

# AERO

## AEROPLUS WRG

Wall-mounted ventilator with sound absorption

Window systems

Door systems

Comfort systems



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### 1 About this documentation

#### 1.1 Original operating instructions

These instructions are part of the original operating instructions. The operating instructions consist of the following sections:

- assembly instructions
- operating and service instructions

#### 1.2 Read the instructions

These instructions are an important document and part of the product. Only the defined procedures are safe. Persons can be injured or material damage could occur if these instructions are not observed.

Read and observe the instructions completely before using the product.

Retain these instructions, keep them available and pass them on to subsequent users.

#### 1.3 Producer

SIEGENIA-AUBI KG  
Industriestraße 1 – 3  
57234 Wilnsdorf  
Germany

You can find the addresses of our worldwide locations here:  
<https://www.siegenia.com/en/company/locations>

#### 1.4 Notice on gender

The linguistic form used serves for easier readability and always means all genders as long as nothing else is explicitly mentioned.

#### 1.5 Target group

This information is aimed at all persons who carry out the following activities:

- operation and maintenance of SIEGENIA products
- operation and maintenance of window elements or door elements that are equipped with SIEGENIA products

#### 1.6 Applicable information

Note the following applicable information prior to operation.

- Product data sheet in accordance with EU Regulation 1254/2014  
[link.si/td/wans011/1223](https://link.si/td/wans011/1223)



- Help for the SIEGENIA Comfort app (iOS)  
<https://link.si/td/ios001/0523>



- Help for the SIEGENIA Comfort app (Android)  
<https://link.si/td/and001/0523>



## 1.7 Symbols used

### 1.7.1 Acoustic signals

 Signal with sound

 Signal without sound

### 1.7.2 LED

- LED off
- LED lights up
- LED flashes in 1 colour
- LED flashes alternately in 2 colours

## 1.8 Abbreviations

Abbreviation	Explanation
TVOC	Total Volatile Organic Compounds: volatile organic compounds in gaseous form (e. g. ethanol, carbon monoxide, methane, butane and cigarette smoke).
CO <sub>2</sub>	Carbon dioxide: a chemical compound composed of carbon and oxygen.
NOx	Nitrogen monoxide and nitrogen dioxide are collectively referred to as NO <sub>x</sub> .
ISO Coarse 30%	Grit filter, filter designation according to DIN EN ISO 16890-1
ISO Coarse 45%	Grit filter, filter designation according to DIN EN ISO 16890-1
ISO ePM1 50%	Fine dust filter, filter designation according to DIN EN ISO 16890-1
WIFI	Wireless local area network.

## 2 Security

### 2.1 Intended use

- The product is a ventilation system for ventilating and extracting air from closed rooms.
- The product is not suitable for targeted dehumidification (e.g. drying out new buildings or concealing defects or deficiencies in the construction).

### 2.2 Requirements for the target group

The following persons may only operate the product if they have understood the dangers involved in handling the product or if they are supervised during operation:

- children
- persons with diminished physical, sensory or mental capabilities
- persons with a lack of experience and knowledge

### 2.3 Safety notes

#### Risk of poisoning from combustion fumes

A vacuum can be created when this ventilation unit is operated simultaneously with a heat-producing appliance (such as a stove or gas heater). The vacuum could cause exhaust fumes to enter the room, resulting in poisoning.

- Have the ventilation compound in your home checked by an accredited chimney sweep.
- For ventilation units that permanently run in exhaust air operation, install a safety device in consultation with the accredited chimney sweep.

#### Risk of poisoning from contaminated air

When the ventilation unit is in operation, hazardous substances can enter the room, resulting in poisoning.

- If the air drawn in contains hazardous substances, switch off the ventilation unit.

#### Explosion hazard due to electrical sparks

When operating the ventilation unit in environments with an explosive atmosphere, electrical sparks may cause an explosion. Explosive atmospheres are created, for example, by flammable liquids, steam, gas or dust.

- Do not use the ventilation unit in environments with an explosive atmosphere.

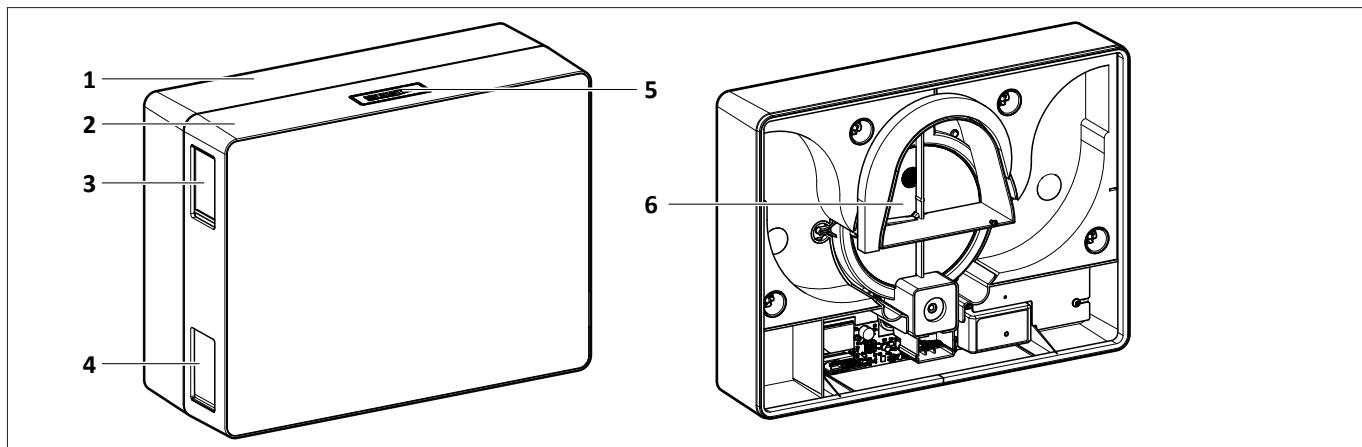
#### Risk of injury from using unsuitable components

Components, accessories and spare parts which do not comply with SIEGENIA requirements can impair the safety of the product and lead to accidents.

