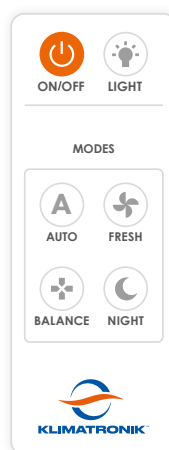
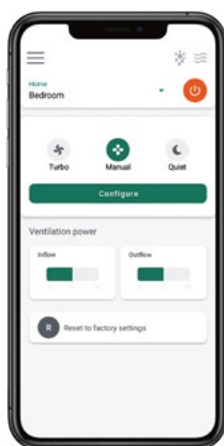




OPERATING INSTRUCTIONS FOR HEAT RECOVERY VENTILATION SYSTEM «KLIMATRONIK 160 BASIC»



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System features and capabilities

Remote control

Control using the mobile app for Android / iOS via Wi-Fi

Information LED-display

Automatic heating of supply air

Automatic defrosting of condensate

2 EC fans (with microcontrollers)

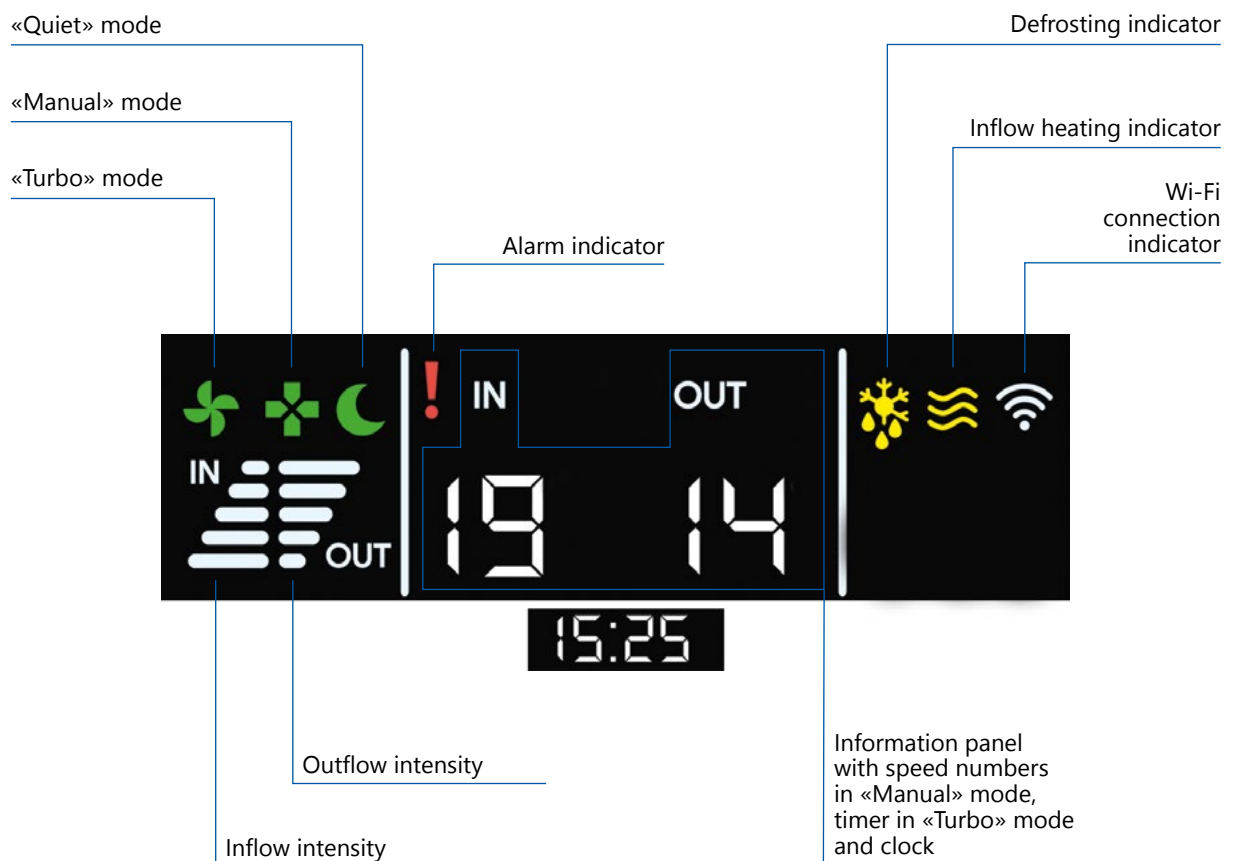
3 operating modes: «Manual», «Turbo», «Quiet»

