FLEXIT

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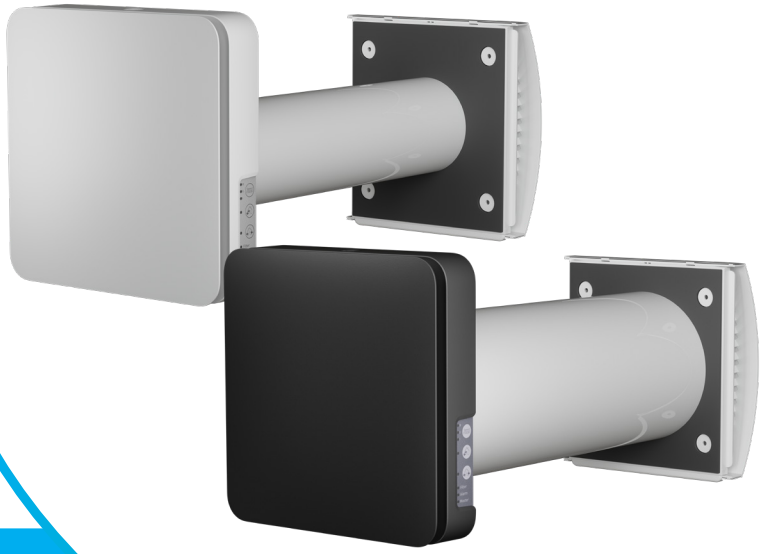
WIFI



Aura One WiFi

ART.NO. 121394, 121395, 121396, 121397

EN

ASSEMBLY AND OPERATION INSTRUCTIONS

Single room ventilator

Contents

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.

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 Aura One 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.

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.

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

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.

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).

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

2. Delivery set

Name	Quantity	
	Aura One WiFi 100	Aura One WiFi 160
Indoor unit	1 item	1 item
Air duct	1 item	1 item
Sound absorbing material	1 item	1 item
Fan unit	-	1 item
Heat recovery unit	-	1 item
Fan and heat recovery unit	1 item	-
Outer ventilation hood	1 item	1 item
Remote control	1 item	1 item
Cardboard template	1 item	1 item
Mounting kit	2 packings	2 packings
Polystyrene wedges	1 kit	1 kit
Quick guide	1 item	1 item
Outer hood installation instruction	1 item	1 item
Packing box	1 item	1 item

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). The temperature of the transported air must be in the range of -15˚C to +40˚C for Aura One Wifi 100 and -20˚C to +40˚C for Aura One Wifi 160. 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

	Aura One WiFi 100			Aura One WiFi 160		
Speed	I	II	III	I	II	III
Power consumption (W)	1,0	1,6	3,0	1,7	3,0	4,3
Current (A)	0,02	0,03	0,04	0,03	0,04	0,05
Voltage (V/50-60 Hz)	100–240 V					
Filter class	G3					
Ingress protection	IP 24					
Operating temperature*	–15 °C to +40 °C			–20 °C to +40 °C		
Wall thickness	155–500 mm			240–500 mm**		

** Variations in temperature and humidity can lead to refreezing at temperatures higher than specified.*
*** For thinner walls special hoods can be used (accessories)*

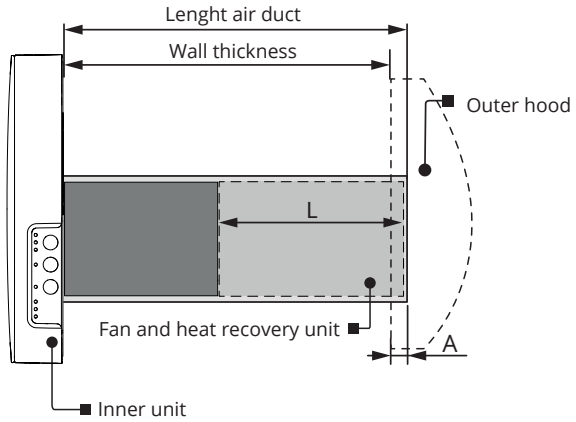
In the event of possible freezing, take the cartridge out with the regenerator and fan. Let it thaw at room temperature.
Wait to start the unit if the temperature and humidity conditions are unchanged. Alternatively, chose ventilation mode which reduces indoor humidity and the risk of freezing. The air is then continuously ventilated in one direction.

Additional tecnical data, see product data sheet on www.flexit.com.

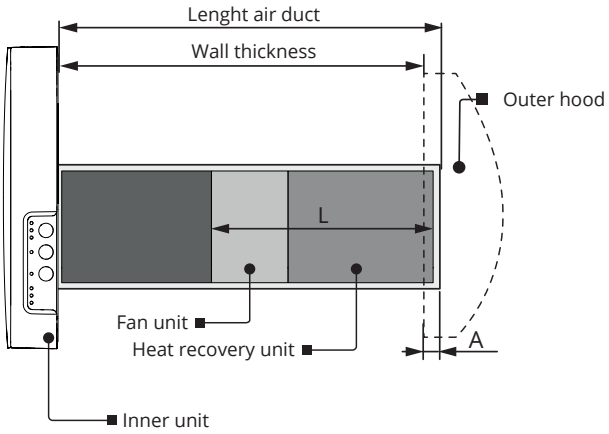
WiFi Technical data	
Standard:	IEFE 802.11 b/g/n
Frequency band [GHz]	2,4
Transmission power [mW] (dBm)	100 (+20)
Network	DHCP
WLAN safety	WPA, WPA2

Dimensjoner

Aura One WiFi 100



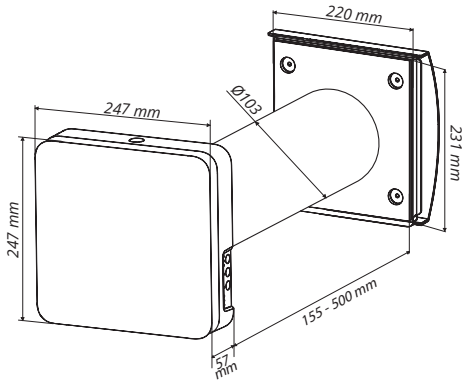
Aura One WiFi 160



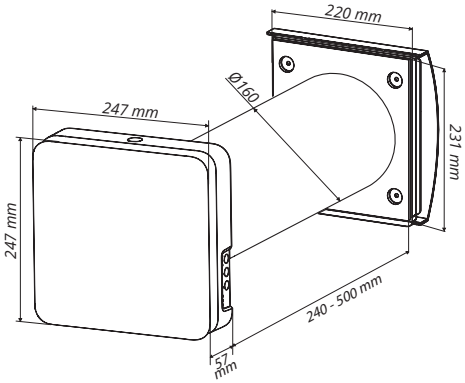
Air duct length [mm]	
Aura One WiFi 100	Aura One WiFi 160
155 - 500mm	240 – 500mm

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.