- Use original parts or components that comply with the SIEGENIA requirements. If in doubt, contact SIEGENIA for confirmation.

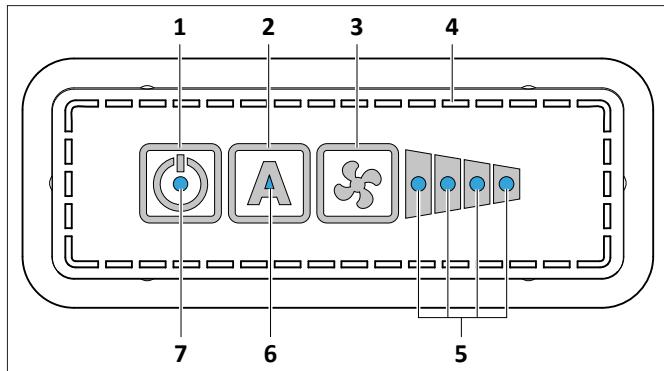
### 3 Product specifications

#### 3.1 Structure



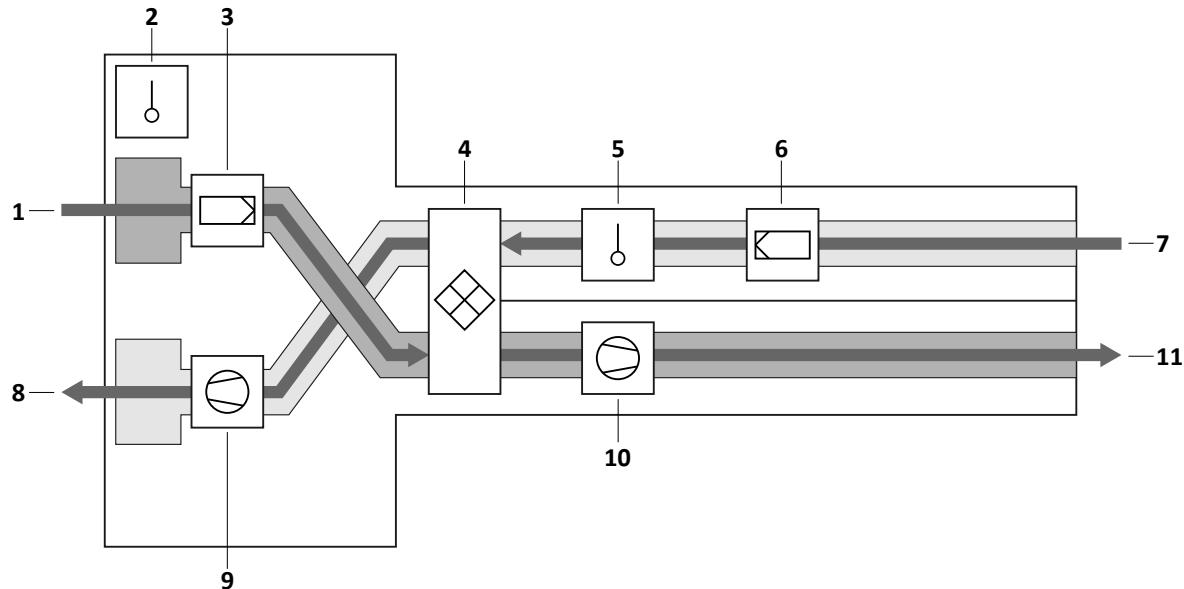
Item	Name
1	Wall-mounted module
2	Casing module
3	Slider for exhaust-air opening
4	Slider for supply-air opening
5	Touch control
6	Pipe module

### 3.2 Touch control



Item	Name	Purpose
1	ON/OFF button	<ul style="list-style-type: none"><li>• Switches the device on and off.</li><li>• Switches the heat recovery on or off when pressed and held.</li><li>• Produces a beeping sound when heat recovery is switched on or off.</li></ul>
2	AUTO button	<ul style="list-style-type: none"><li>• Switches automatic mode on and off.</li><li>• Opens the menu navigation when pressed and held.</li></ul>
3	Blower level button	<ul style="list-style-type: none"><li>• Toggles through the blower levels.</li></ul>
4	Opening slots	<ul style="list-style-type: none"><li>• Enable a constant flow of indoor air around the sensors to ensure the indoor air conditions can be correctly measured.</li></ul>
5	Blower level LEDs	<ul style="list-style-type: none"><li>• Light up blue depending on which blower level is activated.</li><li>• The outer left LED flashes blue when the condensate and frost protection control is active.</li></ul>
6	AUTO LED	<ul style="list-style-type: none"><li>• Lights up blue when automatic mode is switched on.</li><li>• Flashes blue when the filter needs replacing.</li></ul>
7	Status LED	<ul style="list-style-type: none"><li>• Briefly lights up blue when the device is switched on.</li><li>• Lights up blue continuously when heat recovery is activated.</li><li>• Lights up white when heat recovery is deactivate.</li><li>• Flashes green while an external switch input is active (e.g. bathroom control).</li><li>• Lights up or flashes in different colours while the menu navigation is displayed.</li><li>• Lights up or flashes orange or red when there is an error.</li></ul>
-	Buzzer	<ul style="list-style-type: none"><li>• Produces a beeping sound during operation and when there is an error message.</li></ul>

