## LOGIN TO ACCOUNT

---

To log in, use the «ACCOUNT» tab in the mobile application and click «LOGIN».

- Enter your username (the email address you provided during registration is your username).
- Enter the user password

The «RECUPERATOR SELECTION» tab will display the following systems:

- Which are in the Bluetooth range during scanning
- Which were previously connected to the system storage

## CONNECTION TO THE STORAGE

---

The storage consists of the names of your systems, obtained during operation values from the sensors, network parameters and settings and the access address to the recuperator.

These parameters allow you to take full advantage of remote control from the Internet.

To connect via the Internet connection in any case requires:

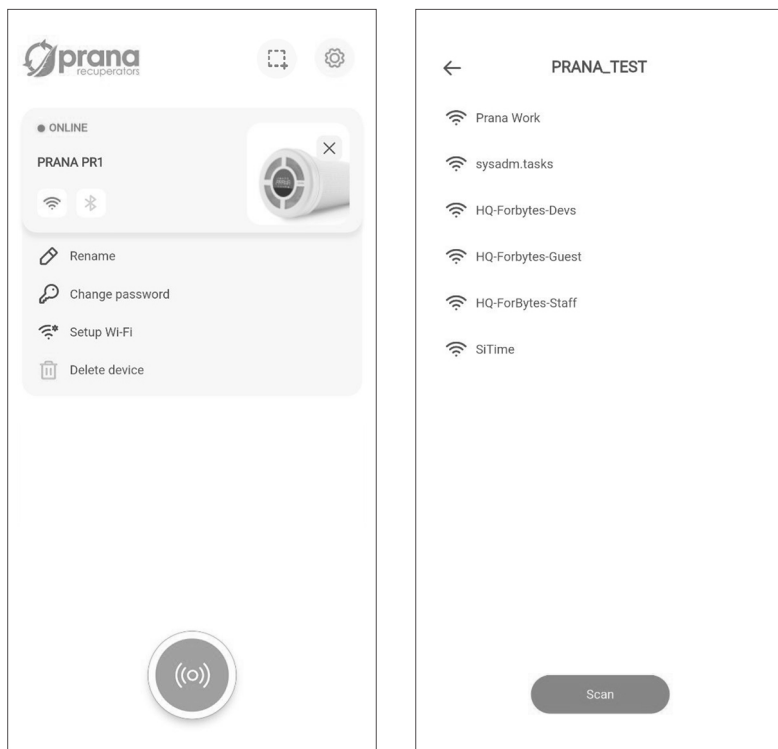
- Go through the initial Bluetooth connection, the process is described in the quick user's guide.
- Your room must have a Wi-Fi access point (2.4 GHz), with Internet access
- Access to router settings (for experienced users)

In some cases, the connection to the server may be blocked by the firewall, depending on your network equipment or network operator. For a consult, contact the technical service of your Internet provider.



When the initial connection via Bluetooth is completed.

Click next to the system you want to control remotely and select «WI-FI SETTINGS».



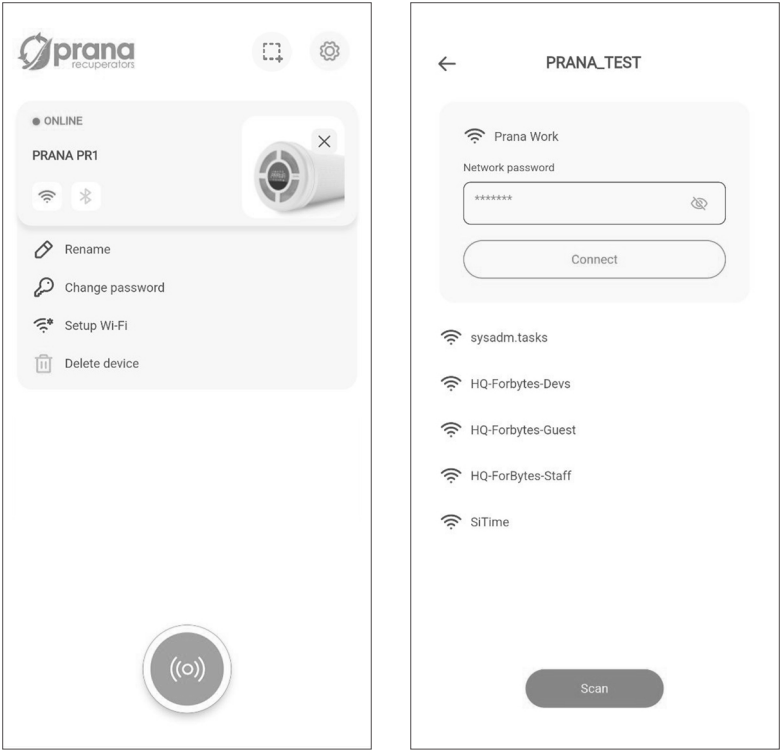
After a few minutes of searching, the phone will display all available networks within range of Wi-Fi.

Select the network you want from the list, enter the access password to this network and click «CONNECT».

If the password is entered correctly, the system will connect to the network.

If the storage connection on this device has been previously activated, the next step will delete all previous data, including previously collected statistics.

To synchronize with the server, click  again and select «CONNECT TO STORAGE».



The system will synchronize and reload.

Once you have activated your Internet connection, you can control the system using «Bluetooth» and/or «Wi-Fi».

You can select the type of connection to the system on the tab «RECUPERATOR SELECTION», button of the desired connection («Bluetooth» or «Wi-Fi»).


