FLEXIT

120856EN-06
2026-03

Roomie One WiFi V2
Roomie Dual WiFi V2

EN

Assembly and Operation Instructions

Heat recovery single-room reversible ventilation unit

ART.NR.:
120877
120878
120879
120880

Content

Safety requirements

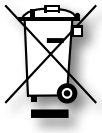
- Read the user's manual carefully prior to installing and operating the unit.
- All user's manual requirements as well as the provisions of all the applicable local and national construction, electrical, and technical norms and standards must be observed when installing and operating the unit.
- Disconnect the unit from the power supply prior to any connection, servicing, maintenance, and repair operations.
- The warnings contained in the user's manual must be considered most seriously since they contain vital personal safety information.
- Failure to follow the rules and safety precautions noted in this user's manual may result in an injury or unit damage.
- After a careful reading of the manual, keep it for the entire service life of the unit.
- While transferring the unit the User's manual must be turned over to the receiving operator.
- Check the unit for any visible damage of the impeller, the casing, and the grille befare starting installation. The casing internals must be free of any foreign objects that can damage the impeller blades.
- While mounting the unit, avoid compression of the casing! Deformation of the casing may result in motor jam and excessive noise.
- Misuse of the unit and any unauthorised modifications are not allowed.
- Do not expose the device to adverse atmospheric agents (rain, sun, etc.).
- Transported air must not contain any dust or other solid impurities, sticky substances, or fibrous materials.
- Do not use the unit in a hazardous or explosive environment containing spirits, gasoline, insecticides, etc
- Do not close or block the intake or extract vents in order to ensure the efficient air flow.
- Do not sit on the unit and do not put objects on it.
- The information in this user's manual was correct at the time of the document's preparation.
- The Company reserves the right to modify the technical characteristics, design, or configuration of its products at any time in order to incorporate the latest technological developments.
- The connection to the supply mains must be made through a means of disconnection, which is incorporated in the fixed wiring in accordance with the local wiring rules.
- Precautions must be taken to avoid the back-fiow of gases into the room from the open fiue of gas or other fuel-burning appliances.
- **WARNING! Similar to the use of any other household electrical appliances when operating this fan, the following basic rules must be followed:**
- Never touch the unit with wet or damp hands.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a safety hazard.

This user's manual is a main operating document intended for technical, maintenance, and operating staff. The manual contains information about purpose, technical details, operating principle, design, and installation of the Roomie One Wifi and Roomie Dual Wifi unit and all its modifications.

Technical and maintenance staff must have theoretical and practical training in the field of ventilation systems and should be able to work in accordance with workplace safety rules as well as construction norms and standards applicable in the territory of the country.

DANGER!
When a text bears this symbol, it means that personal injury or serious damage to the equipment may result if the instructions are not followed.

CAUTION!
When a text bears this symbol, damage to equipment or poor efficiency may be the consequence of not following the instructions.



The right to give notice of lack of conformity applies to this product in accordance with the existing terms of sale, provided that the product is used correctly and maintained.
Filters are consumables.

The symbol on the product shows that this product must not be treated as household waste. It must be taken to a collection point for recycling electrical and electronic equipment.
By ensuring correct disposal of the equipment, you will contribute to preventing negative consequences for the environment and health that incorrect handling may entail. For further information on recycling of this product, please contact your local authority, your refuse collection company or the company from which you purchased it.

Notice of lack of conformity as a result of incorrect or defective installation must be submitted to the installation company responsible. The right to give notice of lack of conformity may lapse if the system is used incorrectly or maintenance is grossly neglected.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the
appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.

The product is not suitable for use by children. Children must not be allowed to play with the appliance. Children must not carry out cleaning or maintenance without supervision.

Our products are subject to continuous development and we therefore reserve the right to make changes.

We also disclaim liability for any printing errors that may occur.

1. Purpose

The unit is designed to ensure continuous mechanical air exchange for singel rooms in houses, apartments and commercial buildings.
The units are designed for indoor use.
The unit is equipped with a ceramic regenerator that enables supply of fresh filtered air heated by means of extract air heat energy regeneration.
The unit is designed for through-the-wall mounting.

DANGER!
The choice of unit installation location must prevent unauthorized access by unattended children.

The unit is rated for continuous operation.
Transported air must not contain any flammable or explosive mixtures, evaporation of chemicals, sticky substances, fibrous materials, coarse dust, soot and oil particles or environments favourable for the formation of hazardous substances (toxic substances, dust, pathogenic germs).

DANGER!
Turn off the unit if the air temperature is outside the temperature range stated in the technical data.

2. Delivery set

Name	Quantity	
	Roomie One WiFi	Roomie Dual WiFi
Indoor unit with power cable	1 pc.	1 pc.
Wall duct	1 pc.	1 pc.
Airflow separator	-	3 pc.
Sound-absorbing material	1 pc.	-
Fan unit	1 pc.	-
Heat recovery unit	1 pc.	-
Combined fan and heat recovery unit	-	1 pc.
Outdoor cover	1 pc.	1 pc.
Remote control	1 pc.	1 pc.
Cardboard template	1 pc.	1 pc.
Mounting kit	2 packages	2 packages
Polystyrene wedges	1 kit	1 kit
Quick guide	1 pc.	1 pc.
Installation instructions for outdoor cover	1 pc.	1 pc.
Packaging	1 pc.	1 pc.

3. Technical data

The temperature in the room where the indoor unit of the unit is installed must be in the range from +1˚C to +40˚C with relative humidity up to 80% (no condensation buildup).

If the conditions for using the ventilator are beyond the specified limits, turn off the ventilator. Provide fresh air supply through windows.
The temperature of the transported air shall be according to stated operating temperature.

The unit is rated as a class II electric appliance.

Due to on going developments some models can deviate from what is being described in this manual

	Roomie One WiFi			Roomie Dual WiFi		
Speed	I	II	III	I	II	III
Power consumption (W)	5,0	6,0	8,5	2,17	3,66	6,62
Current (A)	0,035	0,040	0,059	0,026	0,039	0,066
Voltage (V/50–60 Hz)	100–240 V					
Filter class	ISO Coarse					
Ingress protection	IP 24					
Operating temperature*	–20 °C to +40 °C			–15 °C to +40 °C		
Wall thickness**	307–500 mm **			280–500 mm		

*Variations in temperature and humidity may cause refreezing at higher temperatures than specified.

**For thinner walls, separate covers can be used (accessories).

In case of refreezing: remove the cassette containing the heat recovery unit and the fan, and allow it to thaw at room temperature. Do not restart room ventilation if temperature and humidity conditions remain unchanged. Alternatively, select a ventilation mode that reduces indoor humidity and the risk of refreezing. The airflow will then operate continuously in one direction.

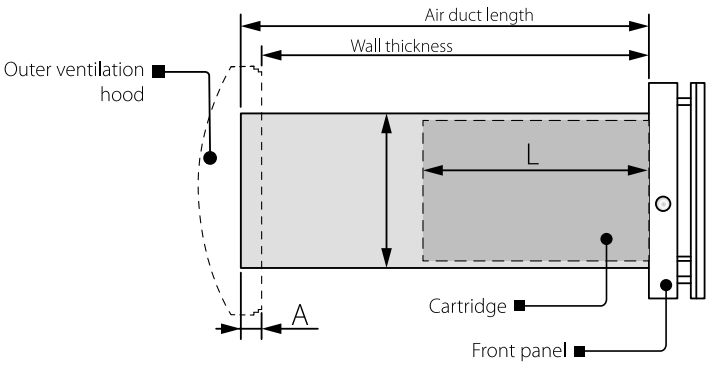
For Roomie Dual, activation of the built-in humidity sensor will run extract air with both fans at maximum speed until the humidity level has dropped below the set value.

Additional technical information is available in the datasheet at www.flexit.se.

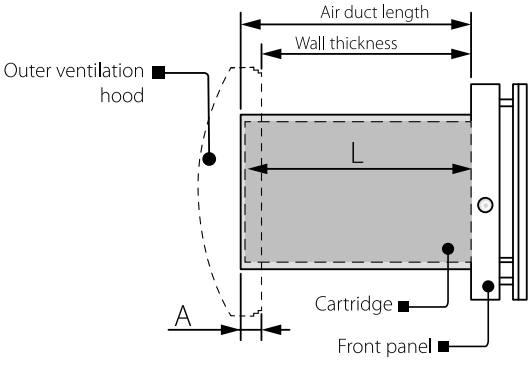
WiFi Technical data	
Standard:	IEFE 802.11 b/g/n
Frequency band [GHz]	2,4
Transmission power [mW] (dBm)	100 (+20)
Network	DHCP
WLAN safety	WPA, WPA2

Dimensions

Wall thickness is above the minimum



Wall thickness is minimal



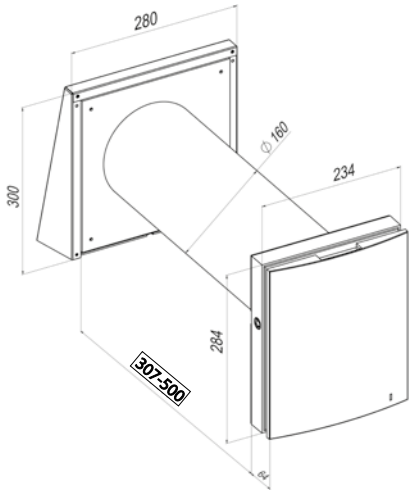
Air duct length [mm]	
Roomie One WiFi	Roomie Dual WiFi
307* (210**) - 500	280–500

* Without Fine filter holder and insulation mat.
** With hood for thinner walls (accessories), removed Fine filter holder and insulation mat.

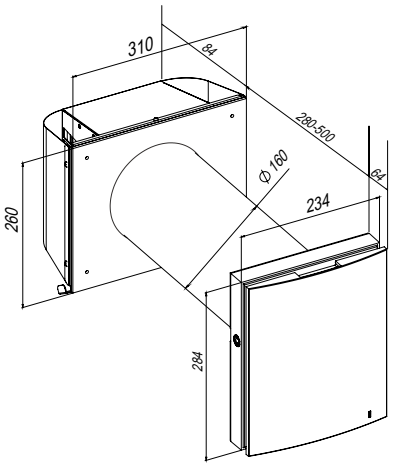
L = Cartridge with heat exchanger. This determines the minimum length of the duct and varies between the different models.

A = Duct length out through the outer wall is specified in the installation instructions for the outer hood. This varies between the different models.