### 3.3 Operation



Item	name
1	Exhaust air
2	Sensor
3	Filters
4	Rotation heat exchanger
5	Sensor
6	Filters
7	Outside air
8	Supply air
9	blower
10	blower
11	Exhaust air

AEROPLUS WRG is a bidirectional ventilation unit (including heat recovery) for ventilation of closed rooms. The exchange of air is accomplished using supply air fans and exhaust air blowers with heat recovery.

# AERO – Operating and care instructions

AEROPLUS WRG

## 3.3.1 Functions

Functional element	Device type	
	AEROPLUS WRG	AEROPLUS WRG smart
Exhaust-air filter ISO Coarse ≥ 30%	●	●
Supply-air filter ISO Coarse ≥ 45%	●	●
Supply-air filter ISO ePM1 ≥ 50%	○	○
Supply-air filter NOx	○	○
Touch control	●	●
WIFI / Operation via SIEGENIA Comfort app	-	●
Inside temperature and humidity sensor	●	●
Outside temperature and humidity sensor	●	●
CO <sub>2</sub> sensor	-	●
Different blower levels	●	●
Automatic mode	●	●
Child-proof lock	●	●
Condensate and frost protection control	●	●
Manual close	●	●
Filter replacement indicator	●	●
External inputs	●	●
Deactivation of heat recovery	●	●
SI-BUS	●	●

Symbol	Explanation
●	Standard version
○	Optional or alternative version
-	not available

## 3.3.2 Temperature and humidity sensor

- The inside temperature and humidity sensor measures the inside temperature as well as the inside humidity.
- The outside temperature and humidity sensor measures the outside temperature as well as the outside humidity.
- The SIEGENIA Comfort app displays the measured values.

## 3.3.3 CO<sub>2</sub> sensor

- The CO<sub>2</sub> sensor measures the CO<sub>2</sub> content indoors.
- The SIEGENIA Comfort app displays the CO<sub>2</sub> content using a traffic light system and a numerical value.

### 3.3.4 Blower levels

- The touch control uses 4 LEDs to indicate the blower levels.
- The blower levels can be adjusted via the touch control, the ventilation control unit, the SIEGENIA Comfort app or external inputs.
- Operation via the touch control: use the "blower level" button to adjust the air throughput.

- Operation via the SIEGENIA Comfort app: use the SIEGENIA Comfort app to continuously adjust the air throughput.
- Operation via external inputs: the ability to adjust settings via external inputs is dependent on the electrical connection.
- After a power failure, the ventilation unit switches to the last blower level used.

### 3.3.5 Automatic mode

- The touch control uses LEDs to indicate automatic mode.
- Automatic mode can be activated and deactivated via the touch control, the ventilation control unit, the SIEGENIA Comfort app or external inputs.
- Automatic mode controls the blower levels automatically depending on the environmental conditions.

- The necessary blower level is dependent on the temperature and air humidity as well as optionally on the CO<sub>2</sub> value. The least favourable value is the significant value.
- The blowers do not switch off in automatic mode. The blowers always run at a low level at least.

### 3.3.6 Child safety

- The child-proof lock blocks Touch Control.
- When the child-proof lock is activated, the device can only be controlled via the SIEGENIA Comfort app or via external inputs.

### 3.3.7 Condensate and frost protection control

- The condensate and frost protection control protects the device and ensures the device functions even when outside temperatures are low.
- The supply-air volume flow is reduced at an outside temperature of +5°C.
- Depending on the environmental conditions, which are constantly recorded by the humidity and temperature sensors, the volume flow of the supply

air is reduced even further if necessary. These conditions could be lower outside temperatures or a particularly high indoor humidity, for example.

- If the outside temperature reaches a value below -15°C, the ventilation unit is switched off for at least 1 hour until the outside temperature rises again.
- As soon as the outside temperature rises above -10°C again, the device switches to the last level used.

### 3.3.8 Manual close

- The supply-air and exhaust-air openings of the ventilation unit can be closed manually with sliders.
- It is possible to close the openings completely or partially. The more the openings are closed, the lower the volume of supply air or exhaust air.
- All four openings can be closed independently of each other. This allows the supply-air and exhaust-air volume to be adjusted individually.

### 3.3.9 Filter replacement indicator

- When the filter needs replacing, the AUTO LED flashes blue.
- When the filter needs replacing, the SIEGENIA Comfort app displays a warning message.
- The filter replacement indicator can be reset via the touch control or the SIEGENIA Comfort app.
- In the default setting, the filter needs replacing every 6 months.
- Since the contamination in the air varies depending on the environment, the filter replacement interval can be adjusted via the menu navigation.

### 3.3.10 External inputs

- The external inputs serve to operate the ventilation unit via a switch (such as a series switch or rotary switch).
- External inputs can be used to activate special functions or to integrate the ventilation unit into a building management system.
- Special function – bathroom control:
  - If a separate exhaust-air unit is running in the bathroom, the ventilation unit automatically switches to supply-air mode at a specified blower level.
  - If the exhaust air unit in the bathroom switches off, the ventilation unit will continue to run for a period of time.
  - This run-on time can be adjusted via the menu navigation.
  - When bathroom control is active, the ventilation unit cannot be operated via the touch control.
- Special function – night or cross ventilation:
  - Night or cross ventilation requires two ventilation units that are configured accordingly via the menu navigation.
  - One ventilation unit runs in exhaust-air mode and one ventilation unit runs in supply-air mode.