## DEVICE REMOVAL

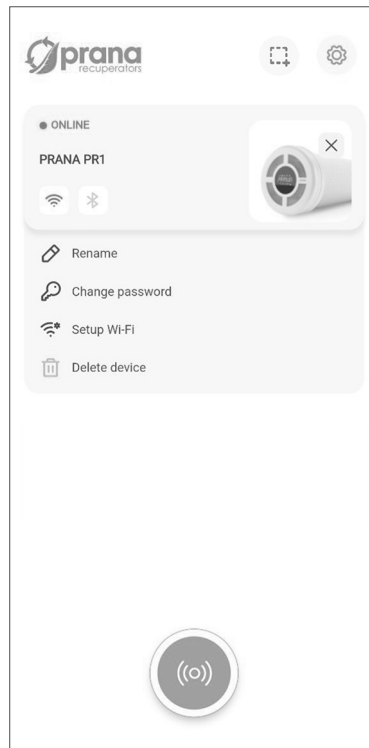
---

500 (Units) of PRANA ventilation systems can be connected to one account.

The PRANA ventilation system can only be connected to one account at a time.

If the storage connection on this device has previously been activated, the following action will delete all preliminary data, including previously collected statistics.

To delete a system from the account, please press  for the system you wish to delete and confirm the action.




## DELETING AN ACCOUNT

---

To delete an account, press  .

Go to the settings: Account settings section in the application menu.

After you have completed the above steps, press  .






If you are sure, confirm the account deletion by following the on-screen instructions.

# DESCRIPTION OF MOBILE APP TABS

A description of the tabs of the mobile application «PRANA ONLINE 2.0» as part of the ecosystem (service) is shown below.






Picture of the Tabs Menu of the PRANA ONLINE 2.0 mobile app

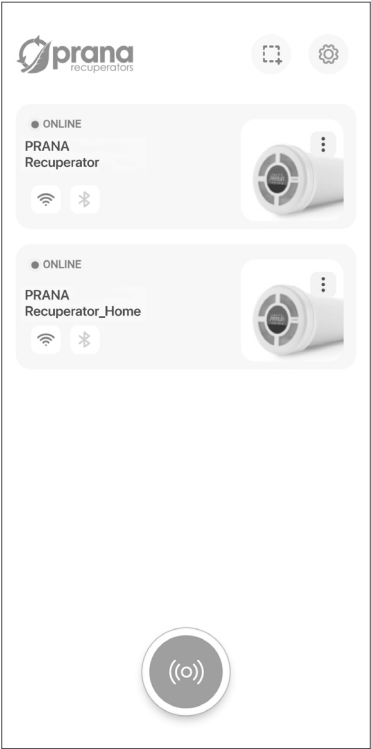
-  - Allows you to select a device
-  - Manage your devices
-  - Real-time readings from sensors
-  - Operating modes on specific days and time intervals
-  - Building graphs that are displayed in the statistics.

The Management tab has additional tabs. Below is a description of the tabs.





-  - Airflow control
-  - Allows you to select the operating mode
-  - Select the screen on the device

The content of the tab is graphically shown below.




The tab allows you to select a system to control, give a name, change the name, change the password, set the connection method, connect to the storage and delete the device.


-  - Settings. Register an account, choose the interface language and appearance of the application.
-  - Groups. Allows you to create groups for your devices on the screen.

For ease of control (if there are 2 or more systems), you can assign each system an individual name and access password.

All the following steps are performed on the tab «Recuperator selection».

In order to rename the system, click  next to the system to which you are currently connected and select «Rename»; use the keyboard to enter the desired system name and press «SAVE».

The system will reload and accept the changes.

In order to change the system password, click  next to the system to which you are currently connected and select «Change password»; use the keyboard to enter the desired password (four digits) and press «SAVE». The system will reload and accept the changes.

SCAN button allows you to update the list of available systems on the network by searching via Bluetooth.

Later in the list of available systems you will see individual names of your systems and will control them. Be sure to write down the password so you don't lose an access to the system and statistics.

In case you have not written it down or lost the password to the system, you can restore it to the factory settings using the combination on the remote control (when resetting the password to the factory value, statistics may be lost):

2x  2x  2x  2x 


If everything is entered correctly, RESET will appear on the system display. Parameters that will take the original state:

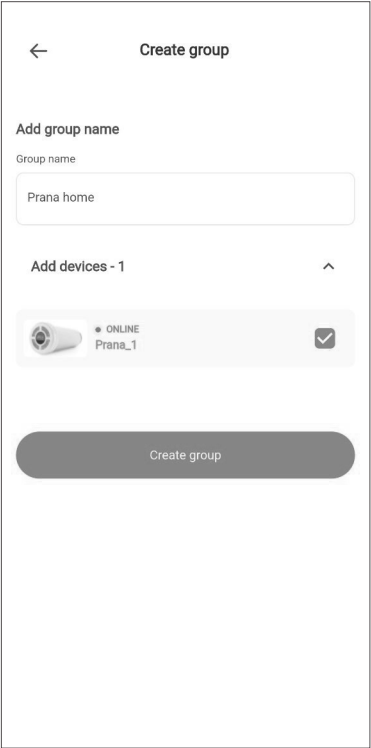
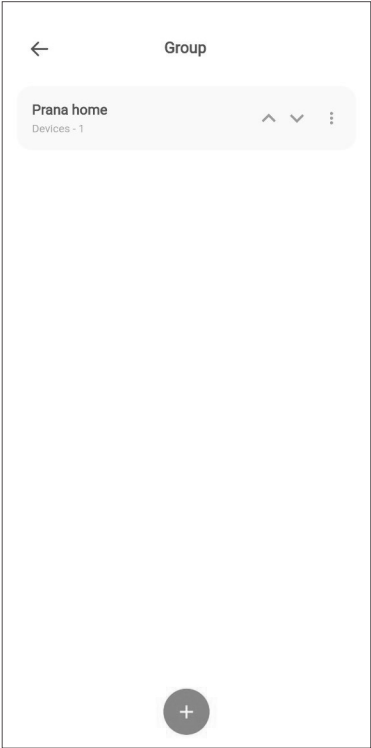
- The name of the system will take the factory value: PRANA Recuperator;
- The system password will take the factory value: 0000;
- The performance statistics and the programmable control list can be deleted.

If you are interested in connecting via an Internet connection (Wi-Fi module), refer to the «Account» section.