Roomie One WiFi

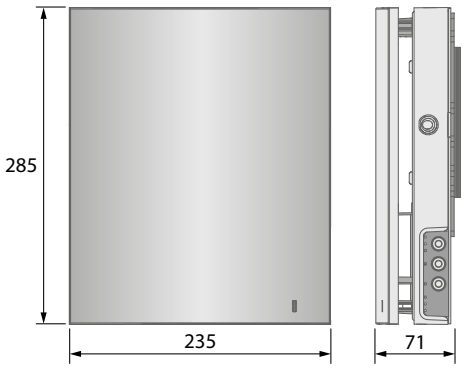


Roomie Dual WiFi

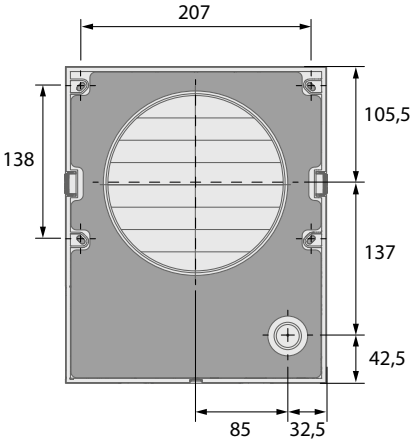


Overall dimensions of the indoor assembly unit [mm]

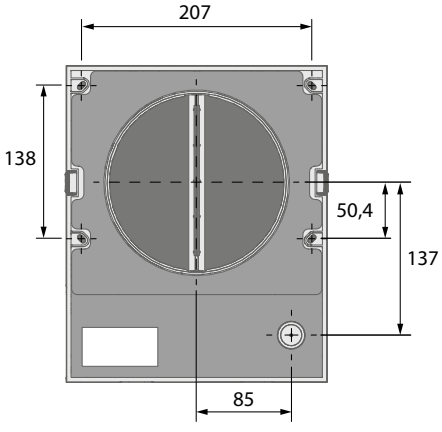
Front



Roomie One WiFi
Back side (facing the wall)



Roomie Dual WiFi
Back side (facing the wall)



4. Design og funksjon

Roomie One WiFi

The ventilator consists of a wall duct with a heat recovery unit, fan unit, filters, filter holder and sound dampening material. It has a decorative indoor unit with air shutters and an outer hood in aluminium.
The air shutters in the indoor part is closed when the ventilator is switched off and prevents cold air from entering into the room.

Roomie Dual WiFi

The ventilator consists of an indoor unit with a decorative front panel and filters, a cartridge, an air duct with air flow separators and an outer ventilation hood.

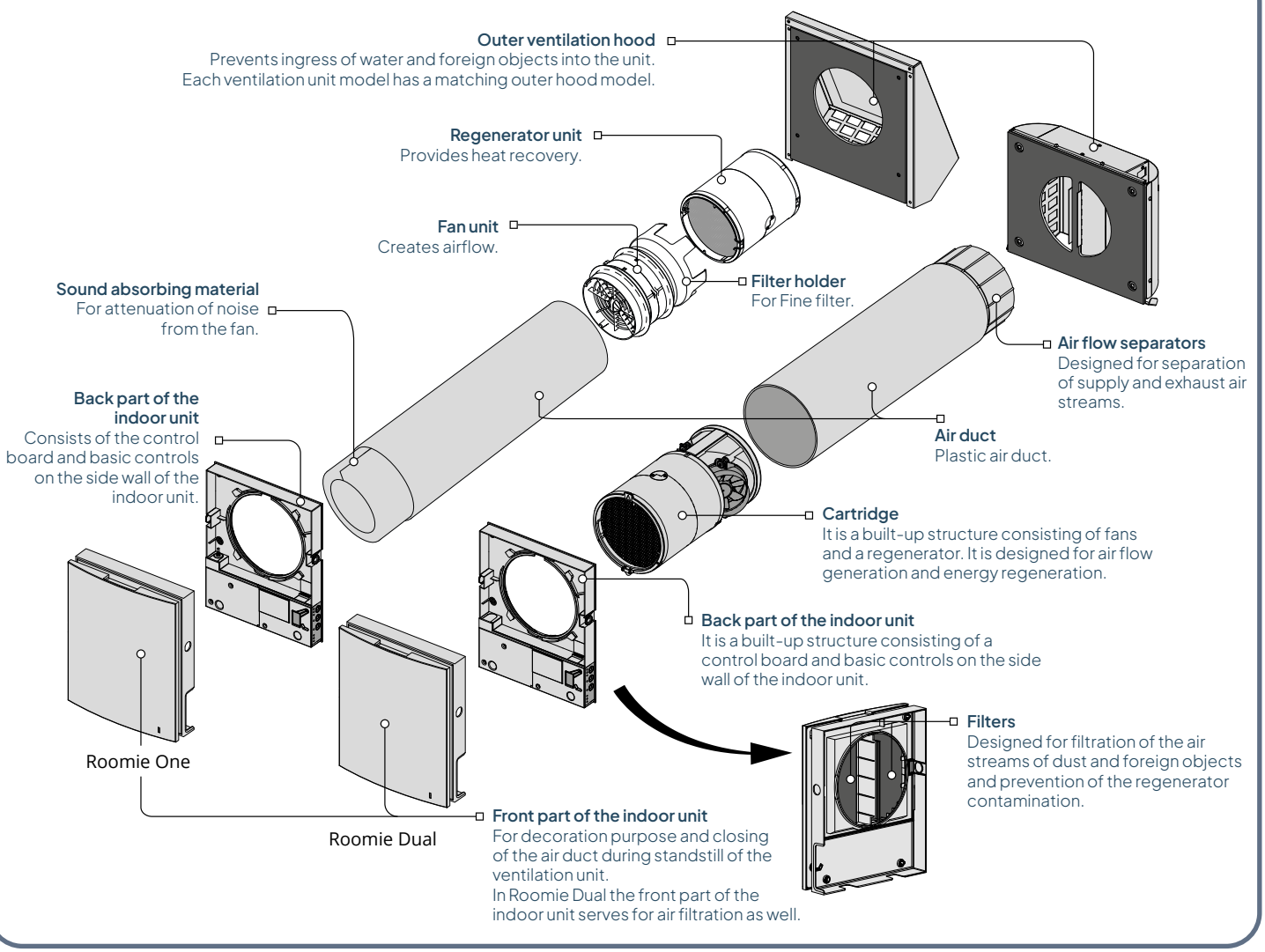
The filters ensure rough air filtration and prevent ingress of dust and foreign objects into the cartridge.

The cartridge is a basic functioning part of the ventilator.

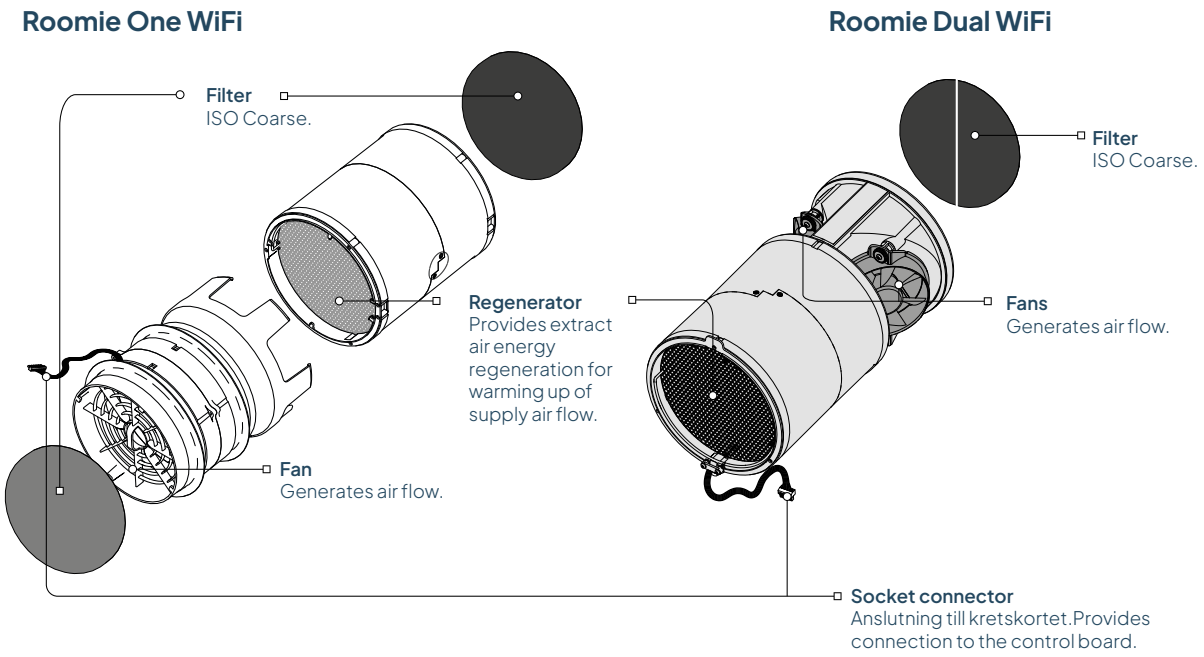
It consists of two fans and a regenerator.

The outer ventilation hood is used to prevent direct ingress of water and other objects to the ventilator.

Ventilation unit design



Cartridge design



Roomie One WiFi has a cartridge with heat exchanger, removable filters, filter holder for Fine filter (accessories) and fan unit.

Roomie Dual WiFi has a cartridge with heat exchanger, integrated fans and removable outer filters.

A socket connector to be connected to the control board in the back part of the indoor unit is routed from the cartridge.

Roomie One WiFi operation modes

Ventilation - the ventilator runs either in air exhaust mode or air supply mode at a set speed.

In this mode some of the ventilators in the network run in the air supply mode and the other ones in air exhaust mode, depending on the position of the DIP switch No. 3 (See section DIP switch positions)

Air supply (only available from a mobile device) - all ventilators in the group supply air regardless of the position of the DIP switch #3 (see the section "DIP switch positions").

Regeneration. The ventilation unit operates in reversible mode with heat and humidity regeneration in two cycles.

Cycle I. Warm stale air is extracted from the room. As it flows through the regenerator, it heats and moisturizes the regenerator, transferring heat energy. In 70 seconds as the ceramic regenerator gets warmed the unit is switched to supply mode.

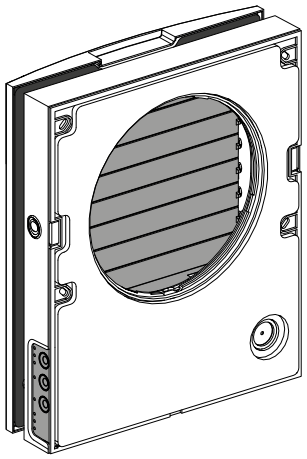
Cycle II. Fresh intake air from outside flows through the ceramic regenerator and absorbs accumulated moisture and heat up to the room temperature. In 70 seconds after cooling of the ceramic regenerator the unit is switched to extract mode and the cycle is renewed.

Boost - the ventilator goes to the maximum speed without changing the operation mode.

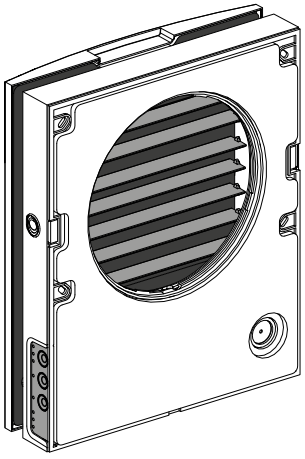
Functioning of Roomie One WiFi shutters

The indoor unit is equipped with air shutters.
During the unit operation the shutters open to let the air stream flow freely though the unit.
After the unit shutdown the shutters close within 2 minutes.

Shutters are closed.



Shutters are open.



Back side (facing the wall)

Roomie Dual WiFi operation modes

The ventilator has three operation modes:

Ventilation - one of the fan fans exhausts air and the other supplies air at the selected speed without changing the direction

Regeneration - one of the fans of the ventilator operates in the exhaust mode, while the other one operates in the supply mode. Each fan operates in the reverse mode with heat and moisture regeneration, cyclically changing the direction of air flow.