Separate fan speed control in the «Manual» mode

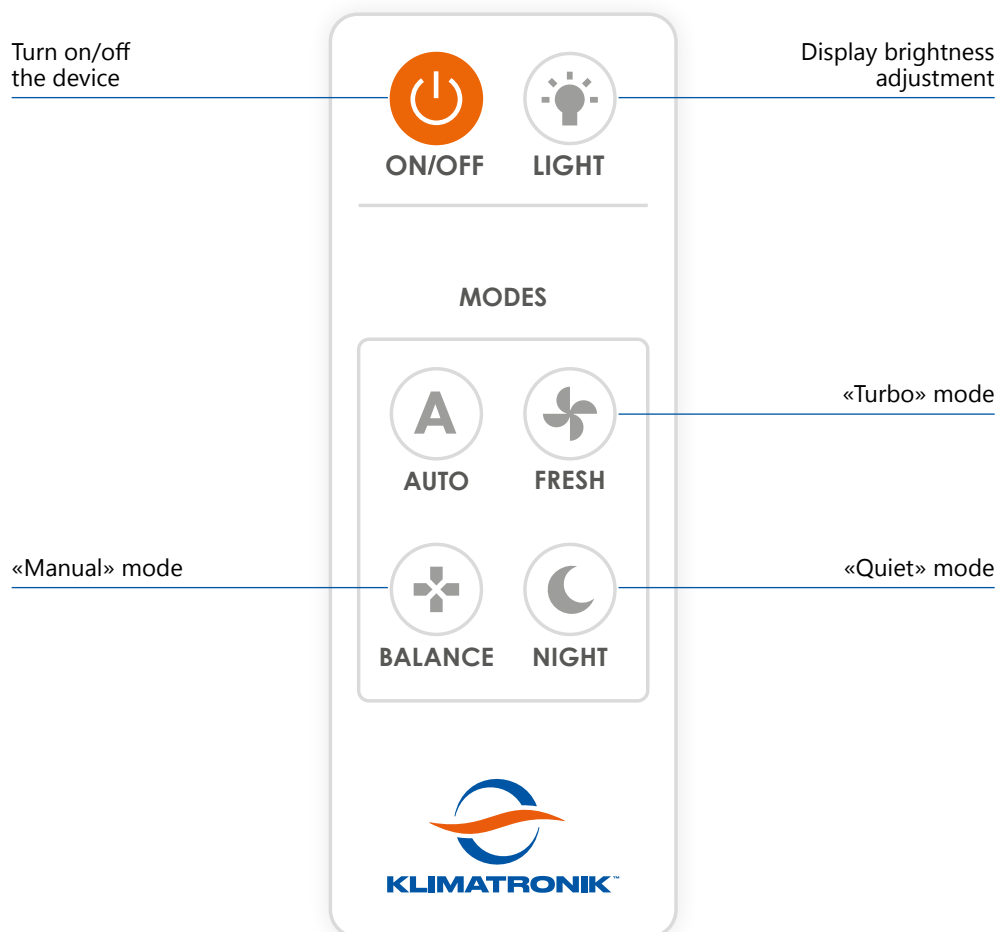
Automatic electric shutter valve

Display indications

Indication symbols of the display show information in all operating modes of the recuperator



Recuperator control using the remote control



Functions of the remote control buttons

1. «On/Off» button to turn on/off the device



ON/OFF

The button is used to enable the default «Manual» mode and to turn off the recuperator, as well as to connect the device to the mobile app (see the section «Connecting the recuperator to the mobile app»).

2. «Light» button to adjust the display brightness



LIGHT

By default, the device automatically adjusts the display brightness according to the light level in the room: the higher the level, the brighter the display, and vice versa. With the «Light» button you can adjust the desired brightness level of the display or return to its automatic adjustment.

4. «Turbo» mode button («Fresh»)



FRESH

In the «Turbo» mode, both fans are set to maximum speed. This mode operates on a timer (3 min. by default). After that, the recuperator automatically returns to the mode that preceded the «Turbo» mode.