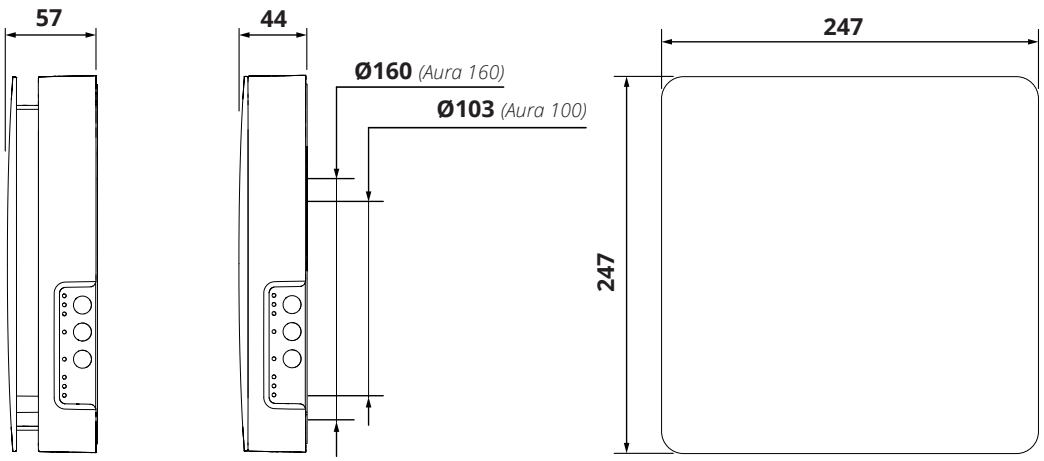
Aura One WiFi 100



Aura One WiFi 160



Overall dimensions of the indoor assembly unit [mm]



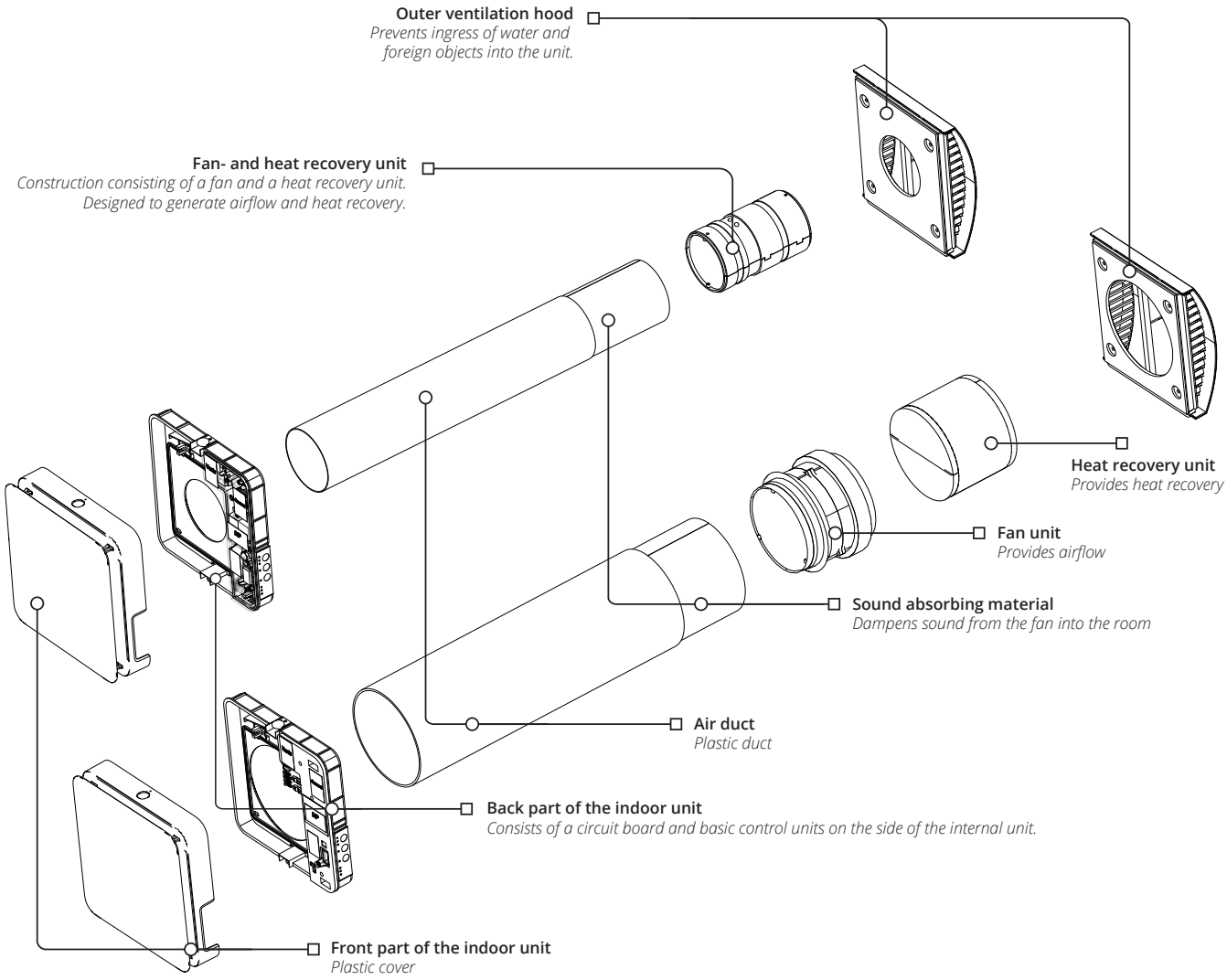
4. Design and functioning

Aura One WiFi

The room ventilator consists of a wall-mounted unit with a heat recovery system, fan unit, filters, and sound-proofing material. It features a decorative inner part and an external plastic cover. The external cover is used to prevent water and other objects from directly entering the room ventilator.

In the lower right corner of the fan's front panel, there is a window for the IR remote control receiver combined with a light sensor. The light sensor controls the brightness of the control panel's LED lights. The LED lights shine brighter in daylight and dimmer in the dark.

Ventilation unit design

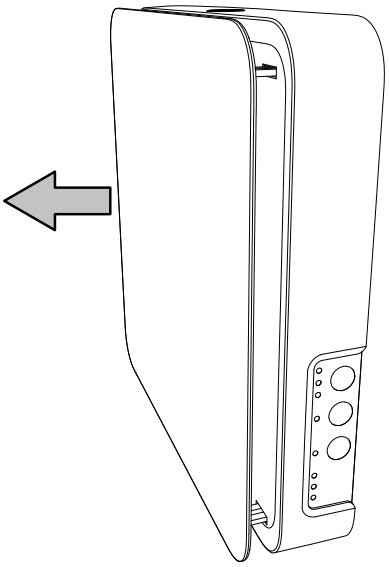


Open and close the ventilator

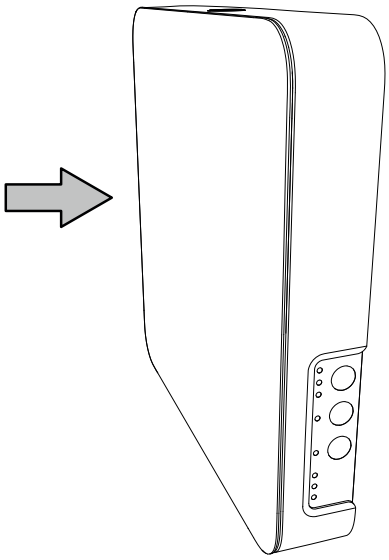
To open the fan, gently pull the cover of the front panel towards you with both hands. The fan will automatically set to the speed for the current ventilation mode.