Boost - when the sensor is triggered, the ventilator executes one of two operation algorithms, which are set when setting up the ventilator using the DIP switch No. 3 (see the section "DIP switch position").

The DIP switch No. 3 is in the OFF position - the ventilator operates in the exhaust mode at the third speed (both fans are working to extract air).

The DIP switch No. 3 in the ON position - the ventilator operates at maximum speed without changing the operating mode.

Humidity sensor

The ventilators are equipped with an air humidity sensor and terminals for connecting an external 0–10 V analogue sensor and an external normally open contact (relay sensor). When either of these devices is triggered, the ventilator switches to the maximum speed (Boost mode).

When the sensors return to their original position, the Boost mode turn-off delay timer starts.
In the relevant sections of the Vents Home mobile application, you can configure the following ventilator operation parameters:

- enable or disable the humidity sensor, 0–10 V analogue sensor, and relay sensor;
- set the threshold for the humidity sensor and 0–10 V analogue sensor;
- set the duration of the Boost mode turn-off delay (30 minutes by default);
- set the duration of the first speed timer ("Night mode") (8 hours by default);
- set the duration of the third speed timer ("Party mode") (4 hours by default).

If necessary, in the "Schedule of the Flexit Fans mobile application" section, you can set different speeds of the ventilator at different time intervals by day of the week.
For the weekly schedule to work correctly, you must set the current date and time correctly in the "Date and time" section.
When simultaneously activating several operation modes that exclude each other, the ventilator selects the mode according to the following priority:

1. Night mode timer or Party mode timer.
2. Standby.
3. Boost.
4. Weekly Schedule.
5. Standard operation mode.

5. Mounting and set-up

DANGER!
Read the user´s manual prior to mounting the unit.

CAUTION!
Do not block the air duct of the installed unit with dust accumulating materials, such as curtains, cloth shutters, etc. as it prevents air circulation in the room.

CAUTION!
Roomie One Wifi: Before you fit the front panel, you must ensure that the rod for the damper is in the lowest position and that the warning lamp is off for at least two minutes.

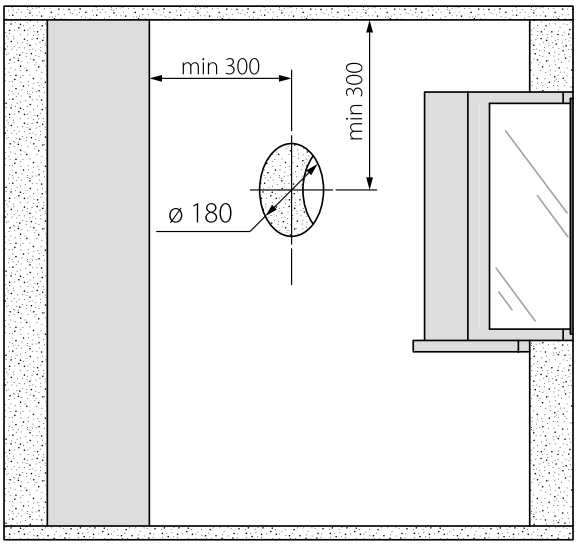
1

Prepare a round core hole in the outer wall.

Recommended hole dimension is Ø180 mm.

While preparing a core hole make preparations for layout of the power cable and other required cables.

Recommended min. distance to wall/ceiling or other installations which can affect the airflow is 300 mm.



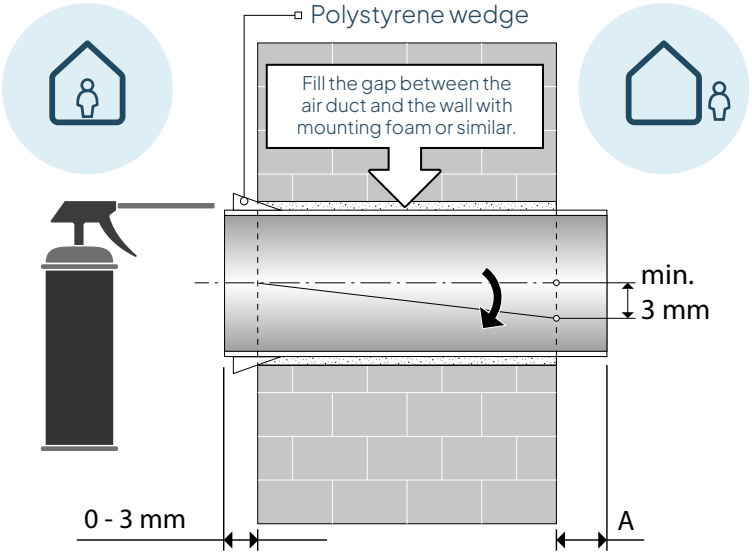
2

Insert the air duct in the wall using the supplied polystyrene wedges. The telescopic air duct end must protrude for the distance that enables installation of the outer ventilation hood.

Install the air duct in the wall in such a way as shown on the right. Fit the air duct with at least a 3 mm gradient outwards. On the outer wall side the air duct end must protrude to a distance that enables installation of the outer ventilation hood.
The **distance A** is stated in the installation manual for the outer hood.

Adjustment of the air duct length is possible before and after fixation of the air duct in the wall. In the first case the required length must be calculated before mounting and in the second case sufficient access must be provided to cut the air duct length after its installation from outside.

Make sure that moisture cannot permeate into the opening in the external wall. Use a suitable sealant.



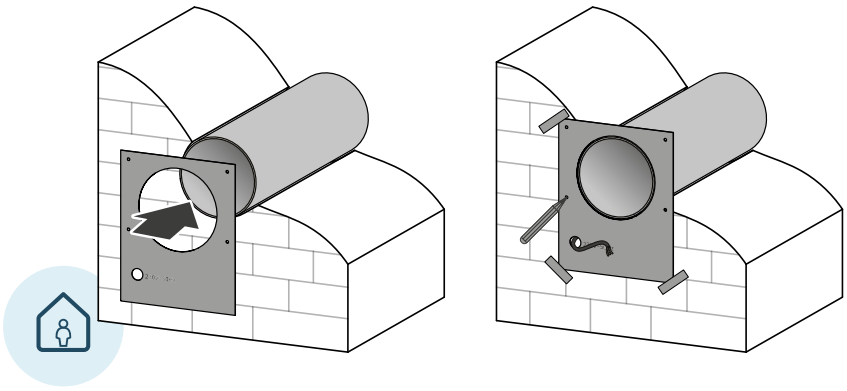
3

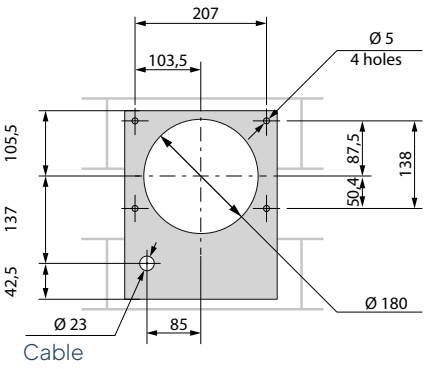
Stick the supplied cardboard template on the inner wall using a sticker.

Use a builder's level for horizontal alignment of the mounting template. Mark the openings for dowels from the fastening kit and drill holes to a required depth.

For concealed electrical installation, lead the power cable through the marked opening in the mounting template.

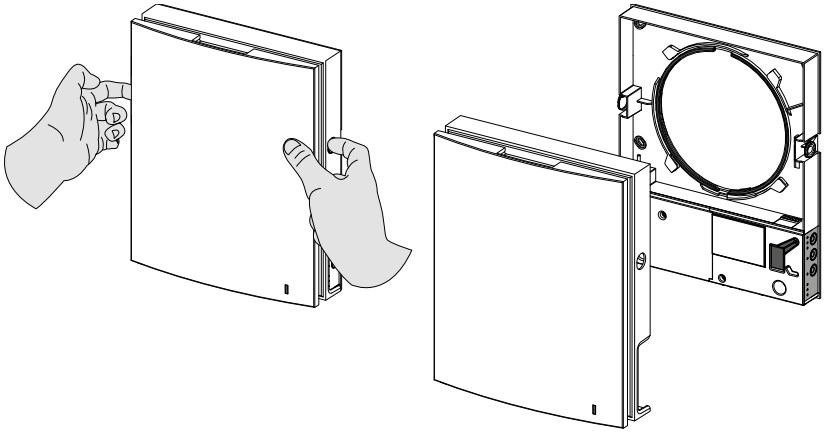
Hole marking for fasteners of the unit, mm

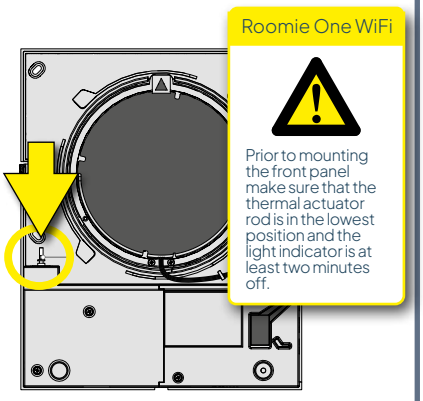




4

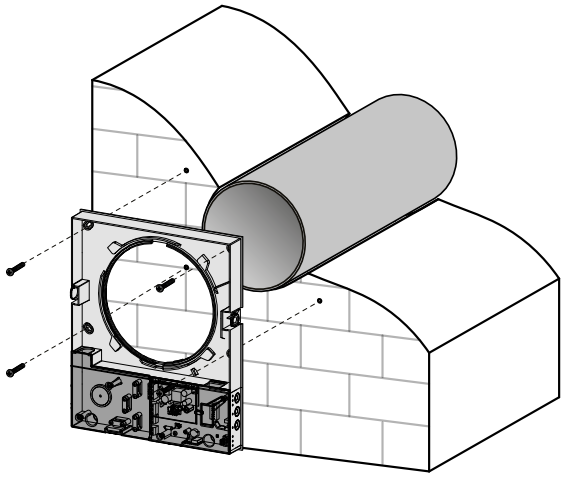
Press the side tabs to detach the front part of the indoor unit from its back part.



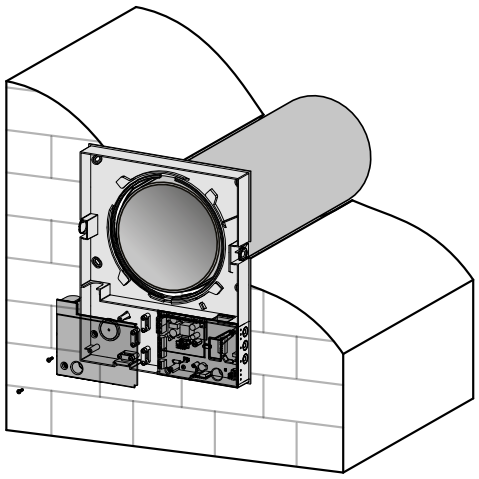


5

Fix the back part of the indoor unit on the wall with the supplied screws. Remove the two screws from the left transparent cover to enable access to the terminals.