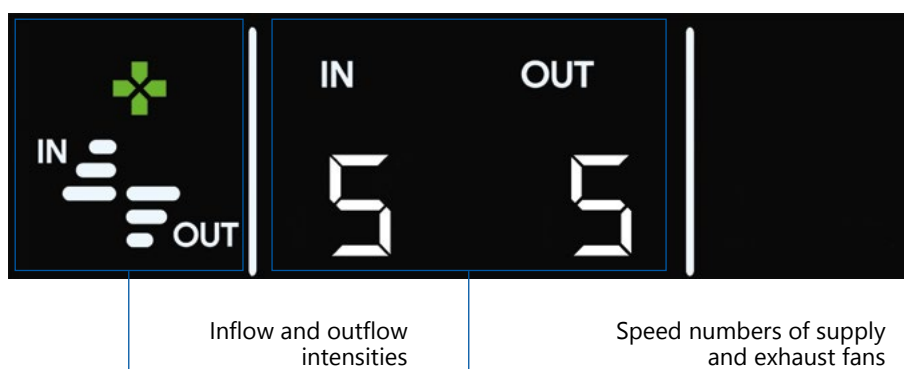
5. «Manual» mode button («Balance»)



BALANCE

The «Manual» mode provides the ability to manually control the supply and exhaust fans separately according to your needs. Follow these steps to adjust the fan speeds:

- Hold the «Balance» button for 2 seconds. The indication of the inflow and outflow intensities on the display will begin to pulsate and the current speed numbers of both fans will appear.