For ease of management (if you have 2 or more systems), you can group systems.

The grouping function allows you to set up common operating modes for all devices in the group.

To group a system, press .



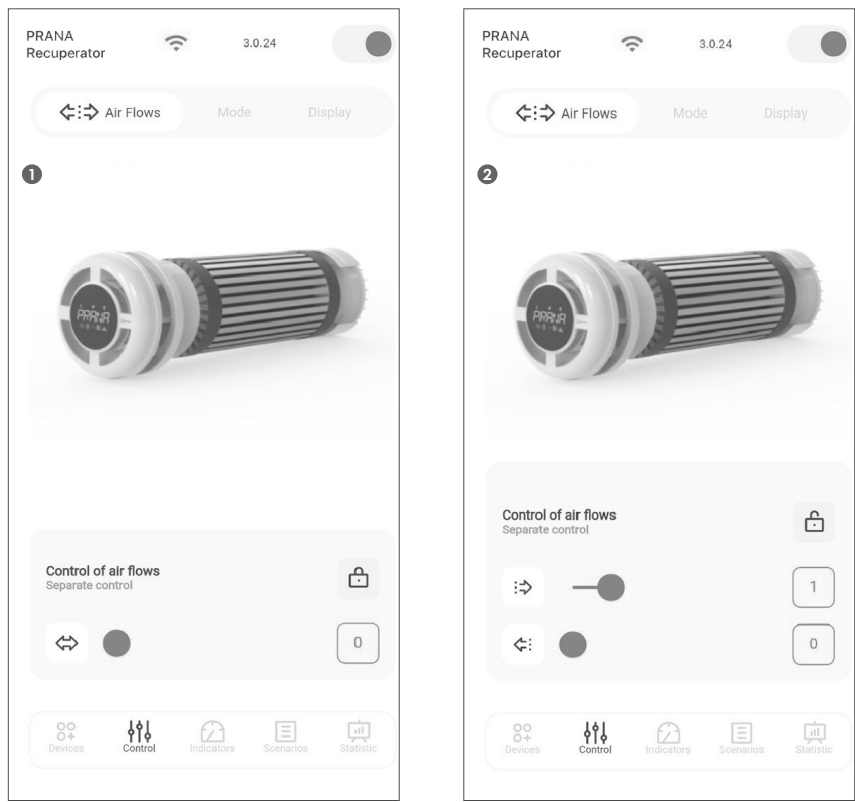
Here you will be able to create new groups by selecting the ventilation devices you want to combine.

Open the desired group to turn on and off all ventilation devices in this group simultaneously. You can also configure the settings for the entire group at once.

Select the group and configure modes such as fan speed, run time, and more.



Below is a graphical representation of the Airflow tab.



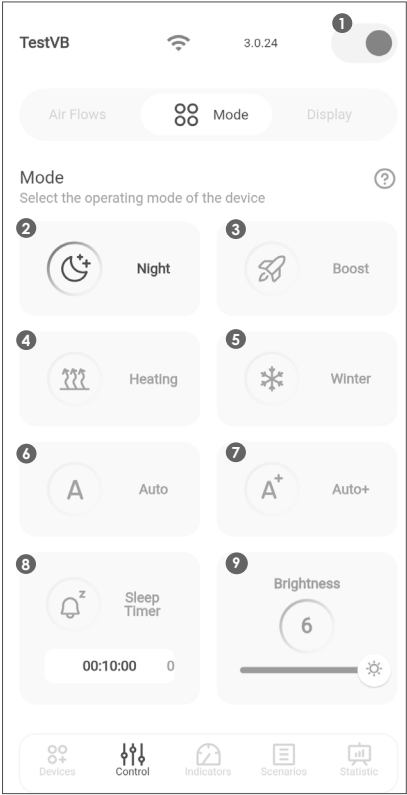
The tab allows you to control airflow in manual and separate control modes.

1 - Manual control mode

2 - Separate control mode

For more information, see «Manual control mode» and «Split control mode».

Below is a graphical representation of the contents of the «Operation mode» tab.



The tab allows you to control the selected system, set operating modes, and use functions from the mobile application.

Purpose of the buttons on the Control tab.

1 - Turn on/off

2 - Night mode

3 - Boost mode «Airing»

4 - «Mini-heating» function

5 - «Winter mode» function

6 - Control of the «AUTO» mode

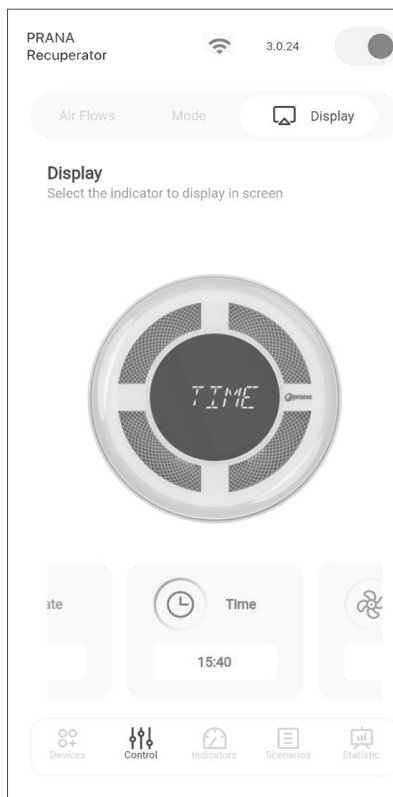
7 - Control of the «AUTO+» mode

8- Function «Sleep timer»

9 - Backlight

The functioning of the buttons may differ and depends on the system configuration, details are described in this manual for each function or operating mode.

Below is a graphical representation of the contents of the Display tab.



The tab allows you to manage the selected system, set the desired display screen on the device.

The operation of the buttons may differ and depends on the system configuration, the details of which are described in this manual for each function or mode.

## PASSIVE OPERATION MODE

---

Passive mode is the operation of the recuperator with the cover open and the engines off.