To close the fan, gently press the front panel until the cover is fully closed. The fan will automatically turn off. The fan's function is not affected during the procedure.

Open the ventilator



Close the ventilator



Aura One WiFi operating 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.

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.

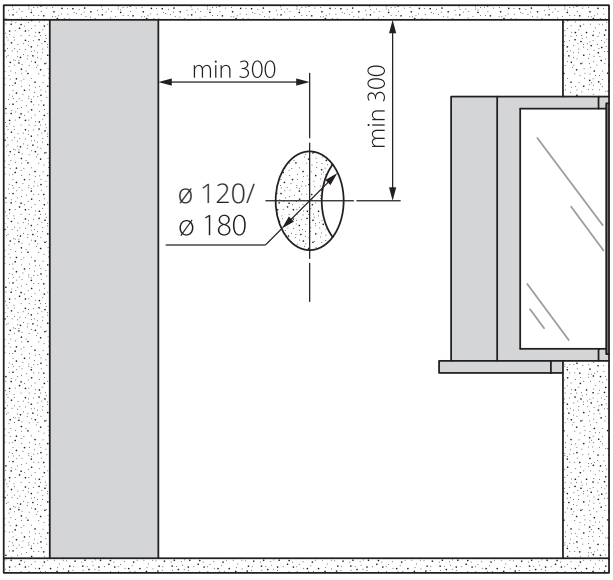
5. Mounting and set-up

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

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.

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.

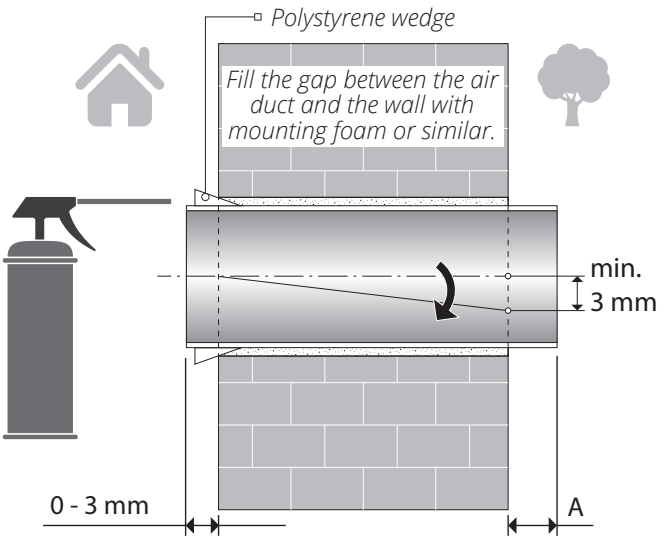
1. Make a round hole in the outer wall. The recommended hole size is Ø120 mm for Aura One Wifi 100 and Ø180 mm for Aura One Wifi 160. When making the hole, you should prepare for the power cable and other necessary cables. The recommended minimum distance to walls/ceilings or other installations that may affect airflow is 300 mm.



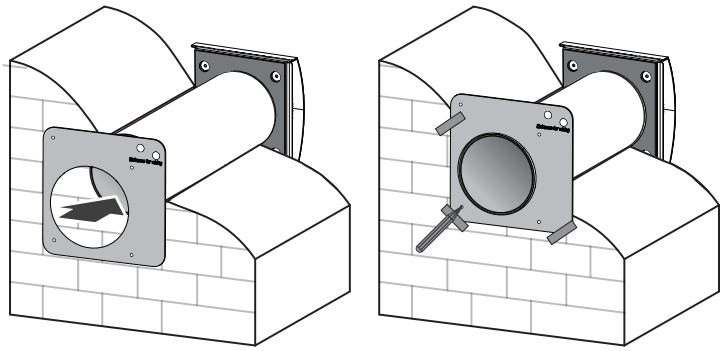
2. Insert the air duct in the wall using the supplied polystyrene wedges. The telescopic air duct end must protrude for the distance that enables installation of the outer ventilation hood.

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.

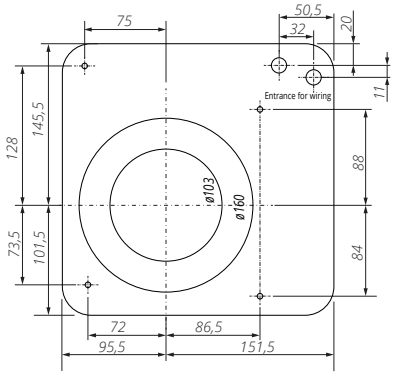


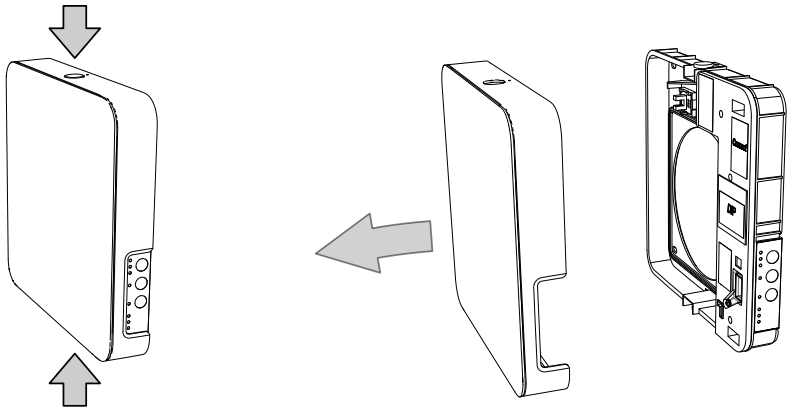
3. Stick the supplied cardboard template on the inner wall using a sticker. Use a builder's level for horizontal alignment of the mounting template. Mark the openings for dowels from the fastening kit and drill holes to a required depth.



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

Hole marking for fasteners of the unit, mm.
The duct connection is not centered on the inner part but positioned down to the left when viewed from the inside.