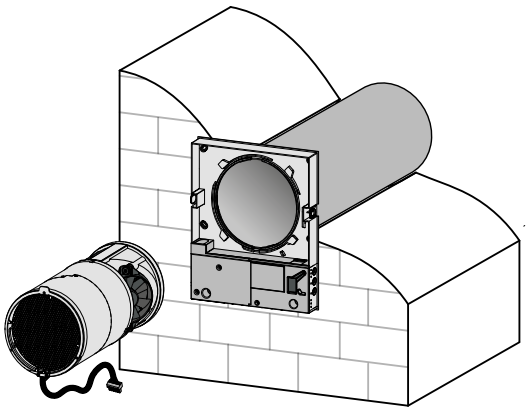


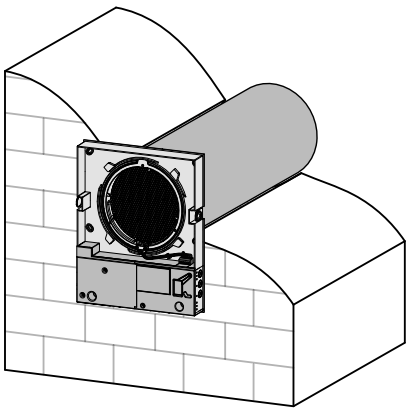
NB! Changing the connection must be done by an authorized electrician.

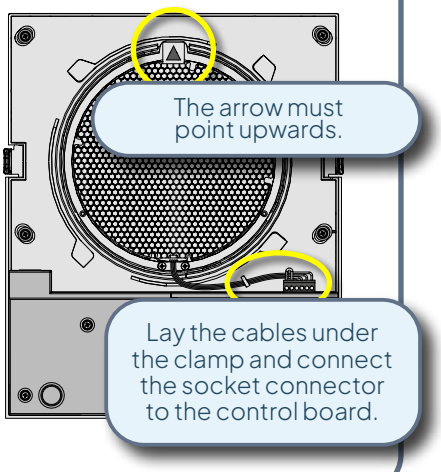


6

Insert the cartridge in the air duct as shown below. Be sure the pointer is directed upwards. Then fix the wire with the retaining clip and connect the connector to the control board.

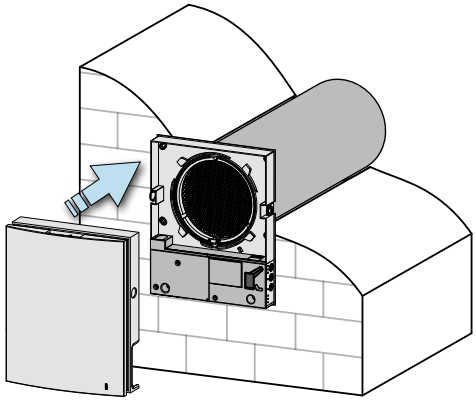


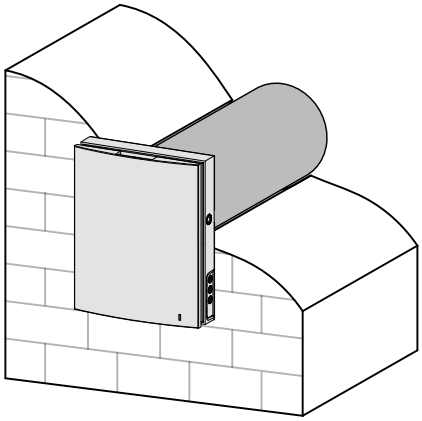




7

Install the front part of the indoor unit.



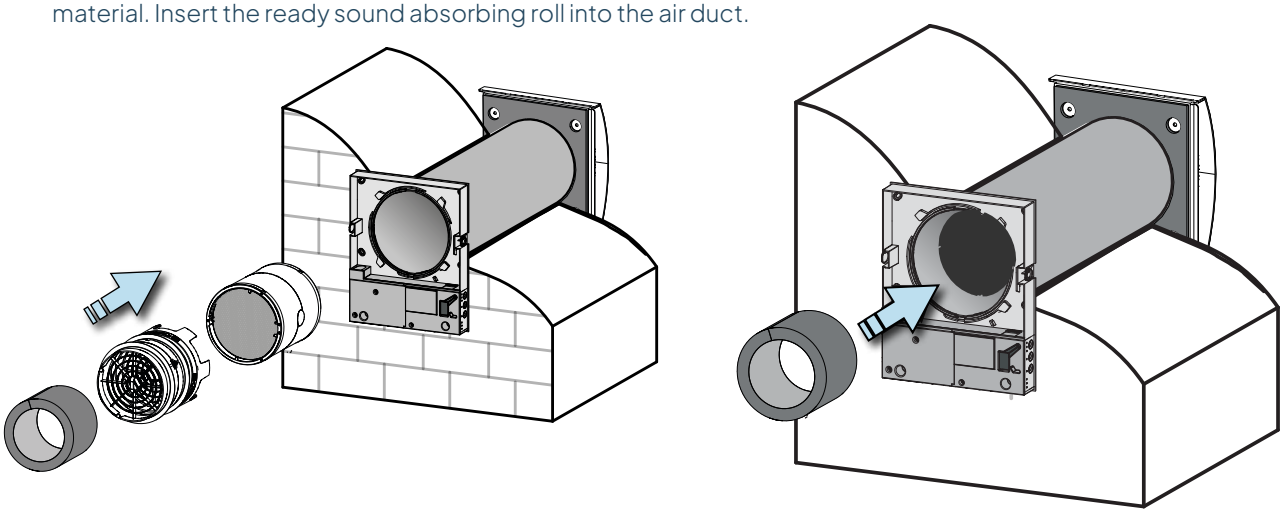


8

Roomie One WiFi:

Install the regenerator unit and fan unit into the air duct as figured. Then fix the wire with the retaining clip and connect the connector to the control board.

Insert the sound-absorbing material into the air duct. Roll the layer of the sound absorbing material to match the air duct diameter. Insert the sound absorbing roll against stop. Cut off the excess part of the sound absorbing material. Insert the ready sound absorbing roll into the air duct.



9

Roomie Dual WiFi

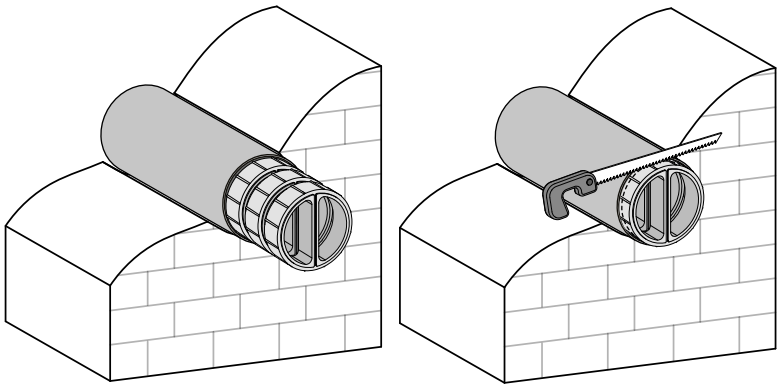
Install the sectional air flow separators from the outside.

Install a required quantity of the air flow separators in the air duct until it bumps up the cartridge.

Mark the last air flow separator to be flush with the air duct face, remove it from the air duct and cut the excessive part of the last air flow separator.

Tighter fixation is provided if the air flow separator protrudes to some distance.

Install the adjusted air flow separators to the air duct.



The unit comes with a pre-wired power cable which means that no additional electrical installation is necessary on the unit for it´s basic function.

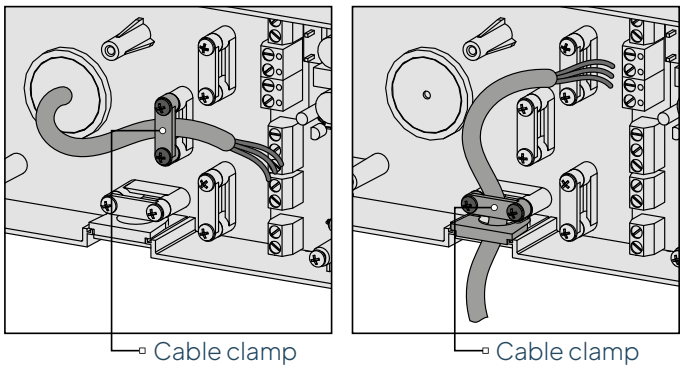
DANGER!
Disconnect the unit from power supply prior to any electric installation operations.

DANGER!
The rated electrical parameters are stated on the rating plate.
Any tampering with the enternal connections is prohibited and will void the warranty.

DANGER!
The following installation shall only be performed by a professional electrician according the instruction in the user manual.

Changing the cable inlet. It is possible to change the cable inlet from underneath the unit to the back.

Any connections in the terminal according to the external wiring diagram.



The unit is rated for connection to single-phase AC 100–240 V/ 50–60 Hz power mains.

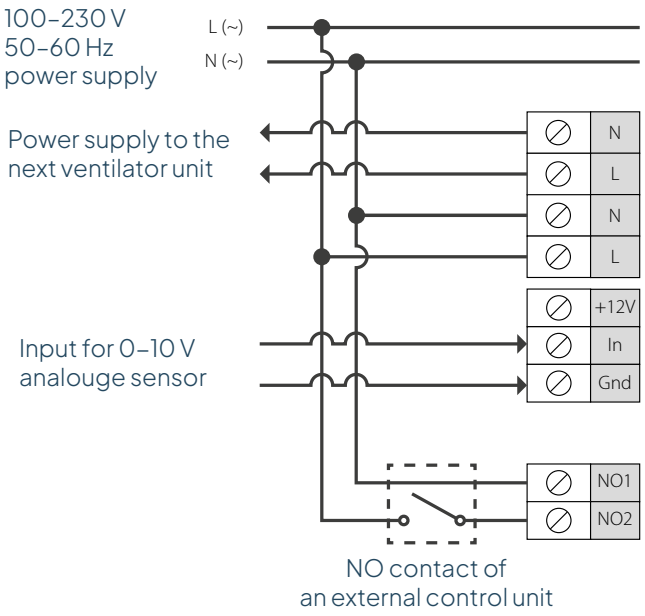
The units shall be installed according to current laws and regulations.

The ventilator design enables connecting any external controls with a normally opened contact (NO-contact), such as an external CO2 sensor, humidity sensor, relay switch, etc.

When the contacts of the NO contact of the external device are closed, the unit changes to maximum speed.

An analogue sensor with output voltage 0–10 V is also compatible with the unit. When this is activated the ventilator switches to high speed.

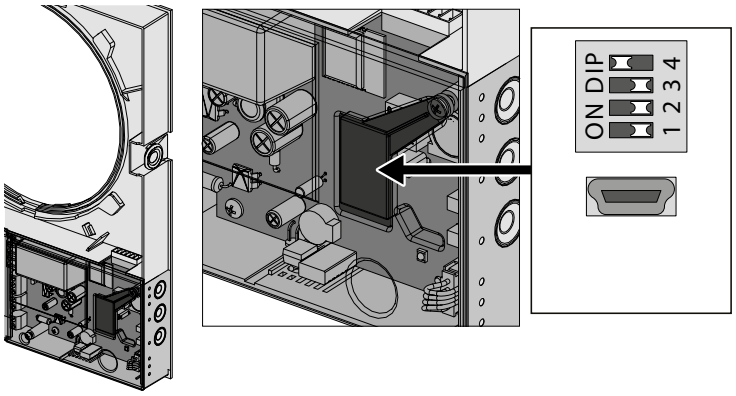
Wiring diagram



Ventilation unit set-up

DIP switches.