It is based on the movement of uncontrolled air flows through the recuperator.

This is due to the difference in pressure and temperature inside and outside of the room.

Allowed for use when the difference between outdoor and indoor temperatures is not more than 5°C.

## DEFROST FUNCTION

---

In the cold period, with improper operation of the recuperator there is a risk of icing of the heat exchanger, which leads to a significant efficiency reductions, accumulation of condensate in the system and icing of the engines.

In the event of icing it is necessary:

1. Turn on the recuperator;
2. Turn off the supply and exhaust;
3. Close the front cover;
4. Enable the «Mini-heating» function;
5. Wait 60 minutes for it to defrost.

Then switch on the recuperator in the required operating mode.



If there are no improvements, this algorithm must be repeated.

## MANUAL CONTROL MODE

---

Manual mode is used as the default system mode.

Switching speed modes can be done with +/- buttons on the remote control or in the mobile application.



You can switch the system for simultaneous flow control by pressing 2x  on the remote control or  in the mobile application.


## SEPARATE CONTROL MODE

---

The function allows you to separately control the flow of supply and exhaust air.

Volumes of supply and exhaust air can be seen in the mobile application and info panel (values from 1 to 5).

In order to control the air flow with the remote control, press the  button for the supply or the  button for the exhaust, and then set the required volume of air with +/- buttons.



In order to control the air flow from the mobile application, press the  button and then set the required supply and exhaust volume using +/- buttons, the supply values will be at the top and the exhaust values at the bottom.

## NIGHT MODE

---

«1/5» on the info panel - the system works in the «Night» mode.



The minimum and quietest mode of operation of the system, which is designed to work at night.

Activated with the  button on the remote control or the  button in the mobile application.

## BOOST MODE (VENTILATION)\*

---

«BOOST» on the info panel - the system works in the «Boost» mode (Ventilation).



The maximum operation mode of the ventilation system. The «Boost» mode (Ventilation) is activated by the  button on the remote control or the  button in the mobile application.

\* - Unregulated mode, maximum performance, not recommended for continuous use.

## ADJUSTMENT OF THE INDICATION BRIGHTNESS

---

In order to ensure the comfort of operation of the system in the dark, we have provided 6 levels of display brightness.

The brightness of the display can be adjusted with the  button on the remote control or  in the mobile application.

## DATE AND TIME FUNCTION

---

For additional comfort of the operation, the date and time function is optionally available in recuperators.

The function is activated via an additional menu. The system (recuperator) receives the date and time from your smartphone during synchronization.

When disconnecting the system from the power supply network, synchronization should be repeated.




If you remain the date or time active, it will be displayed until you switch the information display.

## SLEEP TIMER FUNCTION

---

The function is highlighted on the display panel .

The function is activated by the  button on the remote control or the  button in the mobile application.

The timer configuration is switched by the   buttons on the remote control or  in the mobile application.

9 timer configurations are available.

When selecting a configuration, the display panel indicates the time after which the system is automatically turned off.

Timer configurations:

- 10 min • 20 min • 30 min • 1 h • 1 h 30 min • 2 h
- 3 h • 5 h • 9 h

«AUTO» mode is activated by the AUTO button on the remote control or in the mobile application.

«AUTO PLUS» mode is activated by double-pressing the AUTO button on the remote control.

When the «AUTO» indicator on the info panel is green, the «AUTO» mode is on.

There is no separate «AUTO PLUS» mode indicator.

The system informs about the startup process of the mode with the indicator «AUTO» on the info panel, and the display on the info panel with the caption «AUTO +» for only 1 second.

The operation mode works according to a special algorithm that selects the optimal settings based on the data obtained from the sensors \* in real time.

In the «AUTO+» mode the recuperator works according to the algorithm similar to the «AUTO» mode, but with restrictions on air exchange to more comfortable noise load.



The maximum allowable speed of fans is 2.


The algorithm responds to increasing relative humidity and/or deterioration of air quality by automatically increasing/decreasing the system performance, depending on the data obtained from the sensors.

\* The availability of certain values of sensors and algorithms depends on the configuration of your recuperator.

\* In system configurations where there are no air quality sensors (CO<sub>2</sub>eq and TVOC), the algorithm takes into account only the value of the relative humidity sensor (Rh).



The «Mini-heating» function is activated by the  button on the remote control or the  button in the mobile application.

When the  indicator on the info panel lights up in red, the «Mini-heating» function is on.

If the «Mini-heating» function is switched on in the «Night» mode, the supply air temperature may increase (up to 3-5 °C).

When the temperature outside is below 4 °C, in order to prevent the system from freezing and icing of the heat exchanger and condensate out-let, the system must work with the «Mini-heating» and «Winter mode» functions activated.

When the «Winter mode» function is activated, the «Mini-heating» function is automatically activated as well.

In PRANA ventilation systems of the STANDARD series, when the auto mode is switched on and the supply air temperature before recuperation is below + 4 °C, the «Mini-heating» and «Winter mode» functions are switched on automatically.


In PRANA ventilation systems of the ERP PRO series, when the auto mode is switched on and the supply air temperature before recuperation is below + 4 °C, the «Mini-heating» and «Winter mode» functions are switched on automatically.

In PRANA ventilation systems of the ERP series with the auto mode switched on and the supply air temperature after recuperation is below + 14 °C, the «Mini-heating» and «Winter mode» functions are switched on automatically.

Based on the indicators of (optional) temperature sensors, the functions «Mini-heating» and «Winter mode» are switched on and off automatically.

The «Winter mode» function is designed to ensure the correct operation of the system in the cold season.

In order to prevent the system from failing and to ensure its correct operation, the use of «Winter mode» accompanied by the function «Mini-heating» is mandatory at ambient temperatures below + 4 °C.

In order to start the system in the cold season, turn on the «Winter mode» function with the  button on the remote control or the \* button in the mobile application, and then select the desired mode of operation of the ventilation system.