### 3.3.11 Deactivation of heat recovery

- During the summer, heat recovery can be deactivated using the touch control.
- The rotary heat exchanger is switched off until heat recovery is reactivated.

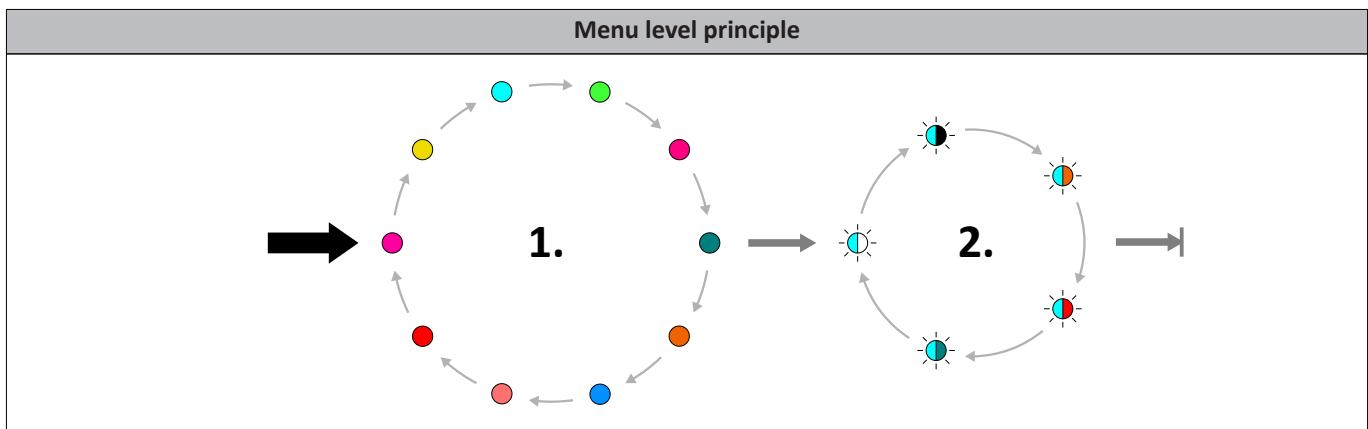
### 3.3.12 SI-BUS

- The ventilation unit is coupled with the external ventilation control unit via the SI-BUS.
- Up to 9 other ventilation units can be integrated into the SI-BUS system.
- If there is more than one ventilation unit in the SI-BUS system, the coupled ventilation units follow a

master-slave hierarchy. The master is always the ventilation unit from whose menu the coupling was carried out.

- It is possible to couple different types of ventilation units, e.g. 3 x AEROMAT VT and 6 x AEROPLUS WRG.

### 3.4 Menu



Button pressed on LED button	Description
→ 8 seconds	Change to menu level 1
→ 3 seconds	Change to menu level 2
→ 3 seconds	Save menu items
↔ 1 second	Change inside the menu

Menu level 1	Menu level 2	Value
<b>Buzzer volume</b>		
	●	100 %
	●	75 %
	●	<b>50 % (default value)</b>
	●	25 %
	●	0 %
<b>LED brightness</b>		
	●	100 %
	●	75 %
	●	<b>50 % (default value)</b>
	●	25 %
	●	5 %

# AERO – Operating and care instructions

AEROPLUS WRG

Menu level 1	Menu level 2	Value
<b>LED timeout</b>		
		10 s
		<b>15 s (default value)</b>
		20 s
		25 s
		30 s
<b>Bathroom control run-on time</b>		
		<b>0 min. (default value)</b>
		3 min.
		10 min.
		15 min.
		25 min.
<b>Limit for automatic mode</b>		
		Level 1
		Level 2
		Level 3
		Level 4
		<b>Level 5 (default value)</b>
<b>Filter running time</b>		
		<b>6 months (default value)</b>
		9 months
		12 months
<b>Mode of operation for night ventilation</b>		
		Supply air
		Exhaust air
		<b>Supply/exhaust air (default value)</b>
<b>Device services</b>		
		Restart the device
		Default setting
		SW version
		Delete active faults
		Switch acoustic error signal on/off

Menu level 1	Menu level 2	Value
<b>System services</b> Once the power has been switched on, the system services menu can only be selected within the first 30 minutes. After that, this function is disabled.		
	 Couple devices	
	 Disconnect devices	
	 Factory settings	
	 WIFI on	
	 WIFI off	
<b>WIFI</b> Once the power has been switched on, the WIFI menu can only be selected within the first 30 minutes. After that, this function is disabled.		
	 Reset WIFI	
	 WPS mode	

### 3.5 Technical specifications

The technical specifications have been determined with an ISO Coarse 45% supply-air filter and ISO Coarse 30% exhaust-air filter.