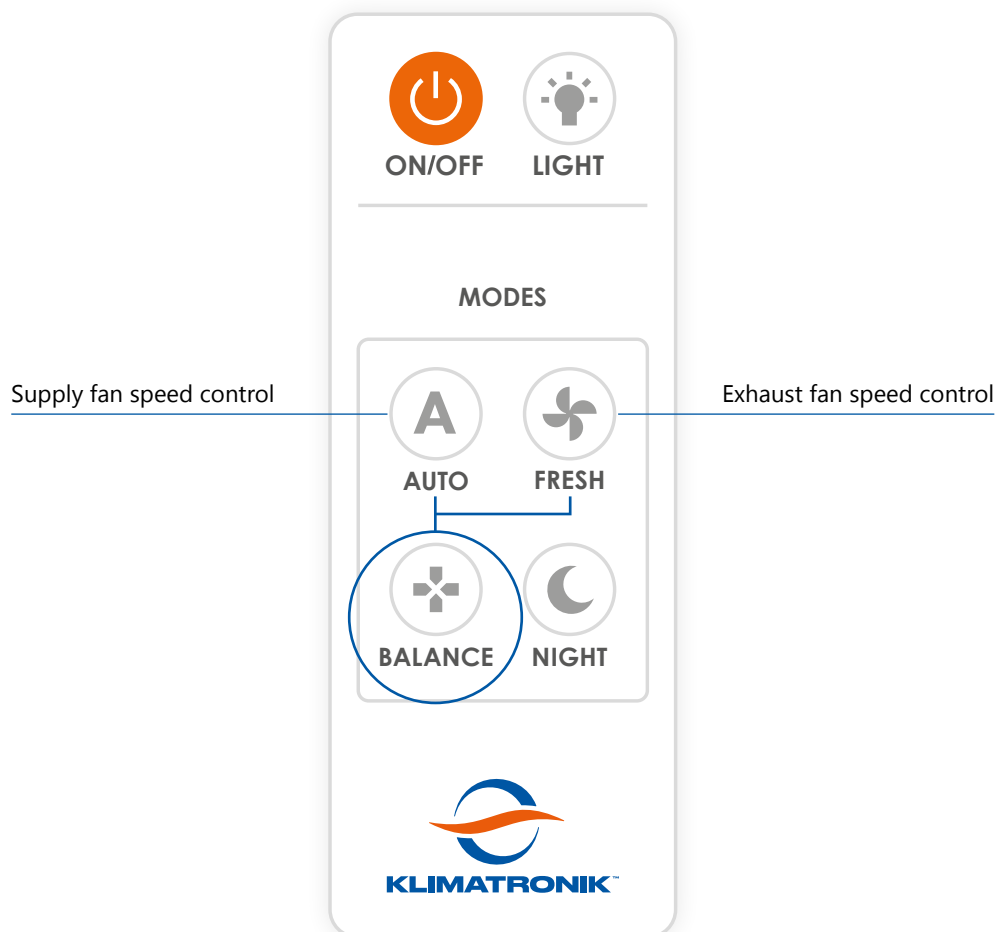


- The supply fan is controlled by the «Auto» button



- The exhaust fan is controlled by the «Fresh» button





- By pressing the fan control button, you cycle through a set of 11 speed options (number «0» turns off the fan, number «10» sets the maximum speed). The set fan speed number will appear on the display. The speed change takes effect a few seconds after the button is pressed.
- Hold the «Balance» button for 2 seconds to exit the fan speed adjustment mode.

More convenient fan speed adjustment is possible in the mobile app.

6. «Quiet» mode button («Night»)

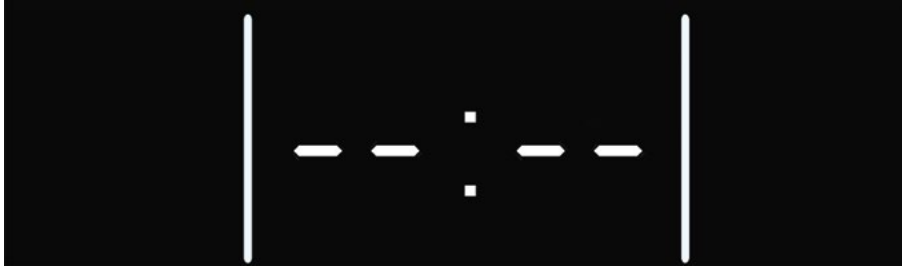


NIGHT

«Quiet» mode operates at low speeds to ensure a minimum of noise.

Initial start-up of the device

1. Connect the device to the 220 V mains. The display will show the following indication:



If this indication does not appear, it means that no power is supplied to the system.

2. Switch on the recuperator with the «On/Off» button on the remote control.



ON/OFF

3. The display will show the «Manual» mode symbol, inflow and outflow intensities and current fan speed numbers.

The Wi-Fi network symbol  and clock will not be displayed until the device is connected to the home Wi-Fi network.



6. If necessary, change the operating mode of the recuperator to the required one using the remote control.
7. **Download and install the mobile app on your mobile device to get convenient functionality for controlling the recuperator.**

Recuperator control using the mobile app for Android / iOS

Prerequisites for connecting and controlling the recuperator using the mobile app via Wi-Fi

1. Version of the operating system of the mobile device (smartphone, tablet):

- Android 7 and above
- iOS 13.1 and above

2. Controlling devices using the mobile app is possible within the range of the Wi-Fi network signal and if you have access (password) to it.

Several users can connect and control one recuperator. Also, one user has the ability to connect an unlimited number of devices to the mobile app. This is implemented for convenience when the user has several recuperators.

Controlling several devices in one location

Connect each device using the mobile app to the home Wi-Fi network (see the section «Connecting the recuperator to the mobile app»). Devices shall be in a zone of stable Wi-Fi signal strength. If the signal of the home Wi-Fi network is too weak, the data from the recuperator will not be received and it will be impossible to control the device using the app. To solve this problem, use the amplifier (repeater) of the Wi-Fi signal.

Controlling several devices in different locations

Recuperators in different locations only need to be connected once to the mobile app and home (local) Wi-Fi network. To control devices when changing locations, simply connect to the Wi-Fi network to which they were already connected. There is no need to re-connect recuperators to the mobile app and Wi-Fi network.

Connecting the recuperator to the mobile app

1. Go to the manufacturer's website klimatronik.com.ua, download the «Klimatronik» mobile app for your mobile platform from Google Play / App Store and install it.