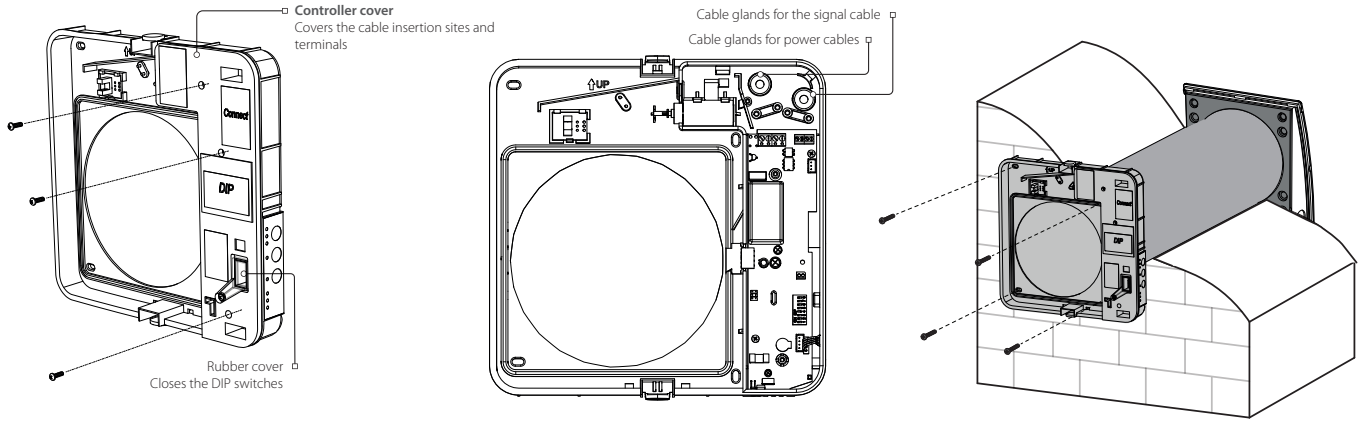




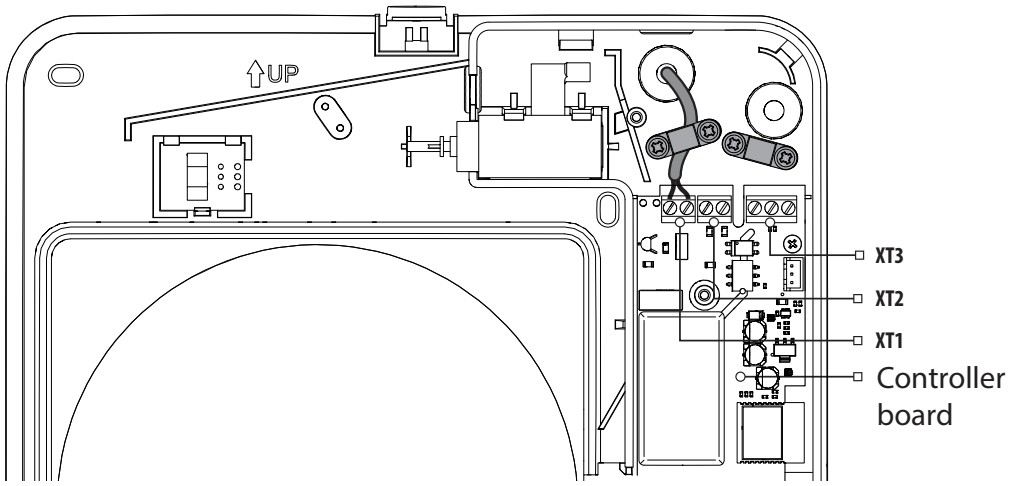
4. Press the top and bottom tabs to detach the front part of the indoor unit from its back part.

5. Remove the three fastening screws from the control cover to access the circuit board. Feed the power cables through the appropriate cable conduits.

Fix the back part of the indoor unit on the wall with the supplied screws.

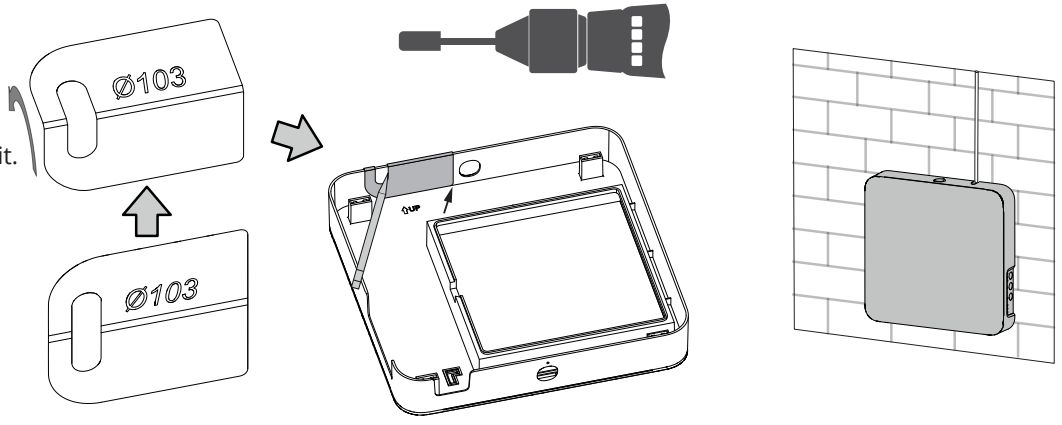


6. Feed the power cable as shown below and connect the wires to the terminal block. Refer to the Wiring Diagram section. Secure the cable with the cable clamp. Connect the fan to the power supply. **NB!** Must be done by an authorized electrician.

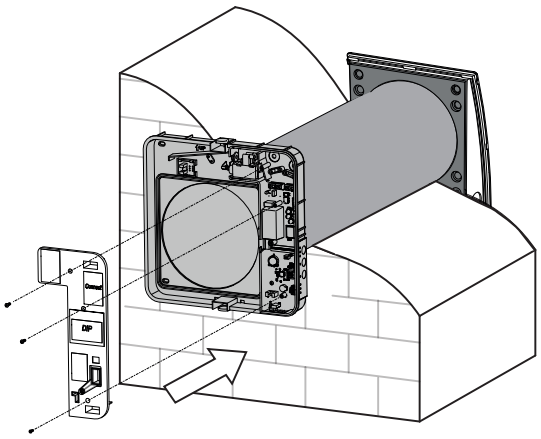


7. Change of cable entry. It is possible to connect the fan with open installation of the power cable. This is done by milling a hole at the top of the front cover as described below. Use the included cardboard template. Use appropriate tools.

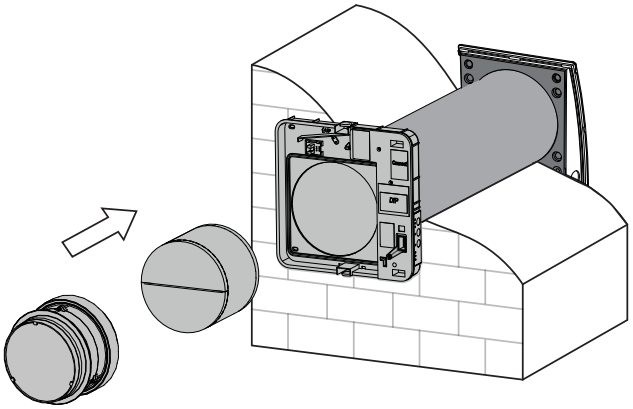
Note! A corresponding hole for the power cable must also be milled in the rear part of the internal unit.