		AEROPLUS WRG	AEROPLUS WRG smart
Sound absorption in ventilation mode Pipe length 270/340/500 mm (measured in accordance with DIN EN 10140-2)	with PVC weather grille	49/50/50 dB	49/50/50 dB
	with weather protection hood	51/52/52 dB	51/52/52 dB
	with EPP vent duct	54/55/57 dB	54/55/57 dB
Air throughput	Blower level 1	10 m <sup>3</sup> /h	10 m <sup>3</sup> /h
	Blower level 2	20 m <sup>3</sup> /h	20 m <sup>3</sup> /h
	Blower level 3	30 m <sup>3</sup> /h	30 m <sup>3</sup> /h
	Blower level 4	45 m <sup>3</sup> /h	45 m <sup>3</sup> /h
	Blower level 5	60 m <sup>3</sup> /h	60 m <sup>3</sup> /h
Inherent noise L <sub>pA</sub> (measured according to DIN EN ISO 13141-8, sound pressure level with room insulation of 8 dB)	Blower level 1	19 dB (A)	19 dB (A)
	Blower level 2	23 dB (A)	23 dB (A)
	Blower level 3	26 dB (A)	26 dB (A)
	Blower level 4	31 dB (A)	31 dB (A)
	Blower level 5	36 dB (A)	36 dB (A)
Heat recovery efficiency		max. 93%	max. 93%
Power consumption	Blower level 1	5 W	6 W
	Blower level 2	6 W	7 W
	Blower level 3	7 W	8 W
	Blower level 4	10 W	11 W
	Blower level 5	15 W	17 W
Supply voltage		230 V AC	230 V AC
Supply frequency		50 Hz	50 Hz
Operating voltage		24 V DC	24 V DC
Protection class		II	II
Weight		5.6 kg	5.6 kg
Permissible operating temperature		-15 – +40 °C	-15 – +40 °C
Length of connecting cable		5 m	5 m

### 3.6 Spare parts

Name	Contents	Pc.	Material numbers
Supply-air filter ISO Coarse	Supply-air filter ISO Coarse 45%	1	L3350010-093010
Supply-air filter ePM1	Supply-air filter ISO ePM1 50%	1	L3350020-093010
Supply-air filter NOx	Supply-air filter NOx	1	L3350030-093010
Exhaust-air filter/AEROPLUS WRG	Exhaust-air filter ISO Coarse 30%	2	L3350040-093010

### 3.7 Accessories

Name	Contents	Pc.	Material numbers
Felt front panel	Front panel with felt cover	1	L5350110-097010
Front panel in pearl dark grey	Front panel in pearl dark grey (similar to RAL9023)	1	L5350120-0F9010
Ventilation control unit	Ventilation control unit for external operation	1	L7360010-004010
Ventilation control unit sensors	Ventilation control unit with integrated sensors for external operation	1	L7360020-004010

### 4 Commissioning

#### 4.1 Integrating the ventilation unit into WIFI

1. Install the SIEGENIA Comfort app.
2. [Connecting the ventilation unit to WIFI.](#)

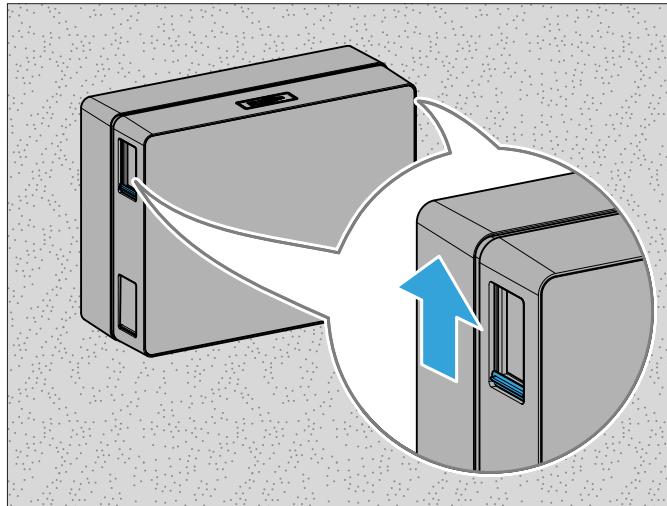


## 5 Operation

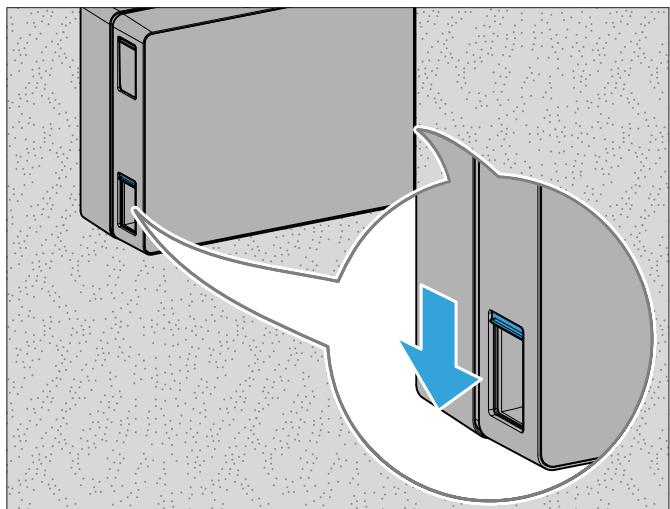
### 5.1 Close

The supply-air and exhaust-air openings can be manually closed and opened again independently of each other to regulate the supply-air and exhaust-air volume individually.