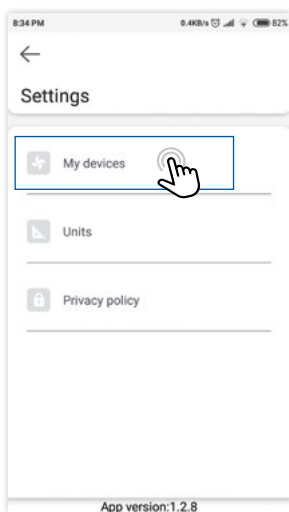
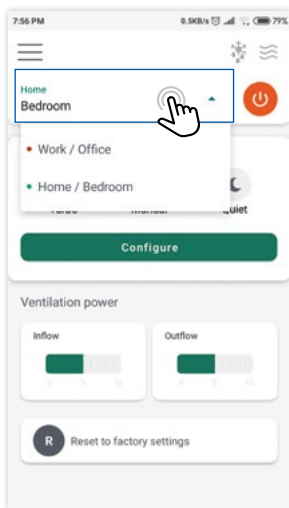
2. Follow the link <https://klimatronik.com.ua/support>, open or download the PDF file «Klimatronik 160 - Connecting the device to the mobile app» that corresponds your mobile platform. Please note that this file illustrates the connection using the example of the «Klimatronik 160 PRO» model, but the connection mechanism for the «Klimatronik 160 Basic» model is identical. Follow the instructions to connect the recuperator to your home Wi-Fi network and your mobile device.
3. Everything is ready, now you can control the recuperator using the app.

Description of the functionality of the mobile app for recuperator control

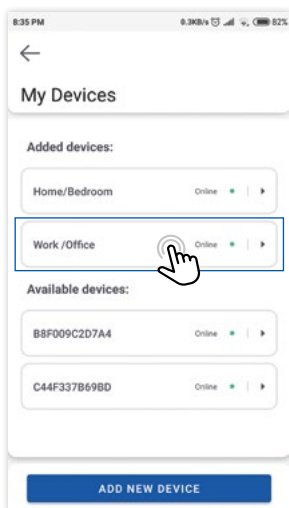
Selecting the device

Connect the recuperator to the home Wi-Fi network (see the section «Connecting the recuperator to the mobile app»).

On the home screen of the app, select the required recuperator from the drop-down list by pressing on the device name.



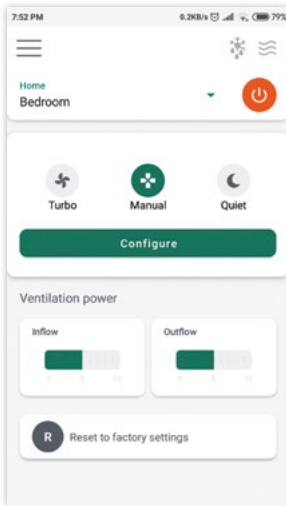
You can see all the devices you've added and edit their names on the «My Devices» screen by pressing the menu button.   



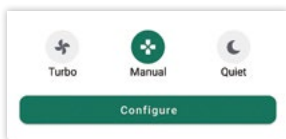
To edit the device name, press on the required recuperator name (e.g. «Work / Office»). Press «Edit» on the device information screen and enter a new name. Press «OK».

Main controls

The home screen of the app provides access to the main recuperator controls and monitoring of its operation:



-  – turn on/off the device
-  – inflow heating is enabled
-  – inflow heating is disabled
-  – defrosting is enabled
-  – defrosting is disabled
-  – menu button

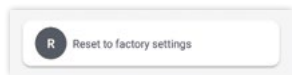


– section for recuperator control using 3 operating modes:

-  – «Manual» mode
-  – «Turbo» mode
-  – «Quiet» mode



– section with real-time display of the intensities of the supply and exhaust fans in each operating mode



Resetting the recuperator settings to factory defaults

The factory reset button is located at the bottom of the home screen of the app. It is provided for the correct setting of the device operation in the event of service.

To reset the device settings to factory defaults, press the button and enter the password: **1234**

After the factory reset, the device will reboot and calibrate both fans.

Please note that the Wi-Fi settings of the device will also be reset and the recuperator will need to be reconnected to the home Wi-Fi network.

Recuperator operating modes

The recuperator can operate in four active modes – «Manual», «Turbo», «Quiet», - as well as in the passive mode «Off».

Features of the device that are common to all its operating modes

The Klimatronik ventilation system constantly monitors the indoor and outdoor air temperatures and, in the cold period, automatically heats up the supply air to a comfortable room temperature if necessary and heats the condensate on the heat exchanger preventing it from freezing or defrosts it.

The indications of inflow heating, defrosting and Wi-Fi connection, as well as the inflow and outflow intensities are displayed on the display and in the mobile app in all active operating modes.

«Manual» mode

To enable the «Manual» mode, press the corresponding button on the home screen of the app.