After the time on the «Winter mode» timer has elapsed (1 min), the ventilation system switches to the selected operation mode. During the waiting time, «WAIT» appears on the system display.

The engines of the ventilation system are started only after the time on the timer «Winter mode» has elapsed.

After the system is switched off, the «Winter mode» works for another 30 minutes to prevent icing in the system, which may lead to reduced efficiency or complications of condensate drainage.

When the indicator on the info panel lights up in white, the function is switched on and heating elements are in a passive condition.

When the indicator on the info panel lights up red, the heating elements are in operation.

In PRANA ventilation systems of the STANDARD series, the heating elements are automatically switched on at the supply air temperature before recuperation below + 4 °C, and they are switched off at + 8 °C.

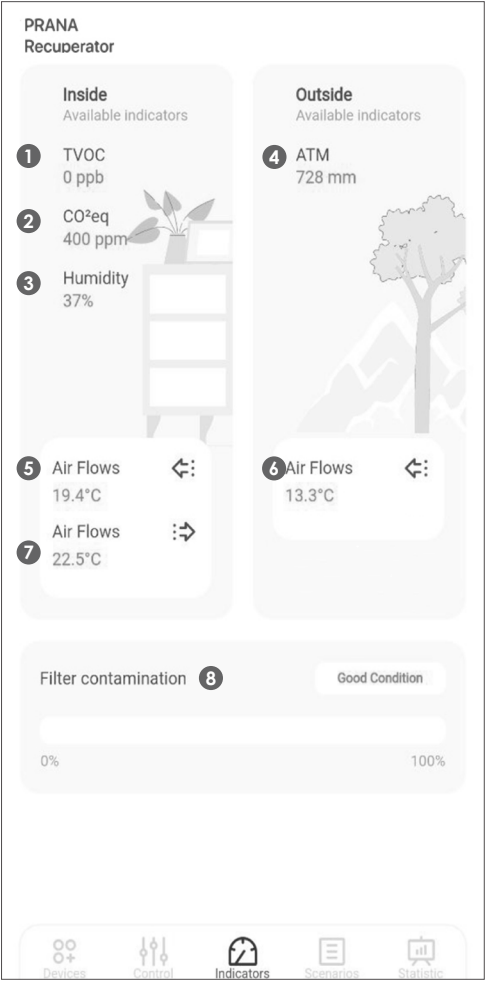
In PRANA ventilation systems of the ERP PRO series, the heating elements are automatically switched on at the supply air temperature before recuperation below + 4 °C, and they are switched off at + 8 °C.

If the outside temperature is higher than + 18 °C, the «Winter mode» function is not available.

In PRANA ventilation systems of the ERP series, the heating elements are automatically switched on at the supply air temperature after recuperation below + 14 °C, and they are automatically switched off at + 20 °C.

If the supply air temperature after recuperation is higher than + 30 °C, the «Winter mode» function is not available.

Below is a graphical representation of the tab contents.



You can check the information from the sensors in real time.

The availability of certain sensor values depends on the configuration of your recuperator.

Correspondence of the «Indicators» values.

1 - Air quality indicator, TVOC

2 - Level of carbon dioxide equivalent, CO<sup>2</sup>eq

3 - Relative humidity, Rh%

4 - Atmospheric pressure, mm Hg

5 - Supply air after recuperation, °C

6 - Supply air to recuperation, °C

7 - Exhaust air before recuperation, °C

8 - Filter contamination indicator

In addition to real-time viewing, these indicators are used to graph plotting and are displayed in statistics.

Statistics are collected only when connected via an Internet connection and stored in the storage.

If you are interested in connecting via an Internet connection (Wi-Fi module), refer to the «Account» section.

# FILTER STATE DETERMINATION FUNCTION

This function approximately determines the contamination rate of the supply air filter for further cleaning or replacement.

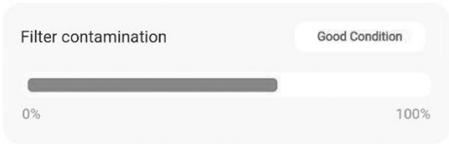
The measurement is carried out using an atmospheric pressure sensor, which can be optionally located in the system, the result of which is displayed only in the mobile application.

The filter state is determined at the time of system starting or during automatic (scheduled) inspection by means of the measurement of the filter capability.

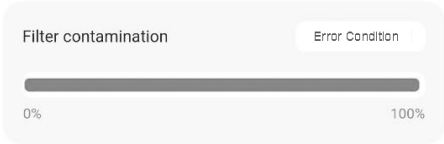
Check the state of the filter periodically, following the marks in the table.



- The filter is in good condition

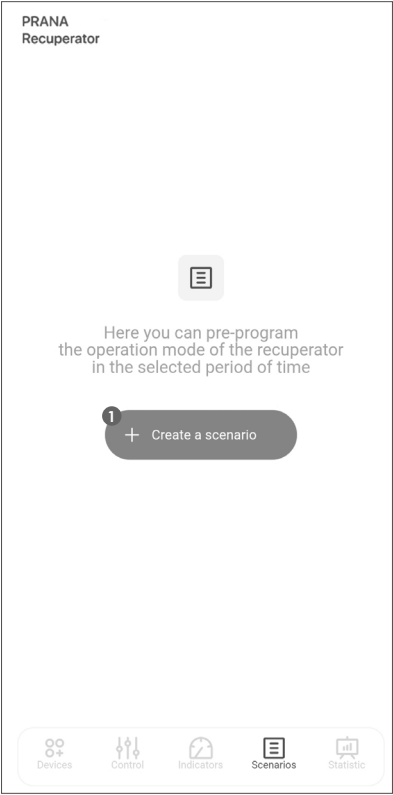


- The filter is in good condition



- Error - dirty filter

Below is a graphical representation of the tab contents.



System operation according to the schedule. The ability to select operating modes on certain days and time intervals.