1. To close the exhaust-air openings, pull the slider upwards as far as required.



2. To close the supply-air openings, pull the slider down as far as required.



### 5.2 Operating the touch control

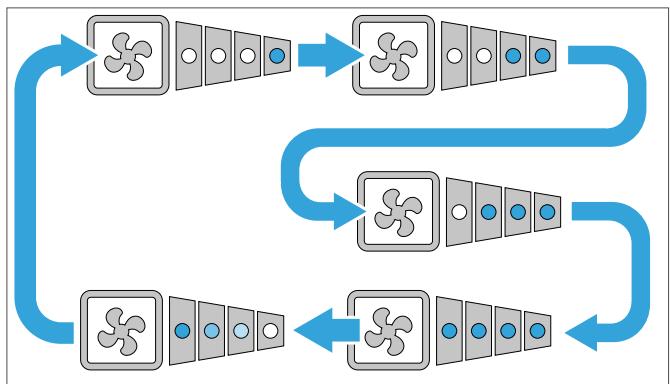
#### 5.2.1 Setting the blower level

At blower level 5, the LEDs light up one after the other.

1. Switch the ventilation unit on using the "ON/OFF" button.



2. Set the desired blower level by repeatedly pressing the "blower level" button.



### 5.2.2 Activating and deactivating automatic mode

1. Switch the ventilation unit on using the "ON/OFF" button.
2. Activate automatic mode by pressing the AUTO button.



1. Switch the ventilation unit on using the "ON/OFF" button.
2. Activate automatic mode by pressing the AUTO button.



3. To deactivate automatic mode, press the AUTO button again.

### 5.2.3 Activating and deactivating the child-proof lock

1. Switch the ventilation unit on using the "ON/OFF" button.



2. Press the following buttons one after the other.



→ The child-proof lock is activated.

3. To deactivate the child-proof lock, press the following buttons one after the other again.

## 5.3 Adjustment of menu functions

### 5.3.1 Setting the buzzer volume

Menu level 1	Menu level 2	Value
●	●	100 % volume
	●	75 % volume
	●	<b>50 % volume (default setting)</b>
	●	25 % volume
	●	0 % volume

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.

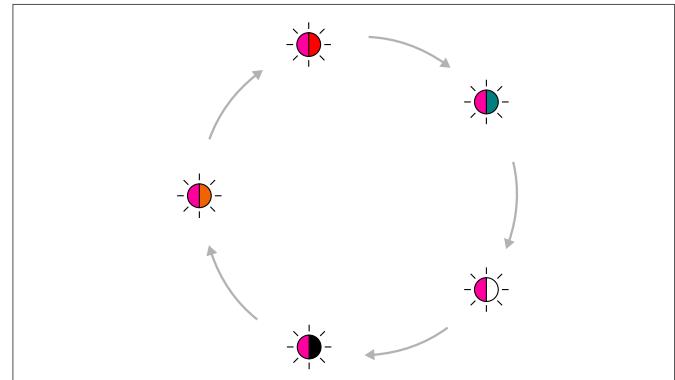


→ The status LED lights up magenta.

2. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

3. To change the setting, press the AUTO button according to the scheme.



4. Hold down the AUTO button for 3 seconds to save the selected setting.

### 5.3.2 Setting the LED brightness

Error messages are always displayed, regardless of the brightness level set.

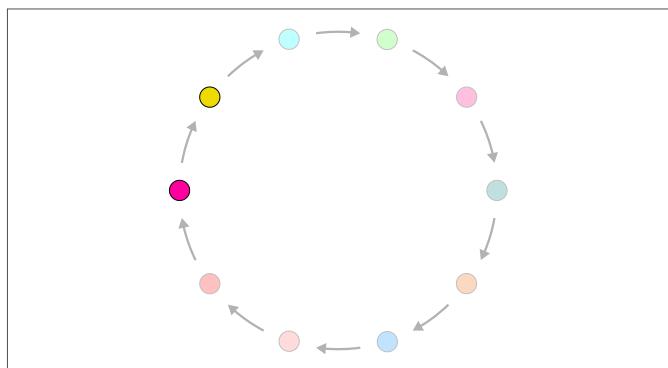
Menu level 1	Menu level 2	Value
		100 %
		75 %
		<b>50 % (default setting)</b>
		25 %
		5 %

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

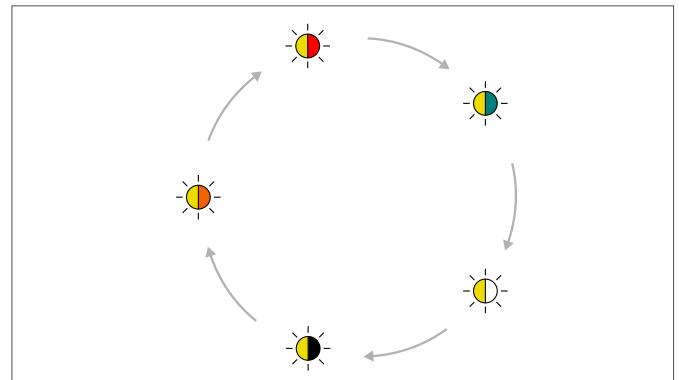
2. Press the AUTO button according to the scheme until the status LED lights up yellow.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. To change the setting, press the AUTO button according to the scheme.