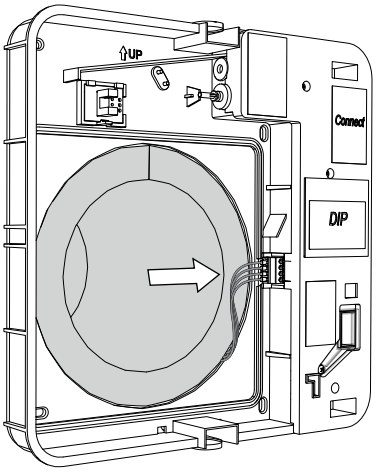


8. Mount the control cover after the electrical connections have been made.

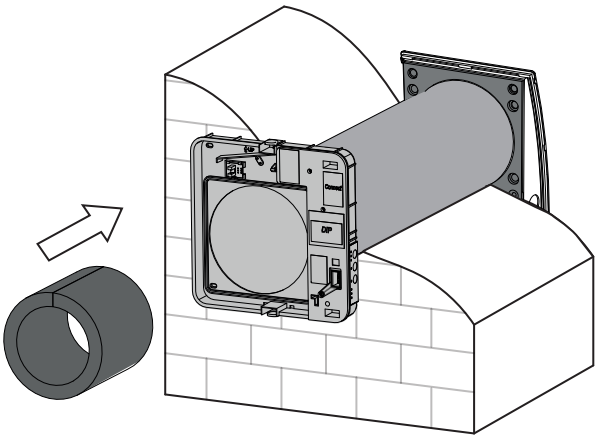


9. Mount the fan and heat recovery unit to the wall through the opening as shown in the figure below. Then connect the plugs to the circuit board as indicated by the arrow.

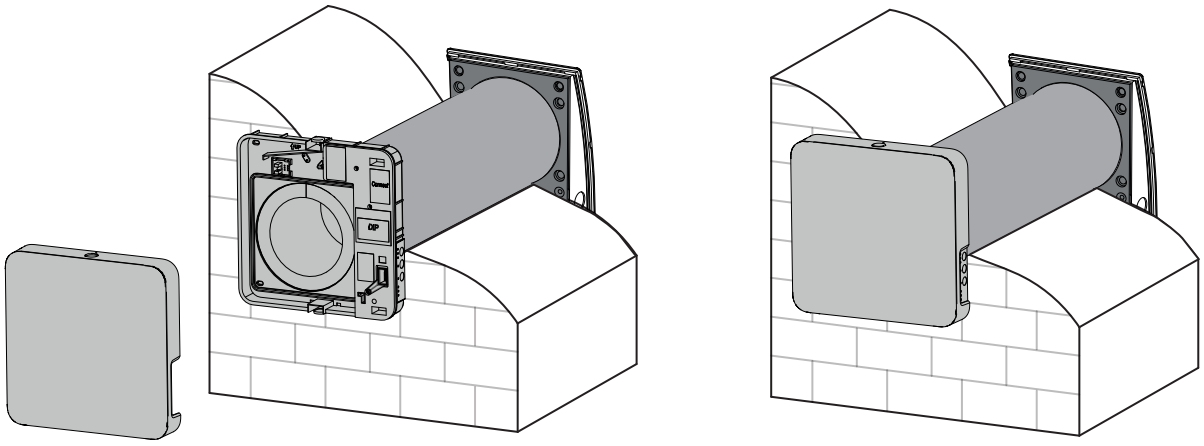




10. Roll the soundabsorbing material so that it fits the diameter of the wall opening.
Place the soundabsorbing roll into the wall opening.
Make a marking at the end of the wall opening, remove the material, and cut the roll at the marking.
Place the finished soundabsorbing roll into the wall opening.



11. Mount the front cover on the internal unit.



The unit comes without a pre-wired power cable which means that additional electrical installation is necessary on the unit for it´s basic function.

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

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

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

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.

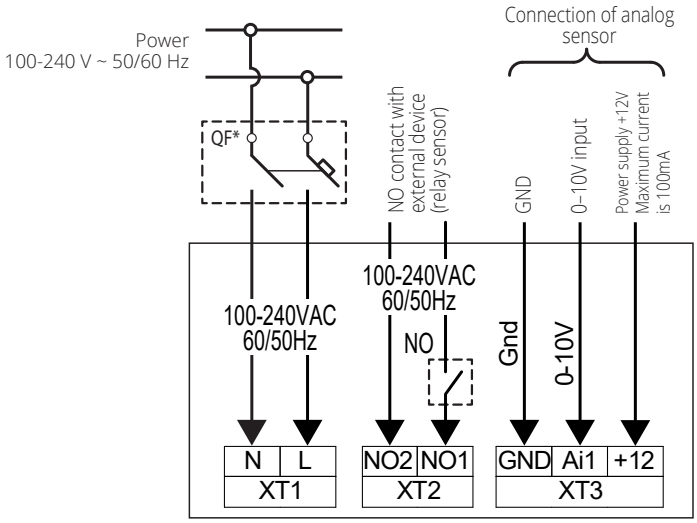
The units shall be installed according to current laws and regulations.

The ventilator design enables connecting any external controls with a normally opened contact (NO-contact), such as an external CO_2 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.

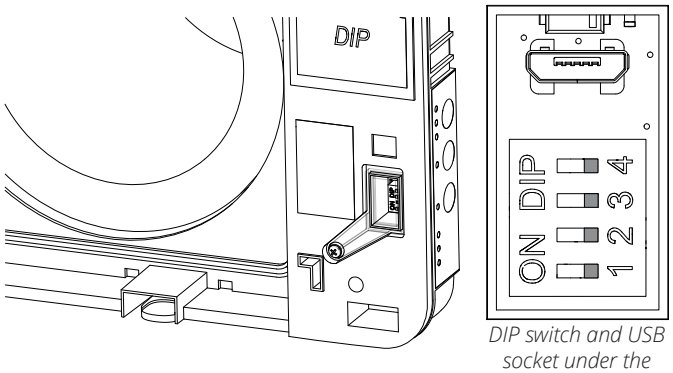
Wiring diagram



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.