1 - The button allows you to create a new rule for scheduled operation.

The function allows you to program the recuperator's operation mode for certain time intervals in advance.

To create a new rule, click «Create a scenario».

In the «Start» field, select the day of the week and the time when the event starts. If you want the event to repeat every day, select «Repeat».


In the Finish field, select the day of the week when the event ends. If you selected «Repeat» in the «Start» field, the event will end every day.

After entering the time frame, select the function or operating mode in which the system (recuperator) should operate during this time.

A description of the available functions and modes is available in the manual.

When the rule is completed, the system (recuperator) will return to the previous operating mode.

If you want to delete a rule, click  next to the rule and select «Delete».

If you want to edit a rule, click  next to the rule and select «Edit». Then make your changes and select «SAVE» to save.

←

Create New Scenario

Add scenario's name

e.g. My scenario

Select time and date

Repeat ☐

Start

Time 00:00

Date Monday

Finish

Time 00:00

Date Tuesday

Select a function or operating mode

🌙+

Night

🚀

Boost

🔥

Heating

❄️

Winter

Cancel

Save

PRANA  
Recuperator

+

Schedule of scenarios

Bound Supp Extr Heat Auto Auto+

B

4

2

0

Mn

Tu

We

Th

Fr

Sa

Su

All scenarios

🗑️

Prana\_1

^

v

⋮

Wednesday

Tuesday

17:30

18:40

Supply 3/5

Extract 3/5

Heater is Off

Prana

^

v

⋮

Monday

Tuesday

15:40

18:00

Motors: Boost

Heater is Off

If you create multiple rules, the one above will be executed first.

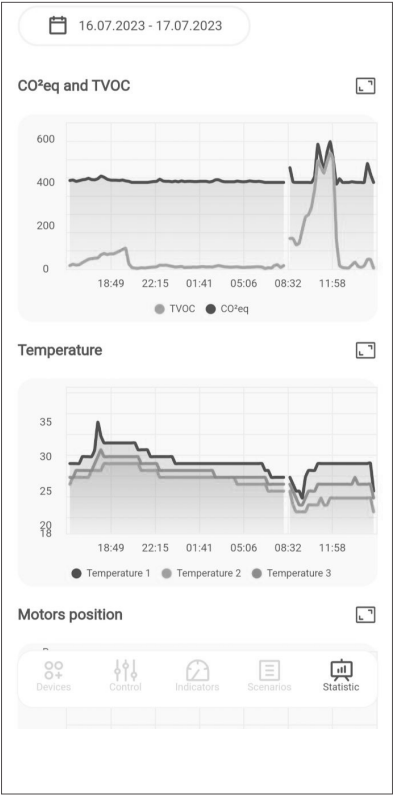
After creating the rules, you can set the priority using the navigation buttons: ^ v

By raising the more important rules and lowering the less important ones, you can set up different combinations of their interaction.


40



The content of the tab is graphically shown below.



The ability to view readings from the system sensors at different time intervals.

You can also return to the full screen using the button  in the mobile application.

Statistics are displayed and stored only when connected via the Internet (Wi-Fi module in the system). Details are described in the «Account» section.

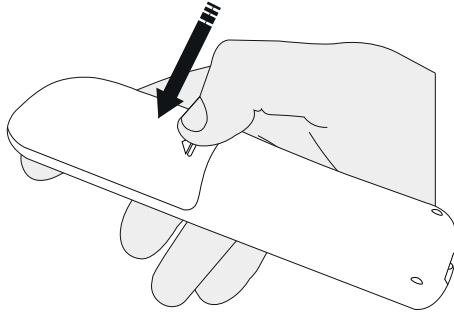
## REMOTE CONTROL FAILURE

---

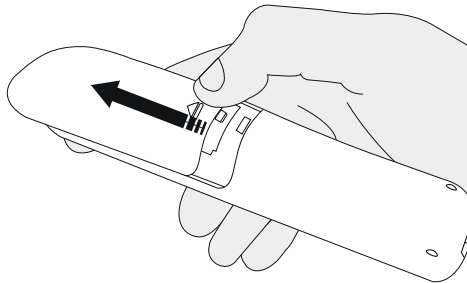
If you experience a failure of the remote control during operation, follow the instructions in this manual.

The images show the back of the remote control.

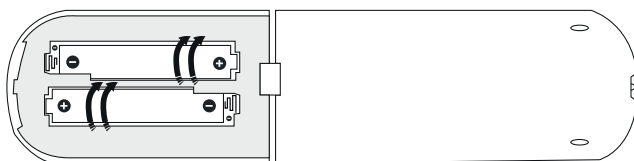
- Press lightly on the ribbed part of the back cover.



- Slide the cover out of the remote control.



- Rotate the batteries around their axis (as shown in the illustration) and check for visible trace impurities.



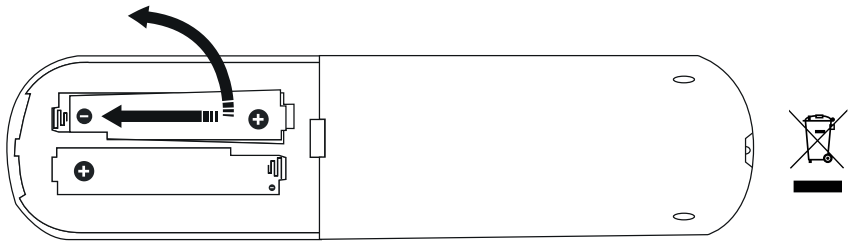
The type of batteries used in the remote control is AAA/R03/1.5V.

- If the batteries are missing, proceed to install the batteries (installation and removal of the batteries is described in «Batteries replacement of the Remote Control»).
- If the remote control does not work after rolling the batteries (or the batteries are visually contaminated), go to «Cleaning the remote control contacts».
- If there is no visual contamination, but the batteries do not work, go to «Batteries replacement of the Remote Control».