You can access the DIP switches by removing the front part of the internal part and lifting up the rubber cover.



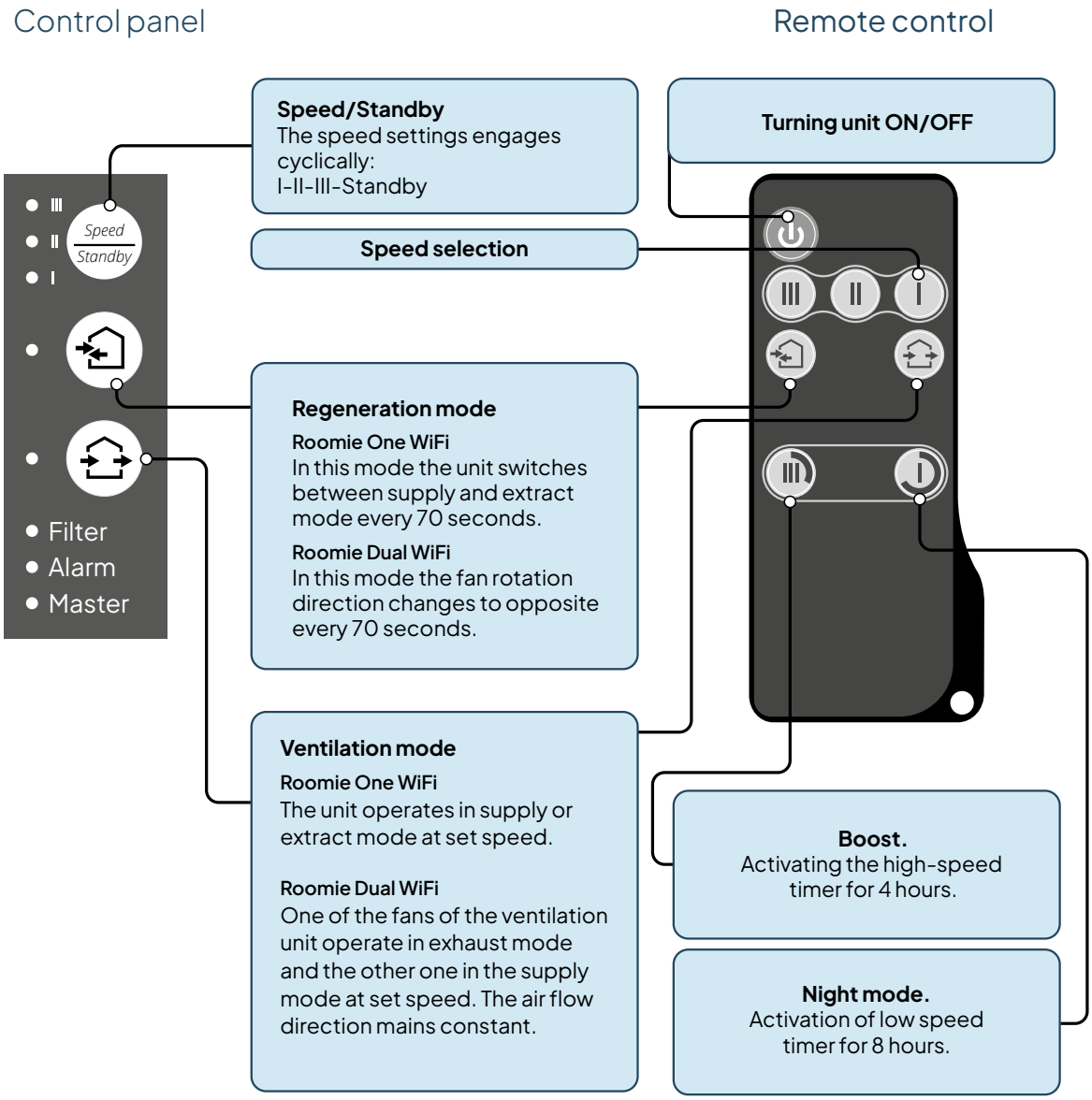
Positioning of the dip switch

Setup of ventilator operation mode	
1	OFF: Master unit
1	ON: Slav unit
Standby mode setup	
2	OFF: The ventilator is off in the Standby mode.
2	ON: The ventilator is running at the first speed in the Standby mode.
Setup of air flow direction in Ventilation mode with running ventilators for Roomie One WiFi	
3	OFF: The ventilator runs in the extract mode.
3	ON: The ventilator runs in the supply mode.
Setup of Boost mode (actuation of any sensor) for Roomie Dual WiFi	
3	OFF: After sensor actuationthe ventilator runs in the extract mode at the third speed.
3	ON: After sensor actuation the ventilator runs in the current mode at the third speed.
Reset to factory settings	
4	OFF: Standard operation mode.
4	ON: Reset to factory settings. Turn the switch to position ON while the ventilator is running. After the sound signal turn the switch to the position OFF.

6. Unit control

The ventilation unit may be operated with the following controls:

- infra-red remote controller;
- control buttons located on the side wall of the indoor unit. For details, refer to the figure below.
- The application "Flexit Fans" from a mobile device (smartphone or tablet).



Operation of the ventilation unit with the buttons on the indoor unit	
Speed / Standby	**Speed:** The speed selection sequence is as follows: I-II-III-Standby. All the units integrated in a single network operate according to the speed settings of the Master unit. **I:** Permanent glowing of the lamp indicator indicates operation of the unit with low speed. Blinking of the lamp indicates activation of the Night mode timer. **I and II:** Permanent glowing of the lamp indicators I and II indicates operation of the unit with medium speed. **I, II and III:** Permanent glowing of the lamp indicators I, II and III indicates operation of the ventilation unit with high speed. Blinking of the lamp indicators I, II and III indicates activation of the timer for Party mode or the turn-off delay timer. triggered by any connected external sensors or the integrated humidity sensor. Alternate blinking of the lamp indicators I, II and III indicates operation of the ventilation unit at a set speed according to the settings of the connected mobile device.
	**Regeneration mode:** Roomie One WiFi The fan rotation direction changes every 70 seconds. Roomie Dual WiFi The fans rotation direction changes to opposite every 70 seconds.
	**Ventilation mode:** **Roomie One WiFi** The ventilator operates in the supply or extraction mode at a set speed. The fan rotation direction depends on the position of DIP-switch No. 3. **Roomie Dual WiFi** One of the fans of the ventilation unit operates in the extract mode and the other one operates in the supply mode at set speed. The air flow direction mains constant.
No glowing of the indicator lamps «Regeneration» and «Ventilation» indicates forced operation of the ventilation unit in the supply mode. This mode may be activated only via the mobile application.	
Filter	**Filter replacement indicator:** 90 days after installation of the cartridge the filter replacement indicator starts glowing. In this case replace or clean the filters as described in Maintenance section. After the filters have been changed/cleaned, reset the timer using the mobile app or by pressing and holding the regeneration mode button on the control panel for about 5 seconds until a sound signal is heard. 
Alarm	**Alarm indicator.** In case of failure, the Alarm indicator on the indoor unit glows or blinks. Reasons of alarm blinking: • Battery charge is below the allowable limit. • No connection between the Master unit and the router. • Alarm shutdown of a ventilator. If several interconnected ventilators are running in the same network, in case of alarm shutdown of one Roomie One WiFi ventilator, all the other ventilators of this series also stop. The alarm indicator on the defective ventilator blinks and glows on other stopped connected ventilators. All the ventilators of the Roomie Dual WiFi series in the network continue to run. In case of emergency shutdown of the Roomie Dual WiFi ventilator, the defective ventilator does not influence the operation of other connected ventilators in the network. In case of communication loss of the Master unit with the router longer than 20 seconds, the Master unit goes to the Standby mode (blinking Alarm indicator) and the Slave units will communicate communication loss with the Master unit (see the description of the Master indicator). After resumption of the connection the Slave units automatically get synchronised with the Master unit.
Master	**Master/Slave:** Permanent glowing of the lamp indicator indicates the leading unit in the network (Master unit). Blinking of the indicator indicates the driven unit (Slave) and no connection to the Master unit. No glowing of the lamp indicator means that this ventilation unit is a Slave ventilation unit and it is connected to the Master unit.
Synchronous blinking of all the lamp indicators on the casing of the ventilation unit indicates activated setup mode.	

Remote control of the ventilation unit

ON/Standby:
The Standby mode depends on the position of the DIP switch 2 (see section DIP switch positions).
The same button is used to reset alarms (Alarm) and to turn off the timers.

Speed selection:
High-medium-low respectively.

Regeneration mode:

Roomie One WiFi
Rotation direction of the fan changes once in 70 seconds. Heat regeneration is accomplished in the Regeneration mode. The fan rotation direction depends on the position of the DIP switch 3.

Roomie Dual WiFi
Rotation direction of the fans changes once in 70 seconds. Heat regeneration is accomplished in the Regeneration mode.

Ventilation mode:

Roomie One WiFi
The ventilator runs in the extract or in the supply mode at the set speed. The fan rotation direction depends on the position of the DIP switch 3.

Roomie Dual WiFi
One fan runs in the extract mode and the other one in the supply mode at the same speed. The air direction is not changed.

Timer control button:

Party mode: The timer activates operation of the unit at high speed for a set time period, 4 hours by default. The setting may be edited during setup of the unit or using the mobile application.

Nighr mode: The timer activates operation of the ventilation unit at low speed for a set time period, 8 hours by default. The timer setting may be changed during setup of the unit or using the mobile application.
The ventilation unit reverts to operation with a previous speed setting upon elapse of the set time period.
Press any speed setting key to deactivate the timer or press the timer control button once again.

7. Connecting Roomie in the app

Room ventilator Aura One can be controlled via an app on a mobile phone or tablet.