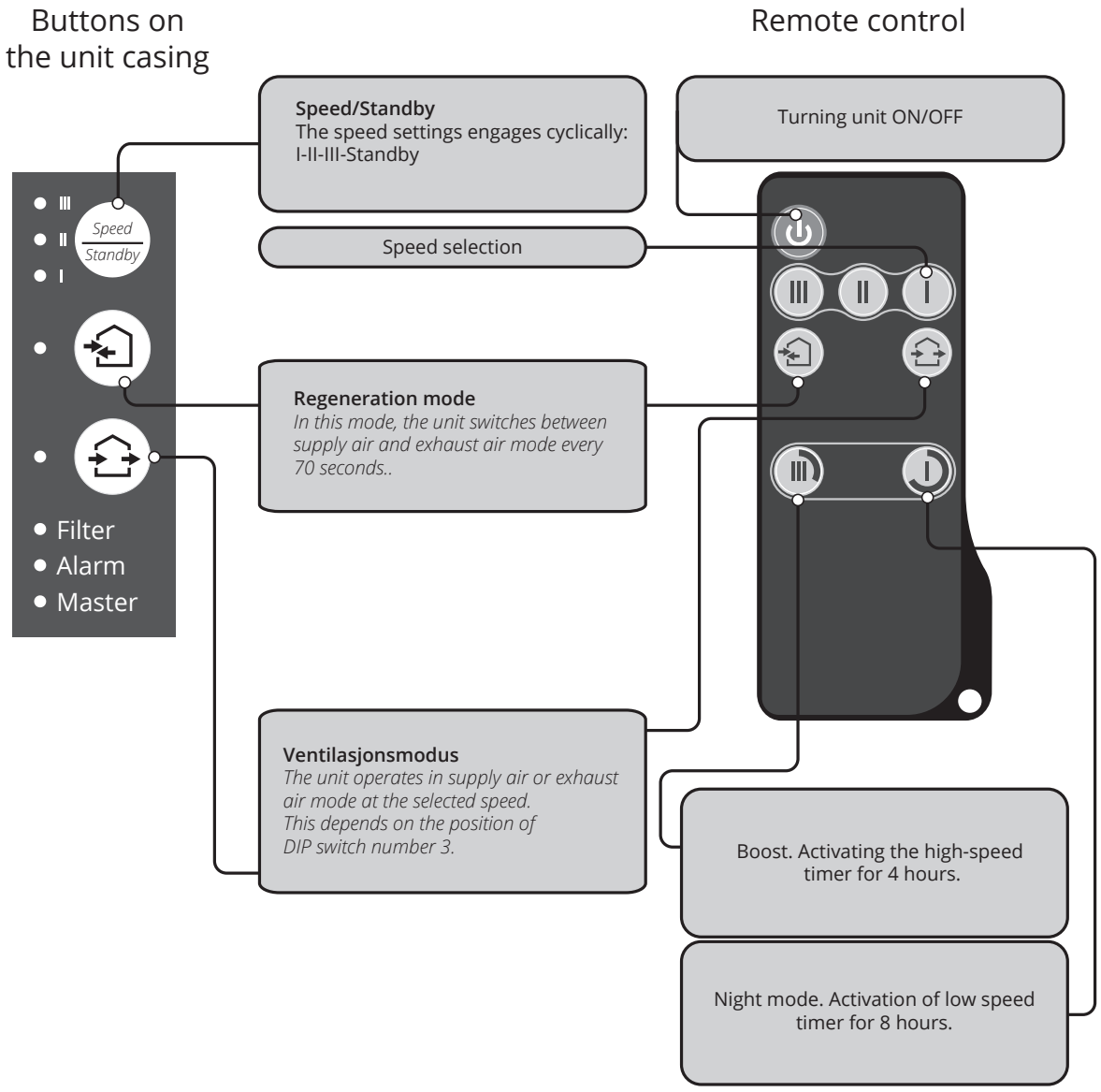
DIP switch and USB socket under the cover

Positioning of the dip switch

Setup of ventilator operation mode	
1	OFF: Master unit
1	ON: Slave 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	
3	OFF: the ventilator runs in the extract mode
3	ON: the ventilator runs in the supply mode
Reset to factory settings	
4	OFF: Standard operation mode
4	ON: reset to factory settings. Turn the switch to the position ON while the ventilator is running. After the sound signal turn the switch to the position OFF.

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	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 The fan rotation direction changes every 70 seconds.
	Ventilation mode. 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.
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. Suodattimien vaihdon jälkeen nollaa ajastin mobiilisovelluksella tai pitämällä Master ventilatorin sisäyksikön Ventilation-painiketta painettuna 5 sekunnin ajan, kunnes kuuluu äänimerkki.
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 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. 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	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.** Rotation direction of the fans changes once in 70 seconds. Heat regeneration is accomplished in the Regeneration mode.
	**Ventilation mode.** 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.
	Timer control button:  Boost 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.  Night 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.

Ventilation unit operation with the mobile application

To enable operation of the unit with a mobile device, install the **Flexit Fans** application to your mobile device.

Flexit Fans - App Store

Flexit Fans - Google Play

The ventilator works as a WiFi access point named FAN by default: + 16 ID Number characters) stated on the ventilator casing under the front panel.

WiFi access point password: 11111111.

To connect, follow the instructions in the mobile app. In the app, you can configure the ventilator to connect via your home WiFi network and via a cloud server.

Controlling the ventilator using the smart home system

The ventilators must be connected to the Smart home system in compliance with user's manual for this application.

Wireless connection of several ventilators

The ventilators can be combined into a group in which one ventilator acts as a Master device and the others are connected to it as Slaves.

Master unit mode. The ventilator acts as a Master unit. The Slave units and the mobile devices are connected to the Master unit via the WiFi connection. The Master unit is controlled via the mobile application, remote control or the sensor buttons on the ventilator casing. The control signal is automatically transmitted to all the Slave units in the network. In this mode the ventilator receives signals from the sensors (humidity sensor, external discrete sensor, external 0-10 V analogue sensor) and goes to a respective operation mode.

Slave unit mode. The unit acts as a Slave unit in the network. The ventilator responds to the control signals from the Master unit only. Any other signals from other controls are ignored. In this mode the ventilators ignore signals from the sensors. In case of communication loss with the Master unit longer than 20 seconds, the ventilator goes to the Standby mode.

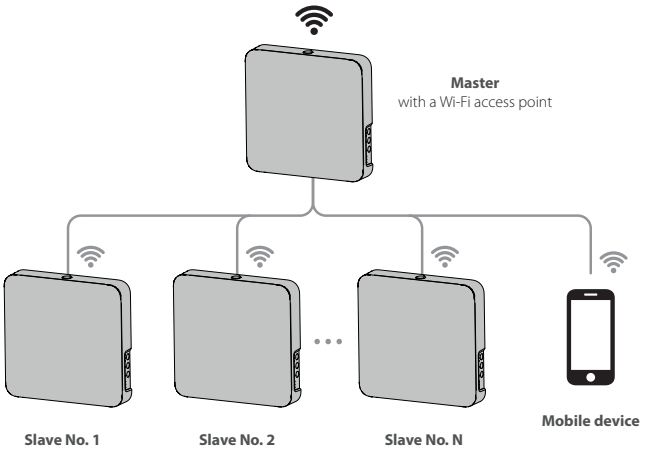
Sensor-activated operation. The ventilators respond to the signal from the sensors in the Master mode only.

When any sensor is activated, all connected fans will run at maximum speed.

Ventilator wireless connection diagrams

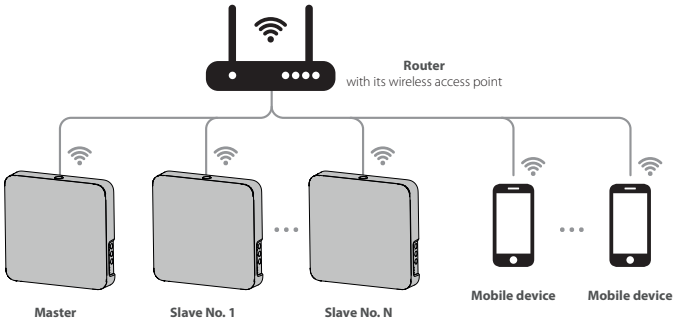
Wiring diagram 1

Connection of up to 8 Slave units or mobile devices to the Master unit with its own wireless access point.



In case of connection of eight Slave units to the Master unit with its own wireless access point, a mobile device may not be connected.