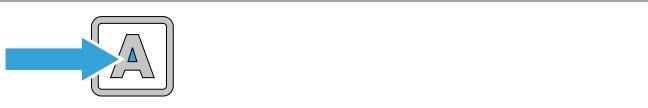


5. Hold down the AUTO button for 3 seconds to save the selected setting.

### 5.3.3 Setting the LED timeout

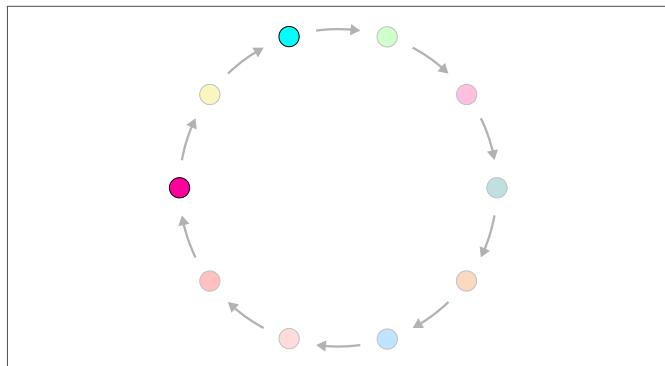
Menu level 1	Menu level 2	Value
		10 s
		<b>15 s (default setting)</b>
		20 s
		25 s
		30 s

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

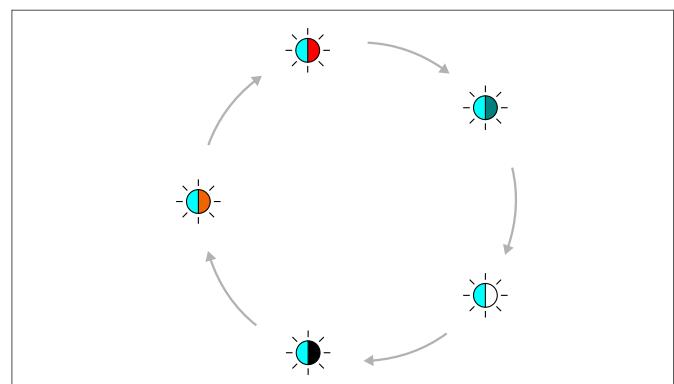
2. Press the AUTO button according to the scheme until the status LED lights up cyan.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. To change the setting, press the AUTO button according to the scheme.



5. Hold down the AUTO button for 3 seconds to save the selected setting.

### 5.3.4 Setting the bathroom control run-on time

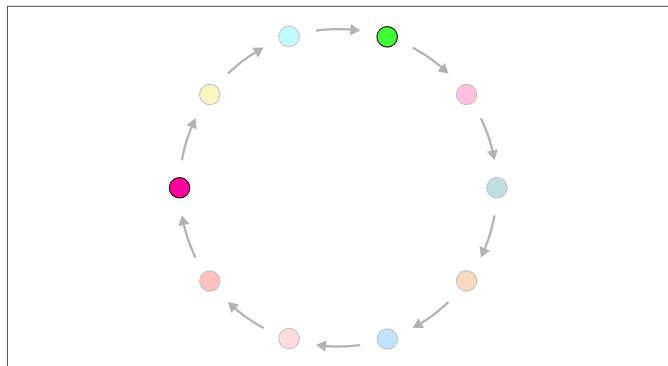
Menu level 1	Menu level 2	Value
		<b>0 min (default setting)</b>
		3 min.
		10 min.
		15 min.
		25 min.

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

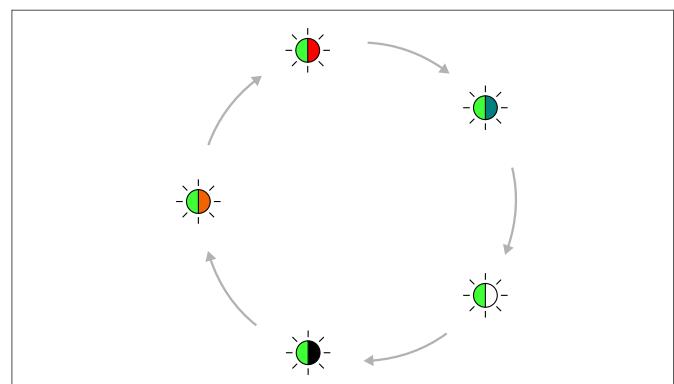
2. Press the AUTO button according to the scheme until the status LED lights up light green.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. To change the setting, press the AUTO button according to the scheme.



5. Hold down the AUTO button for 3 seconds to save the selected setting.

### 5.3.5 Setting the limit for automatic mode

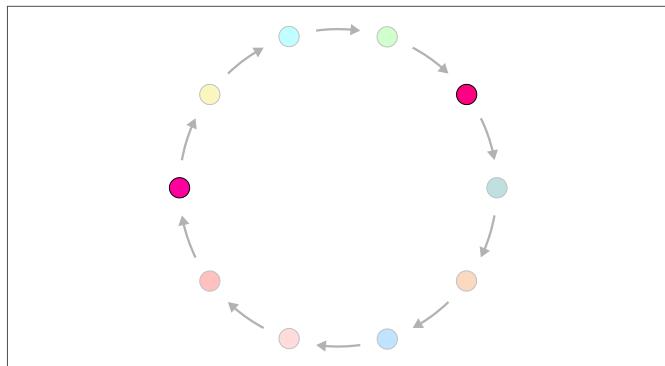
Menu level 1	Menu level 2	Value
		Level 1
		Level 2
		Level 3
		Level 4
		Level 5 (default value)

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

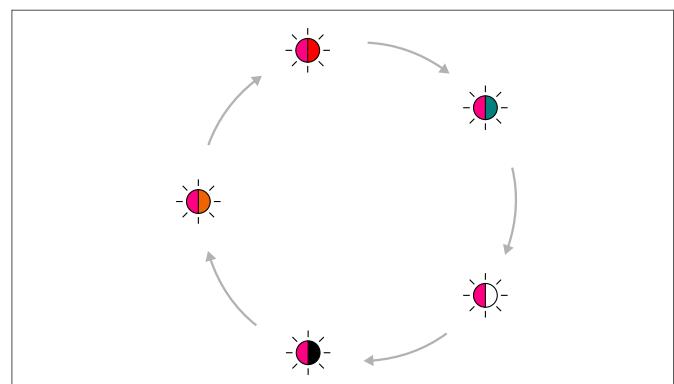
2. Press the AUTO button according to the scheme until the status LED lights up hot pink.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. To change the setting, press the AUTO button according to the scheme.