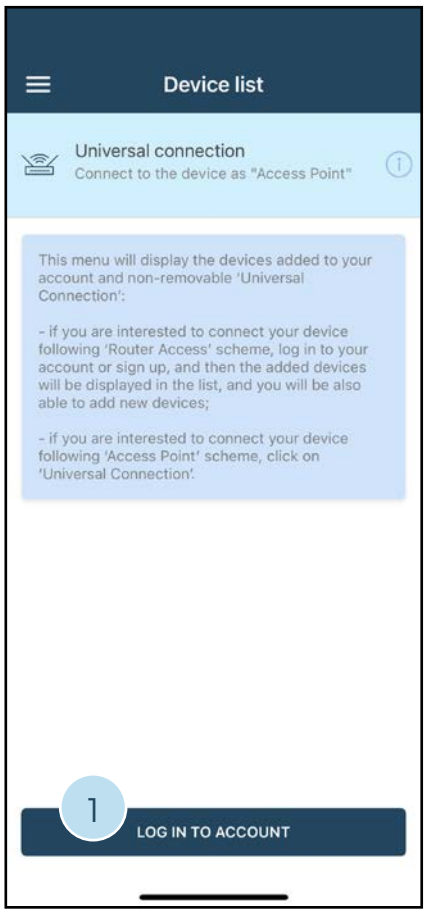
Download the Flexit Fans app by scanning the QR code below:

Flexit Fans – App Store

Flexit Fans – Google Play

With the Flexit Fans app, you get access to all functions. You can, for example:

- Adjust sensors
- Set fan speeds
- Monitor the room ventilator's operation and status



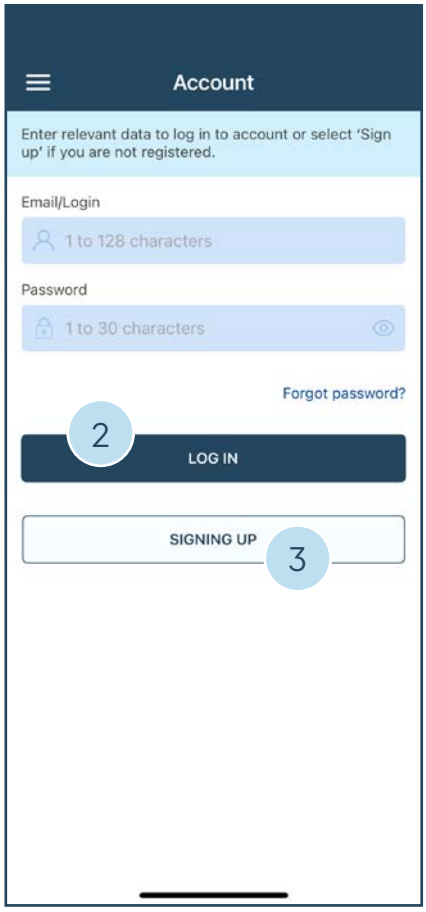
Account registration

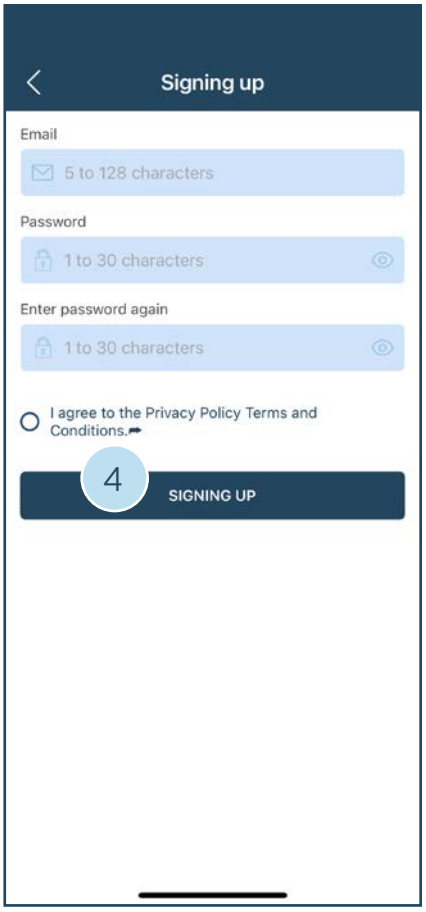
1. Tap LOG IN TO ACCOUNT below the device list.

2. If you already have an account, enter your details and tap LOG IN.

3. If you do not have an account, tap REGISTER.
   - Enter your email address and desired password.
   - Tick the box to accept the terms and conditions.

4. Tap REGISTER.

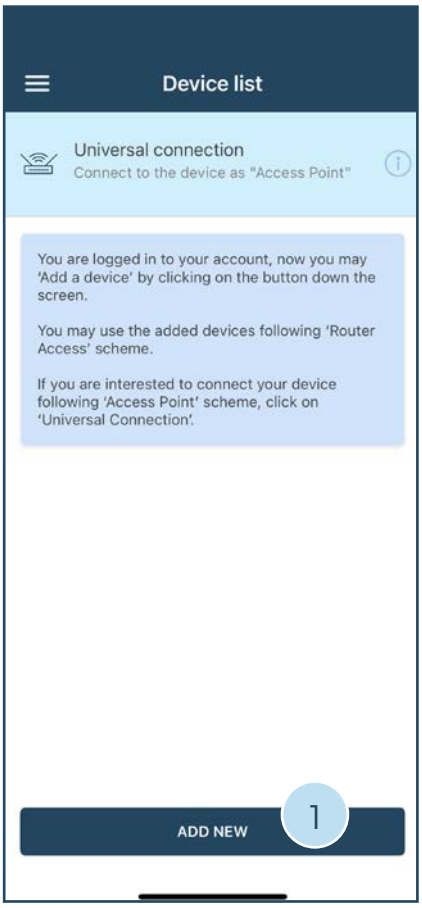


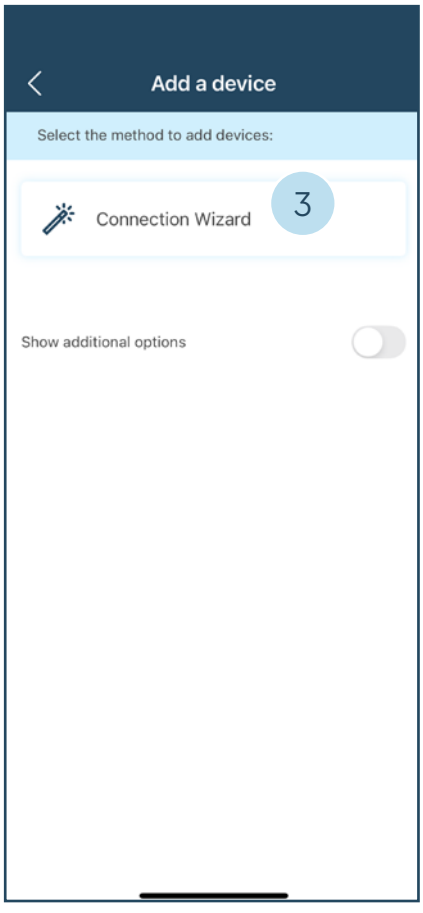


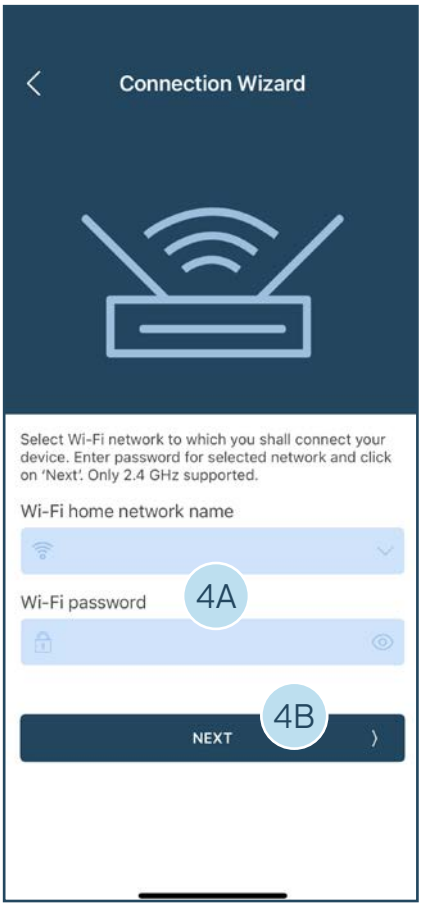
Connecting Roomie

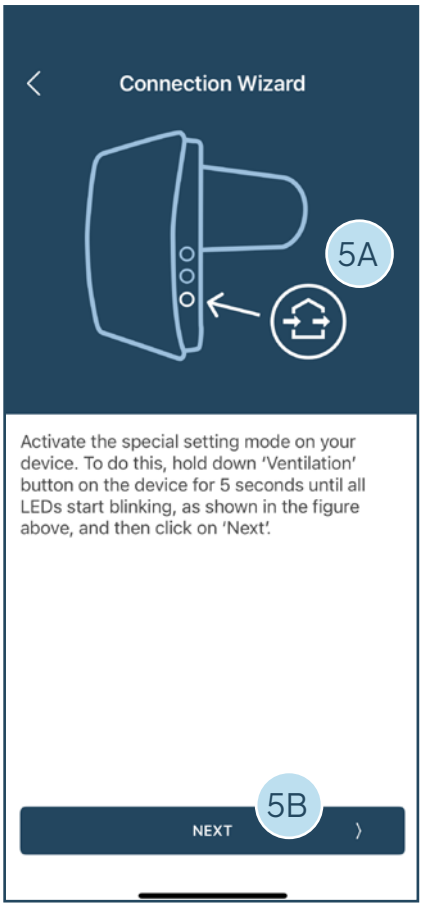
1. Tap ADD NEW under Device list.
2. Tap ROOMIE V2 / AURA.
3. Tap CONNECTION GUIDE.
4. **A.** Select your home Wi-Fi network and enter the network password.
   B. TTap NEXT.

   Note: *The device can only be connected to a 2.4 GHz Wi-Fi network.*









5 **A.** Enable Setup mode on the product by pressing and holding the **Ventilation button** for 5 seconds, until it beeps and all indicator lights start flashing.
B. Tap NEXT.

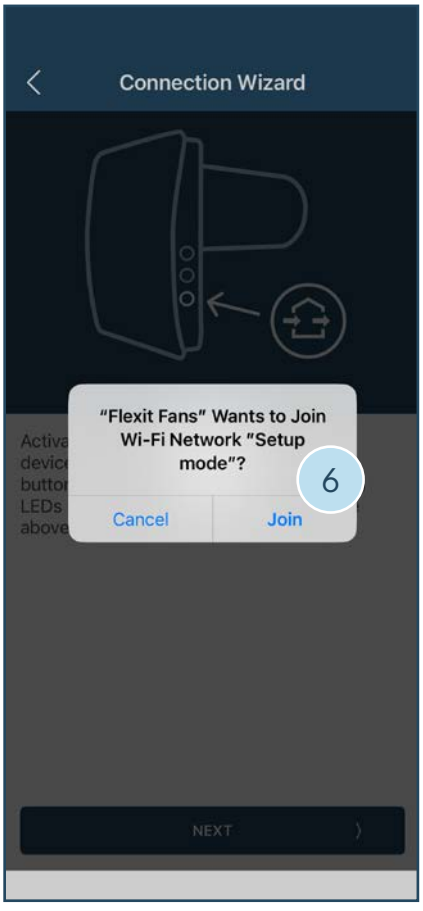
6 A pop-up window will now appear asking whether you want to connect to the "Setup mode" network. This is the network created by the product and is used to complete the installation. Tap CONNECT.

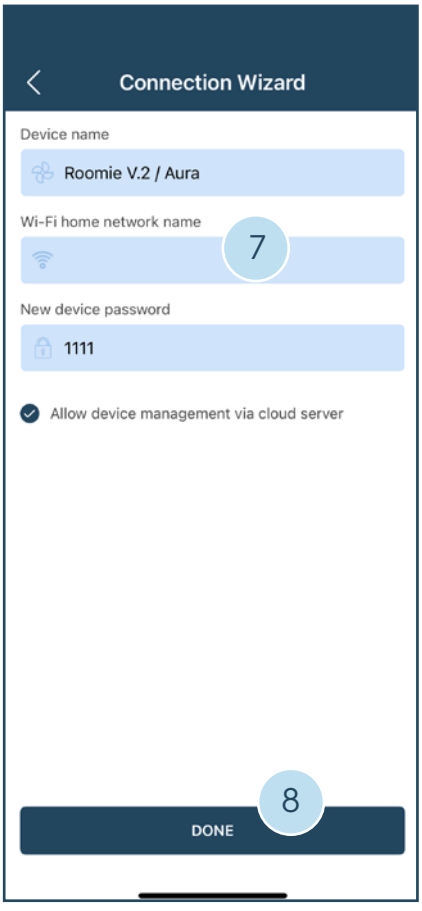
7 Enter the preferred device name and password, or use the default settings already pre-filled.