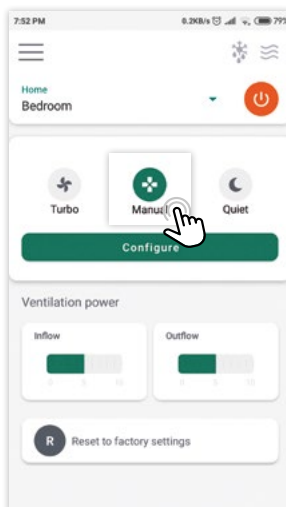
A feature of the mode is the possibility of manual separate speed control of supply and exhaust fans according to your needs.

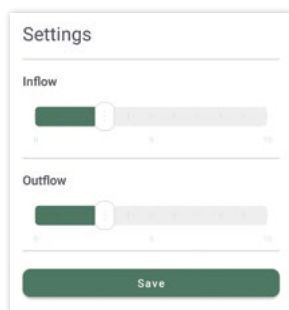
Functions and purpose of the «Manual» mode

The «Manual» mode is useful when:

- fine adjustment of the inflow and outflow speeds is necessary to ensure the required level of silence and comfort;
- only an air exhaust or only an air supply is needed;
- the operation of the recuperator at fixed speeds is needed.

To set the required fan speeds, press the «Configure» button.

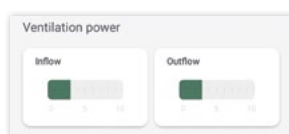




There are 11 fan speeds available (0 to 10). Number «0» turns off the fan. Number «10» sets the maximum speed.

Select the required fan speeds in the «Settings» window and press «Save».

To set the device to operate only for air exhaust or only for air supply, set the speed «0» for the corresponding fan and a speed from 1 to 10 for the other and press «Save».



The current fan speeds will be displayed in the «Ventilation power» section on the home screen of the app.

«Turbo» mode

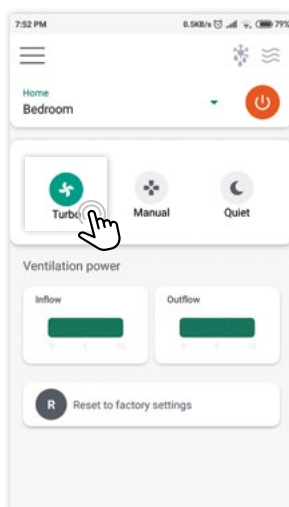
To enable the «Turbo» mode, press the corresponding button on the home screen of the app.

Purpose of the «Turbo» mode

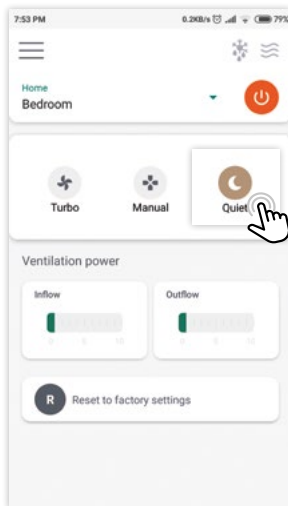
The mode is intended to ventilate the room as quickly as possible. In this mode, the supply and exhaust of the recuperator operate simultaneously at maximum speed.

The «Turbo» mode is useful:

- before you go to sleep;
- when you need to quickly get rid of bad smells in the room;
- when there is a high levels of carbon dioxide or volatile organic compounds in the room;
- when intensive ventilation of the room is required.



During the operation of the «Turbo» mode, the maximum levels of «Inflow» and «Outflow» will be displayed in the «Ventilation power» section on the home screen of the app.



«Quiet» mode

To enable the «Quiet» mode, press the corresponding button on the home screen of the app.

A feature of the «Quiet» mode is the operation of the supply and exhaust fans at low intensities to ensure a minimum noise level.

Purpose of the «Quiet» mode

The use of the «Quiet» mode is relevant in situations where comfortable quiet conditions are needed for rest, concentration or sleep. The operation of the recuperator during sleep provides a constant air supply and exhaust, which improves the quality of sleep and recovery of the human body.

In order to improve the product, the manufacturer reserves the right to make changes to its functionality and operating instructions at any time without notice. For up-to-date information, please visit the manufacturer's website at <https://klimatronik.com.ua/support>

Less viruses
Less dust
More oxygen