## BATTERIES REPLACEMENT OF THE RC

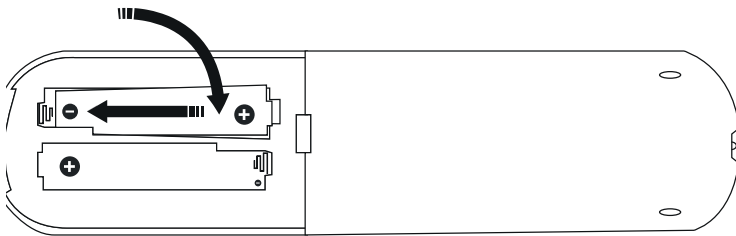
---

- Remove used batteries from the remote control.

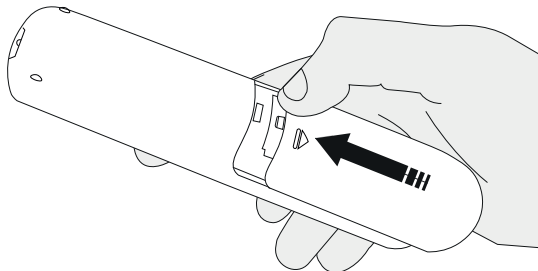


- Install new batteries in the remote control carefully following the polarity of the «+» and «-» connections indicated in the compartment.

Insert the batteries starting from the «-» side.



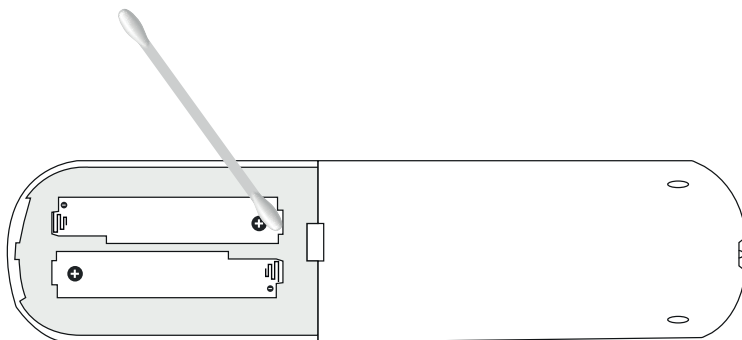
- Place the back cover on the remote control, push it all the way in and make sure the cover is in the home position.



## CLEANING THE REMOTE CONTROL CONTACTS

---

Clean the contacts of the remote control with a small amount of special cleaning agent (for example, KONTAKT 60) using a cotton swab, a cotton stick or a soft cloth.



If the remote control no longer works after all operations (cleaning the remote control contacts and batteries replacement of the remote control), contact the service center of the manufacturer or dealer in your area.

Dealer contacts can be specified in the warranty card (warranty card is in the product technical passport).

Difficulties in using of the ventilation system and troubleshooting methods:

If you have a situation not described in this section of the instructions, contact the service center of the manufacturer or dealer in your area.

Dealer contacts can be specified in the warranty card (warranty card is in the product technical passport).

### • EFFICIENCY REDUCTIONS •

- Insufficiently sealed space between the mounting hole and the outer housing of the recuperator.

TROUBLESHOOTING METHOD: Reassemble using sealing materials.

- A considerable part of the system protrudes from the wall.

TROUBLESHOOTING METHOD: Use insulation.

- Lack of recommended periodic service.

TROUBLESHOOTING METHOD: Carry out service.

### • COLD SUPPLY AIR •

- Influence of mechanical and natural ventilation systems.

TROUBLESHOOTING METHOD: Regulation of air flow by means of ventilating grilles. Stopping local ventilation or reducing its productivity.

- Front venting of system.

TROUBLESHOOTING METHOD: Installation of an external wind-proof cover.

• CONDENSATE FLOW INTO THE PREMISES •

- Incorrect angle of the mounting hole.

TROUBLESHOOTING METHOD: Carry out the correct installation.

- Lack of recommended periodic service.

TROUBLESHOOTING METHOD: Carry out service.

- Radial displacement of the system in the housing

TROUBLESHOOTING METHOD: Carry out the correct mounting.

• ICING OF THE SYSTEM •

- Ignoring the function «Mini-heating» and «Winter mode» at ambient temperatures below +4°C.

TROUBLESHOOTING METHOD: Use the «Defrost» function, carefully follow the operating instructions.

• THE SYSTEM DOES NOT START •

- No voltage in the network.

TROUBLESHOOTING METHOD: Check for network voltage.

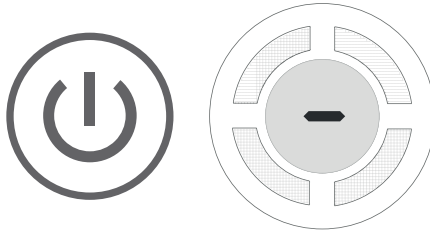
- Power supply is not connected.

TROUBLESHOOTING METHOD: Make sure the power supply is properly connected to the ventilation system.

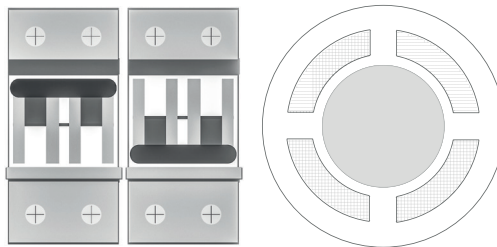
Maintenance of the PRANA ventilation system involves periodic (recommended at least 1-2 times a year), preventive inspection and cleaning of fan surfaces and heat exchanger surfaces.

Procedure for disassembly/assembly of the device for/ after cleaning:

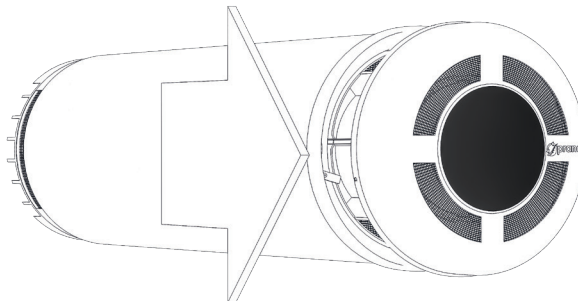
- Press the «Turn off» button on the remote control or in the mobile application.