The option "**Allow device administration via cloud server**" must be enabled in order to control the product outside the home network.

If this option is not enabled, the product can only be controlled when the mobile phone or tablet is connected to the home network.

8 Tap DONE. The product will now take approximately 30 seconds to connect to the network selected in step 4. During this time, the phone will automatically reconnect to the home network.





Wireless connection of multiple room ventilators

Setup of multiple ventilators in a network

The room ventilators can be configured in a network with two or more units where one functions as the Master and the others as Slaves.

Master unit

The ventilator operates as the master unit. The slave units and the mobile device connect to the master unit via the WiFi connection.
The master unit is controlled via the mobile app, the remote control, or the sensor buttons on the control panel.
The control signal is automatically transferred to all slave units in the network.
In this mode, the ventilator receives signals from the sensors (humidity sensor, external sensor, or external analog 0–10 V sensor) and switches to the corresponding operating mode.

Slave unit

The unit operates as a slave in the network. The ventilator responds only to control signals from the master unit; all other control signals are ignored. In this mode, the ventilator also ignores its own sensor signals. If communication with the master is lost for more than 20 seconds, the ventilator switches to standby mode.

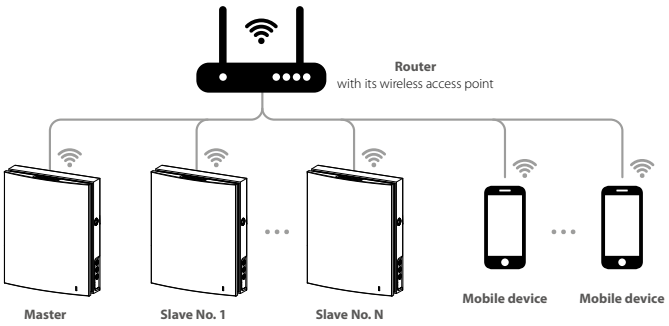
Sensor-activated operation

Only in Master mode do Roomie One ventilators respond to sensor signals.
Roomie Dual ventilators respond to sensor signals regardless of whether they are in Master or Slave mode.

When any sensor on a Roomie One is activated, all connected ventilators run at maximum speed.

When any sensor on a Roomie Dual is activated, only the affected ventilator runs at maximum speed according to the humidity-control scenario. The other ventilators continue at their previous speed.

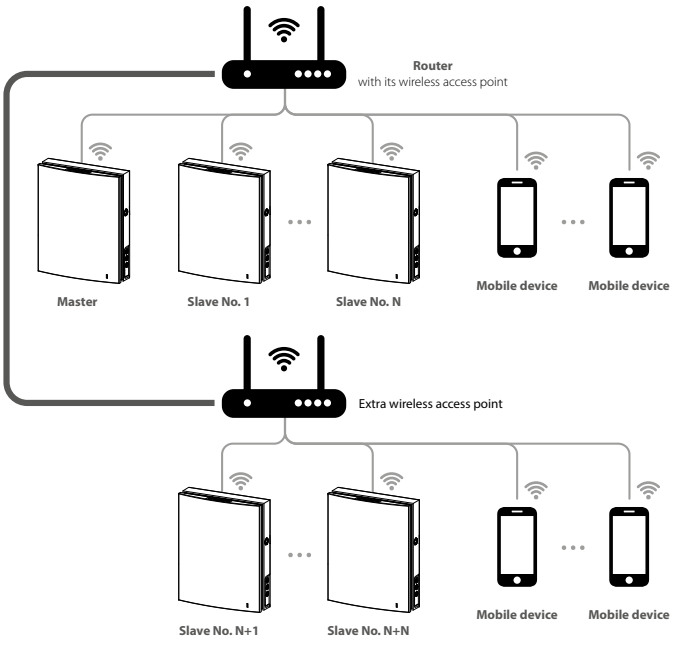
Room ventilators connected to a Wi-Fi router



The master unit, the slave units, and the mobile devices connect to the router's Wi-Fi access point.

In this case, the master unit can operate with a number (N) of slave units, limited only by the router's technical specifications.

Expand the network



If the Wi-Fi router's capacity is not sufficient to connect the required number of fans, an additional wireless access point can be used to connect the remaining units.

It is also possible to connect multiple master units to the network to create zone control.

Connecting Master and Slave ventilators

DANGER!
While completing the connection, make sure that the slaved ventilators are within WiFi coverage of the Master ventilator.
If the WiFi parameters of the Master ventilator are changed, repeat the connection steps!

To create a group of ventilators connected as master and slave, follow these steps:

- Set the DIP switch on each room ventilator to the position corresponding to its role in the group; see "DIP switch positions."
- Set the master unit to the special configuration mode as described below. All LEDs on the control panel will start flashing.
- Also set the slave units to the special configuration mode and wait for the beep when all LEDs stop flashing on each slave unit. The unit is then connected to the master.
  Set the master unit to normal operating mode; press and hold the Ventilation button.

Special configuration mode

If, for example, you forget the WiFi password or the password of the master unit, you can perform a reset to regain access to the ventilator's functions. To enter the special configuration mode, hold the **Ventilation*** button on the fan for 5 seconds until a beep is heard and all LEDs start flashing.

The ventilator remains in this mode for 3 minutes; after that, previous settings are automatically restored. To exit the special configuration mode immediately, hold the **Ventilation*** button on the ventilator for 5 seconds until a beep is heard and all LEDs turn off.

In this mode, the following settings are available:

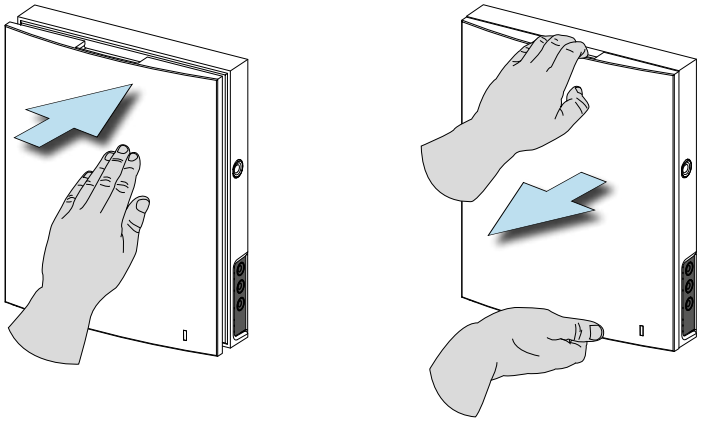
- **WiFi network name:** Setup mode
- **The unit password is ignored.**

* ***Ventilation***-button

Air flow blocking

Roomie One WiFi
Press the front panel to close the air duct. The fan is stopped. The unit functionality is not changed.

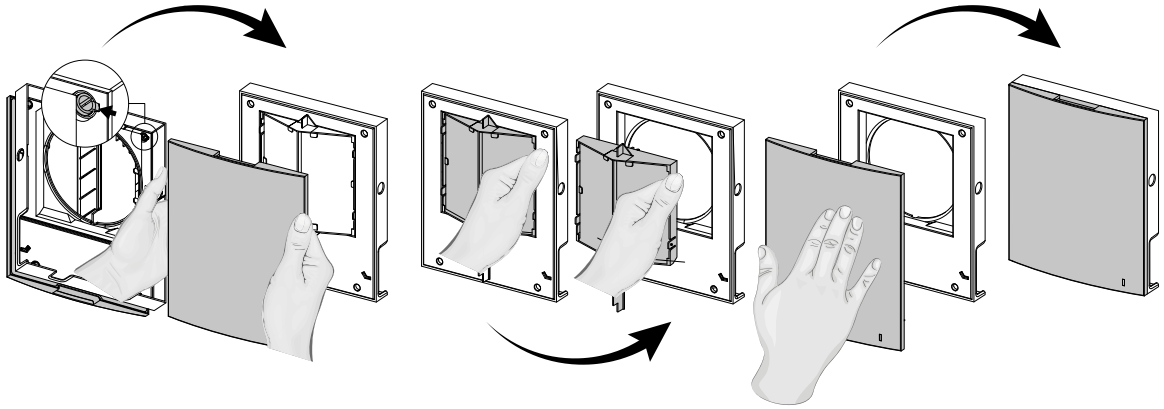
To open the air duct pull the front panel through the specially designed recessions. The fan starts operating according to the actual speed setting.



The light operating indicator is located on the front panel.
In the night time the indicator glowing goes down.

Roomie Dual WiFi
It is recommended that the unit is kept in continuous operation, but it can be completely turned off if necessary.

- Press the support pins behind the front panel and carefully remove it.
- Release the filter holder by bending the clip fasteners inward.
- Reinstall the front panel and press it gently to close the duct.
- The fan switches off.
- The unit's functions remain unchanged.
- Open the duct in the reverse order.



The front panel incorporates an operating LED indicator.
During the night the indicator light intensity drops down.

8. Maintenance

DANGER!
Disconnect the unit from power supply before any maintenance operations.

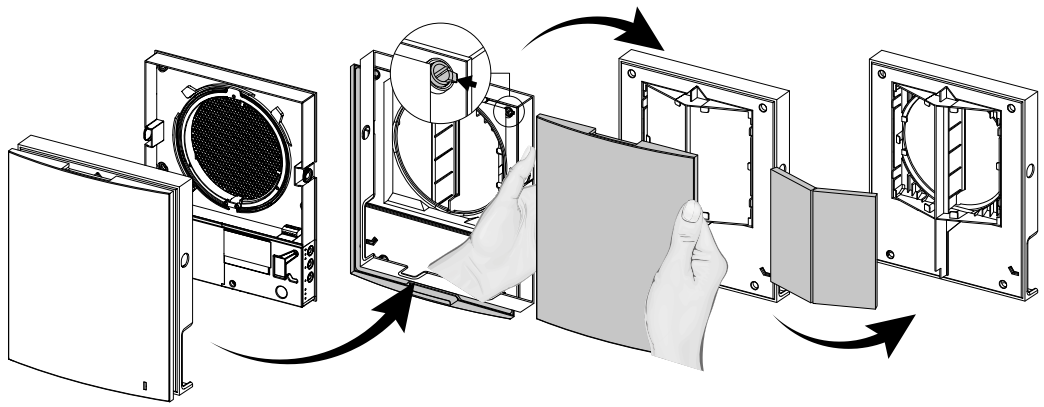
Maintenance of the ventilator means regular cleaning of the ventilator surfaces of dust and cleaning and replacement of the filters.

To access the basic assembly units follow the steps:
Turn off the unit using the remote control or the buttons on the indoor unit.

1

Roomie Dual WiFi

Press the latches on the side of the indoor control unit to take off the front part. Then open the latches and remove the front part of the front panel. Remove the filters for cleaning. Reverse the above procedures to reassemble.