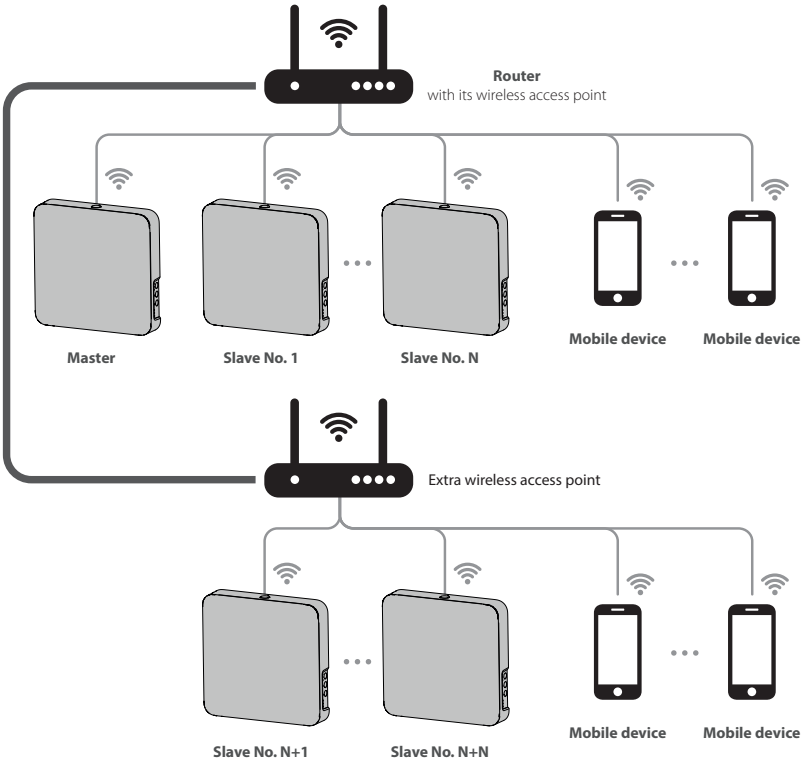
Wiring diagram 2



The Master units, the Slave units and the mobile devices are connected to a WiFi access point of the router.

In this case, the Master unit can operate with the number (N) of Slave units, limited by the technical characteristics of the router.

If the WiFi router sufficient is not enough to connect a required number of the ventilators, it is possible to use an extra wireless access point to connect the other units.
Optionally connection of several Master units to the network for arranging a zone control is also possible.



Connecting Master and Slave ventilators

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 that are linked together as a Master and Slave, follow these steps:
• Set the DIP switches on each ventilator to the position that corresponds to its role in the group (see "DIP switch position").
• Select the Master fan's WiFi access point in the WiFi settings on your mobile device.*
• Then configure the WiFi settings of the Master ventilator by following the instructions in the Flexit Fans mobile app.
• Set the Master ventilator to the special setup mode as described below, and all LEDs on the ventilator casing will start flashing.
• Set the Slave units to special setup mode and wait for the beep when all the LED lights stop blinking on each Slave unit. It is then connected to the Master unit. Set the Master unit to the normal operation mode; press and hold the **Ventilation** button.
• Connect to the Master unit's WiFi access point in the mobile device again.

Note: If the home router works in conjunction with several WiFi access points and the ventilators require connection to different access points:
- Connect the Master unit to the first WiFi access point.
- Complete the connection with the first group of Slave units.
- Connect the Master unit to the second WiFi access point.
- Complete the connection with the second group of Slave units.

** The ventilator works as a WiFi access point named FAN by default: + 16 ID Number characters) stated on the ventilator casing under the front panel.*
WiFi access point password: 11111111.

Special setup mode

In the event of losing the WiFi password or the Master unit password or in other cases, use the special Setup mode to restore access to the ventilator functions. To enter the special setup mode, press and hold the **Ventilation** button on the ventilator casing for 5 seconds until the beep and blinking of all the LED lights. The ventilator continues in this mode for 3 minutes and then automatically revert to the previous settings. To exit the Setup mode immediately, once again press and hold the **Ventilation** button on the ventilator casing for 5 seconds, until the beep and shutdown of all the LED lights.

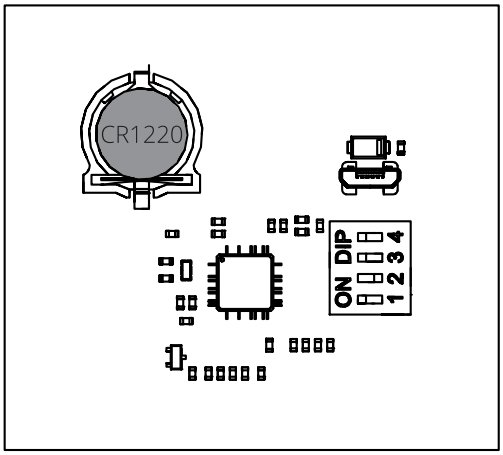
In this mode the following settings are available:
- **WiFi network name:** Setup mode.
- **WiFi password:** 11111111.
- **The unit password is ignored.**

Ventilation button

Battery replacement

The **Alarm** indicator on the ventilator casing blinks when the battery charge is low. The mobile app will also display a warning ⚠.
Low battery power may cause disruptions in the weekly schedule operation. Power off the unit before replacing the battery. After replacing the battery re-set the time and date.

The battery is located on the control circuit board. Power off the ventilator to replace the battery, remove the front panel and the cover protecting the control circuit board. Remove the battery and install the new one.
Battery type: CR1220.

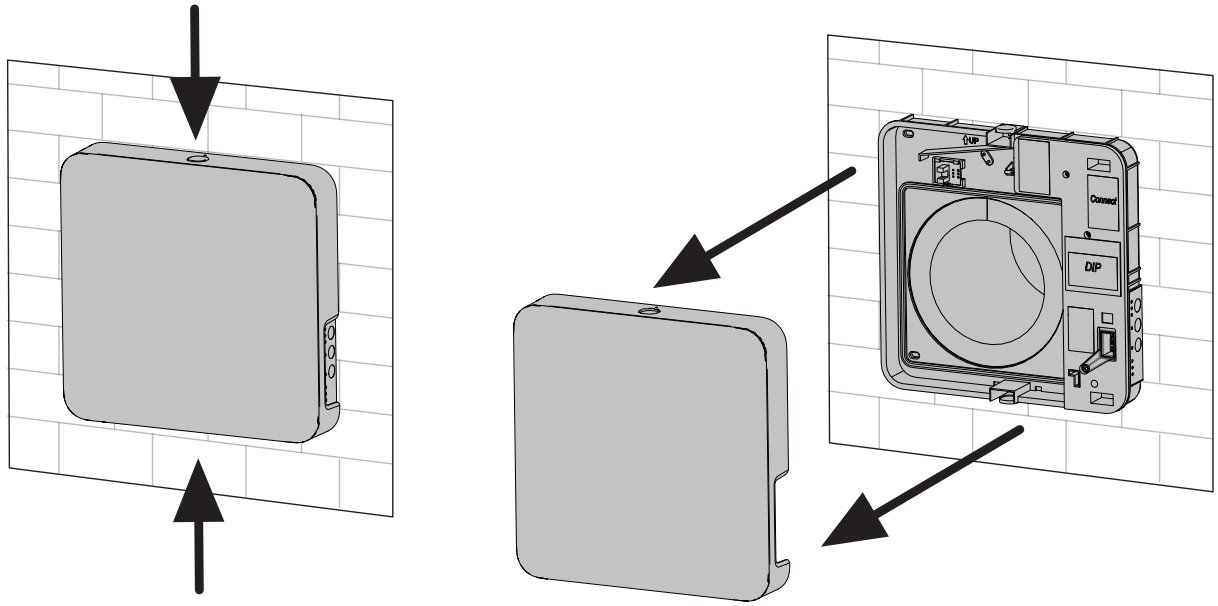


6. Maintenance

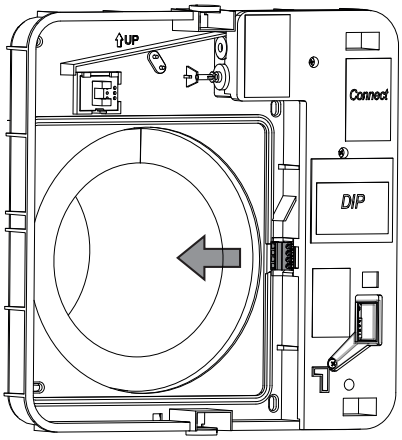
Disconnect the unit from power supply before any maintenance operations.