- De-energize the ventilation system.

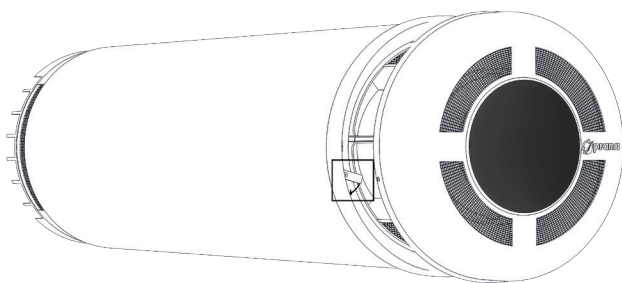


- Open the front cover of the recuperator.

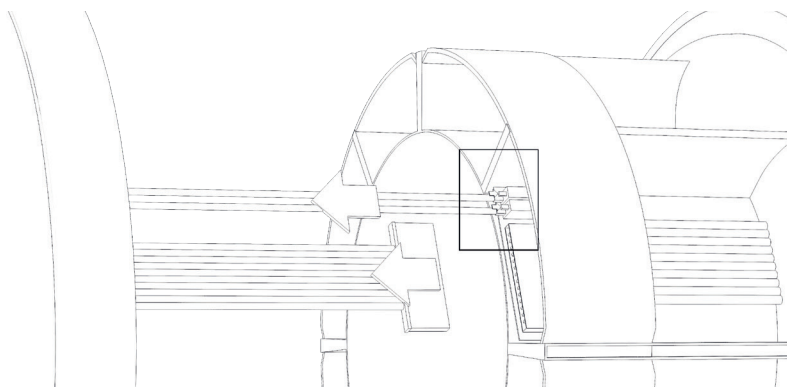




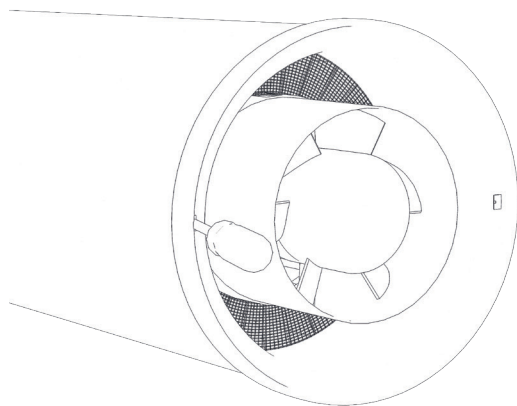
- Turn the fixing lock of the cover and remove.



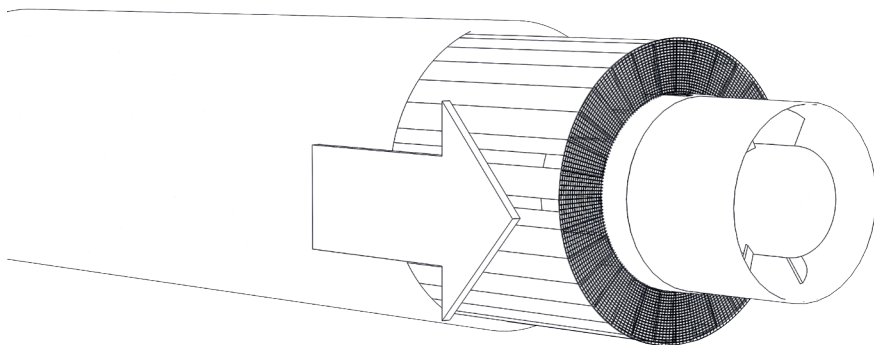
- Disconnect the cable and remove the power cords by pressing the terminals. Release the cover.



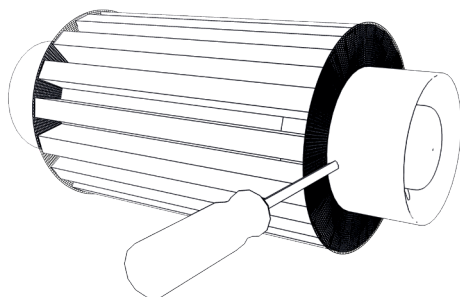
- Twist the screws from the flange. Remove the flange.



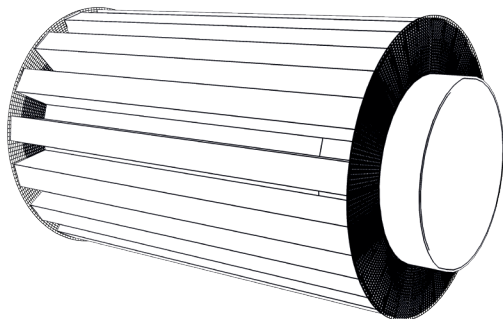
- Remove the heat exchanger and fans from the housing.



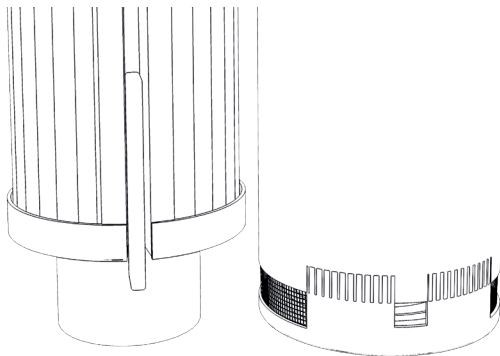
- Twist the screws. Remove the fans on both sides.



- Clean the heat exchanger by dry method.



- After cleaning, collect in reverse order.
- The heating of the condensate drain (heating element) must be at the bottom near the hole on the housing.



- The flange must be installed correctly; the larger protrusion of the board must be at the bottom.