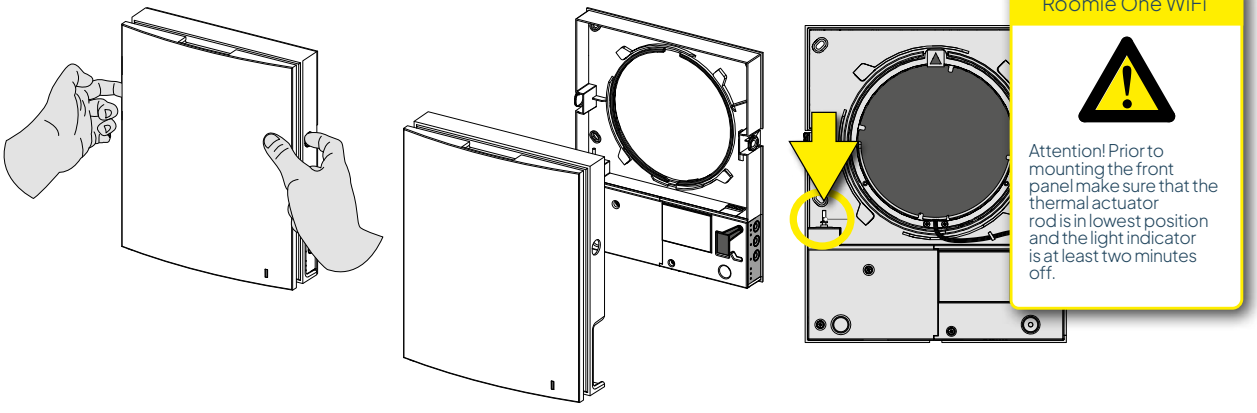


1

Roomie One WiFi

Press the side tabs to release the front part of the indoor unit.

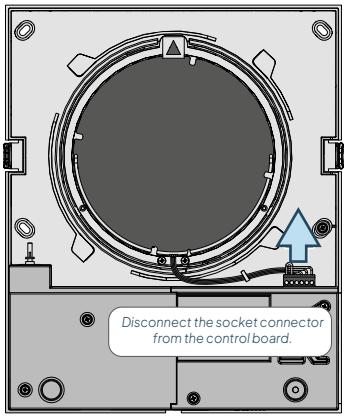
Please make sure the thermal actuator rod is in lower position during re-installation of the front panel. If the thermal actuator rod is up, please wait about 2 minutes until it goes down.



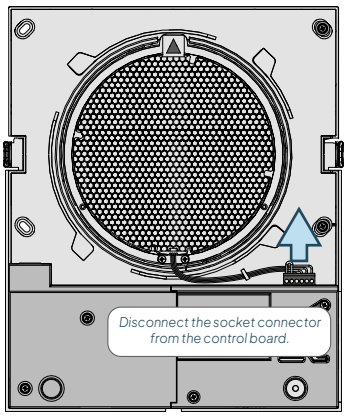
2

Remove the socket connector from the control board. Do not remove the socket connector by pulling the wires. Use a flat screwdriver to uplift it.

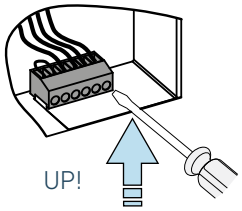
Roomie One WiFi



Roomie Dual WiFi



Do not pull the wires!



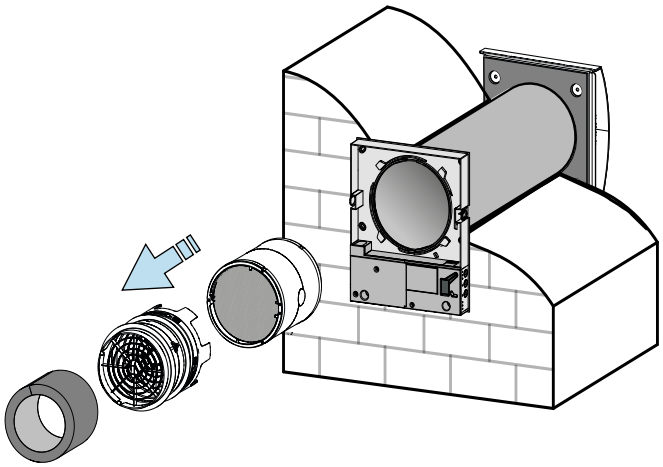
Use a flat screwdriver to disconnect the socket.

CAUTION!
Never remove the control board! It may cause an alarm!

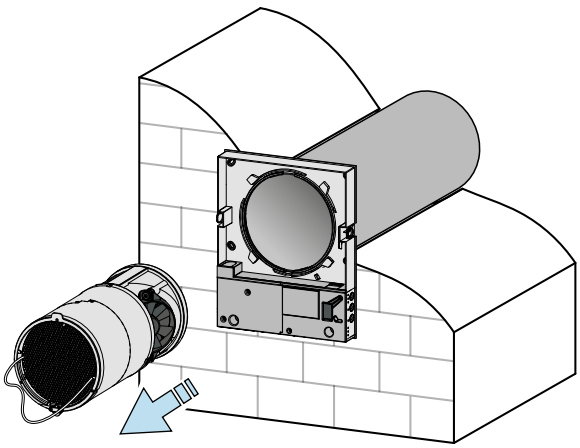
3

Pull the band to remove the cartridge.

Roomie One WiFi

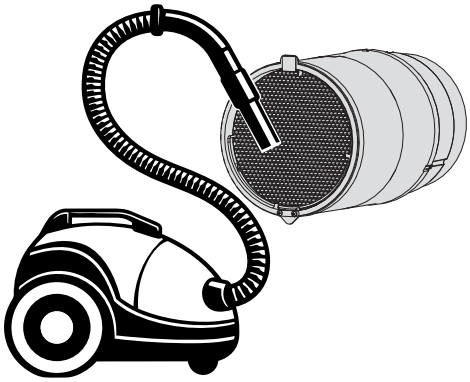


Roomie Dual WiFi



Clean the filters as often as required, but at least 3 times a year.

- Upon elapse of the set time period (factory setting 90 days) the filter replacement indicator (Filter) starts glowing.
- Resetting of the filter timer settings is performed with the DIP switch on the control board or with the application on your mobile device, Flexit Roomie V.2
- Wash the filters and let those dry out completely.
- Install the dry filters in the air duct.
- Vacuum cleaning is allowed.
- The filter rated service life is 3 years.



Even regular technical maintenance may not completely prevent dirt accumulation on the regenerator and the fan.

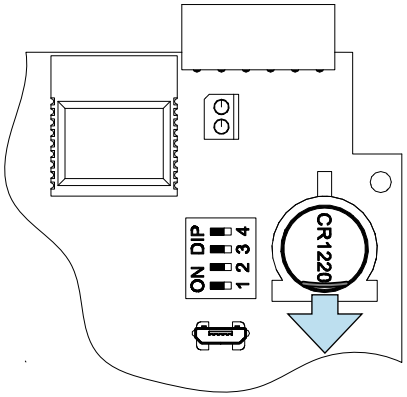
- Clean the regenerator regularly to ensure its high heat recovery efficiency.
- Clean the regenerator with a vacuum cleaner at least once in a year.

Battery replacement – ventilator

The alarm indicator on the ventilator housing flashes when the battery level is low. The mobile app also displays a warning. ⚠
A low battery level may cause disturbances in operation according to the weekly schedule.

Battery type: CR1220.

- Turn off the unit before replacing the battery.
- Remove the front panel and the protective cover that shields the control circuit board.
- The battery is located on the control circuit board.
- Remove the battery and insert the new one.
- After replacing the battery, set the time and date again.

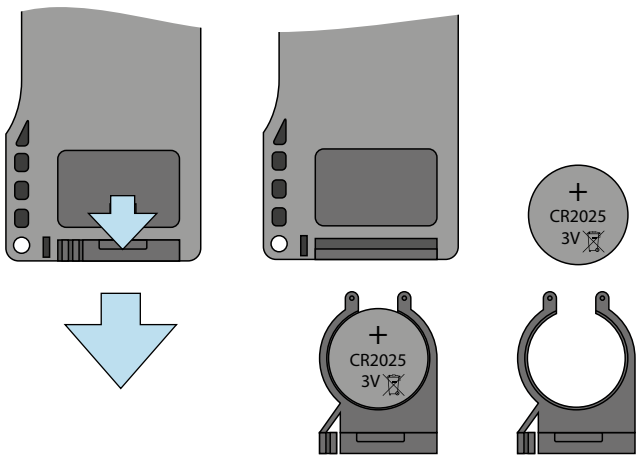


Battery replacement in the remote control (as required).

In case of a long operation of the remote control the battery must be replaced. No response of the unit for pressing the remote control buttons indicates the need to replace the battery.

Battery type: CR2025.

- Remove the holder with the battery from the lower part of the remote control.
- Then replace the battery and re-install the holder with a new battery in site.



9. Troubleshooting

Problem	Possible reasons	Troubleshooting
The fan does not move up during start-up of the unit.	No power supply.	Make sure that the ventilation unit is properly connected to power mains and troubleshoot a connection error, if required.
	Motor is jammed, the impeller blades are clogged.	Turn the ventilation unit off. Troubleshoot the motor jam and impeller clogging. Clean the blades. Restart the unit.
Circuit breaker tripping during the ventilation unit start-up.	Overcurrent as a result of short circuit in the electric circuit.	Turn the unit off. Contact the Seller for further information.
Low air flow.	Low set fan speed.	Set higher speed.
	The filter is clogged, the fan or the regenerator is contaminated.	Clean or replace the filter. Clean the fan and the regenerator.
High noise, vibration.	The impeller is contaminated.	Clean the impeller.
	Loose screw connection of the unit casing or the outer ventilation hood.	Tighten the screws of the unit or the outer ventilation hood.
The room ventilator does not restart automatically after a power outage.	The DIP switches are set in the wrong position.	Verify that the DIP switches are set to the correct position according to the table in this manual.

10. Storage and transportation regulations

Store the unit in the manufacturer's original packing box in a dry closed ventilated premise with temperature range from +5 °C to + 40 °C.

Storage environment must not contain aggressive vapours and chemical mixtures provoking corrosion, insulation and sealing deformation.

Follow the handling requirements applicable for the particular type of cargo.

The unit can be transported in the original packing by any mode of transport without limitation provided proper protection against precipitation and mechanical damage.

Avoid sharp blows, scratches or rough handling during loading and unloading.

CAUTION!
Prior to the initial power-up after transportation at subzero temperatures allow the unit to warm up at room temperature for at least 3–4 hours.

11. Complaints

INFO!
Warranty claims will only be valid if the instructions in the manuals have been followed.

This product is covered by warranty in accordance with the current terms of sale, **provided that the product is used correctly and properly maintained**.
The warranty may be rendered invalid if the system is used incorrectly or maintenance is grossly neglected.

Complaints resulting from incorrect or defective installation must be submitted to the installation company responsible.

Filters are consumables.

Our products are subject to continuous development and we therefore reserve the right to make changes.

We also disclaim liability for any printing errors that may occur.

12. Waste handling

The symbol on the product shows that this product must not be treated as household waste.
It must be taken to a collection point for recycling electrical and electronic equipment.

By ensuring correct disposal of the equipment, you will help to prevent negative consequences for the environment and health that incorrect handling may entail.

For further information on recycling this product, please contact your local authority, your refuse collection company or the company from which you purchased it.

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