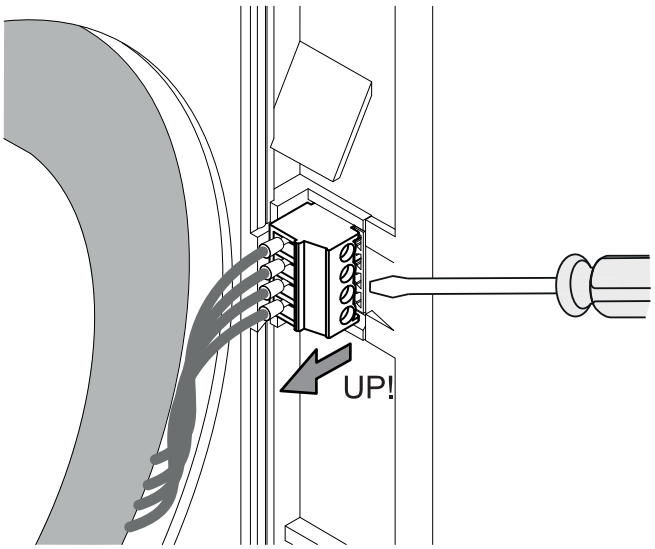
Maintenance of the ventilator means regular cleaning of the ventilator surfaces of dust and cleaning and replacement of the filters.

1. Press the locking mechanisms at the top and bottom simultaneously to release the front cover from the rear part.



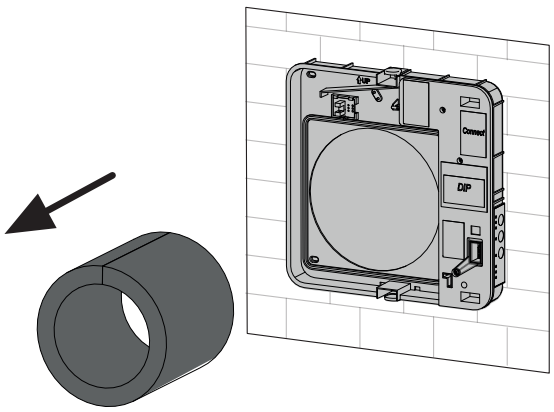
2. Disconnect the plug from the circuit board. Do not pull on the wires when removing the plug.
Use a flat screwdriver to disconnect the plug.

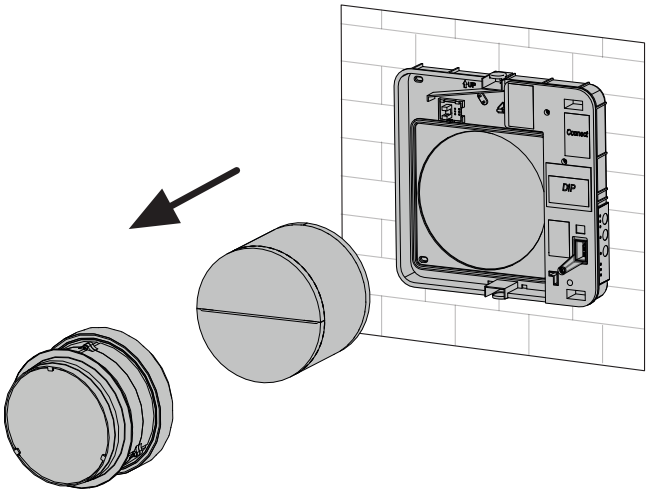




Never remove the control board! It may cause an alarm!

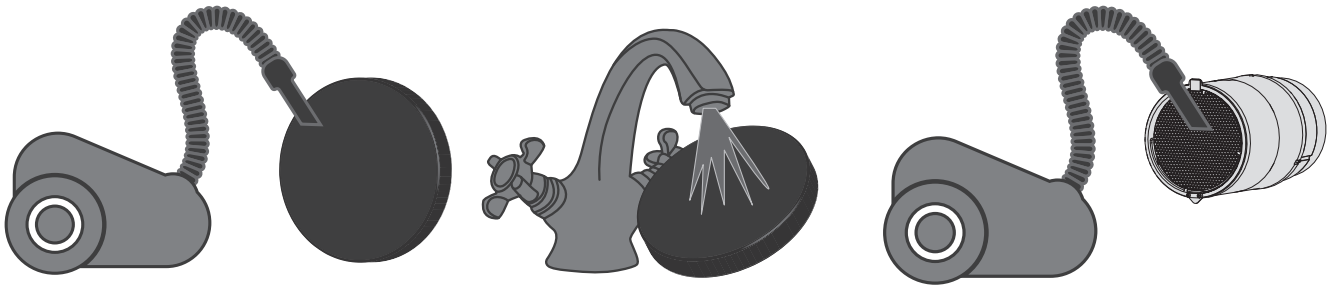
3. Remove the soundabsorbing material.
Then remove the fan and heat recovery unit.





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.
- 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.

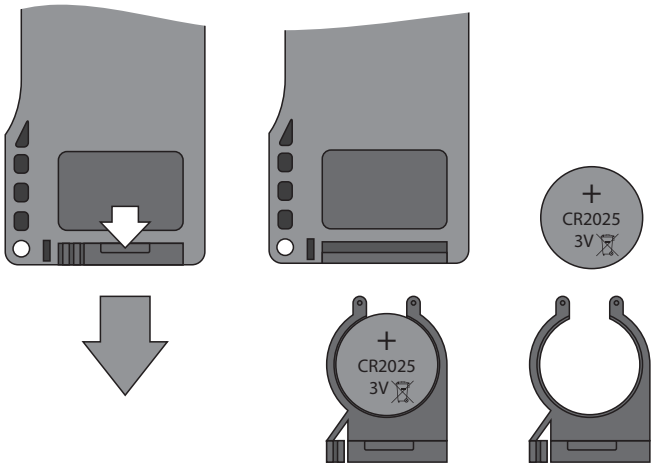
- Clean the regenerator regularly to ensure its high heat recovery efficiency.
- Clean the regenerator with a vacuum cleaner at least once in a year.

4. 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.

The battery type is 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.



7. 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.

8. 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 , and relative humidity up to 70%.

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.

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.

9. Complaints

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.

10. 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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