5. Hold down the AUTO button for 3 seconds to save the selected setting.

### 5.3.6 Setting the filter running time

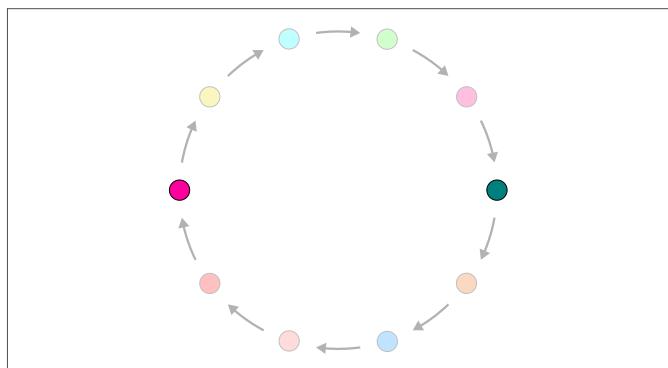
Menu level 1	Menu level 2	Value
		<b>6 months (default value)</b>
		9 months
		12 months

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

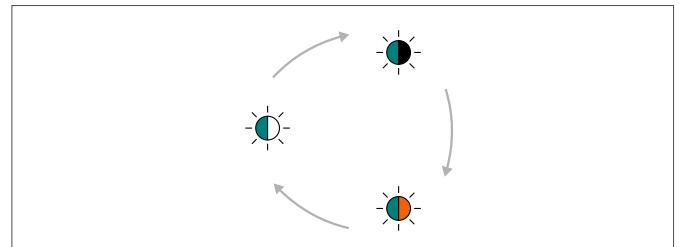
2. Press the AUTO button according to the scheme until the status LED lights up turquoise.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. To change the setting, press the AUTO button according to the scheme.



5. Hold down the AUTO button for 3 seconds to save the selected setting.

### 5.3.7 Setting the operating mode for night ventilation

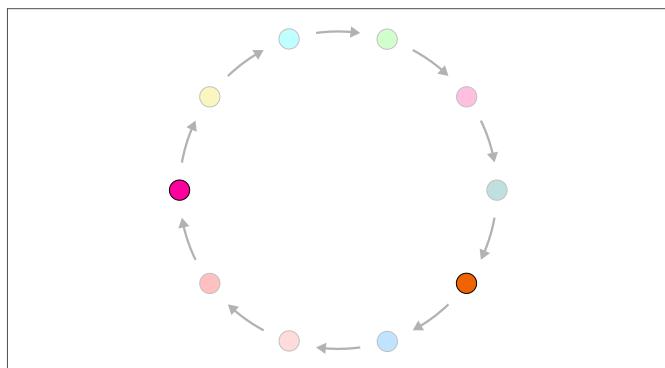
Menu level 1	Menu level 2	Value
		Supply air
		Exhaust air
		<b>Supply/exhaust air (default value)</b>

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

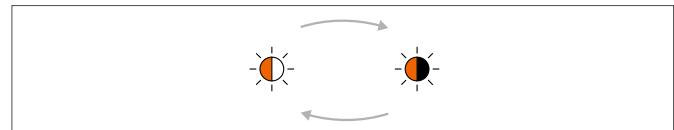
2. Press the AUTO button according to the scheme until the status LED lights up orange.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. To change the setting, press the AUTO button according to the scheme.



5. Hold down the AUTO button for 3 seconds to save the selected setting.

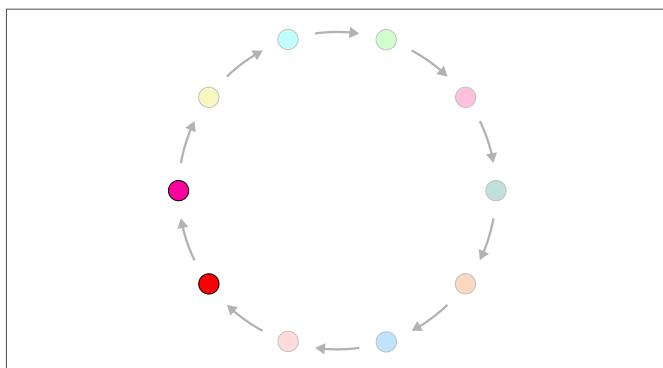
### 5.3.8 Establishing the WIFI connection

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

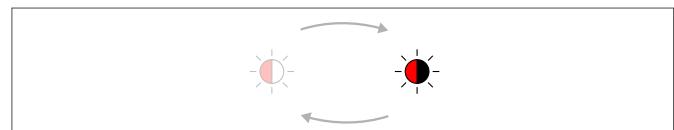
2. Press the AUTO button according to the scheme until the status LED lights up red.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. If the status LED flashes red and white: press the AUTO button once.



→ The status LED flashes red.

5. To save the setting, press and hold the AUTO button for 3 seconds.

→ The WPS function is activated and the system searches for WIFI access for 2 minutes.  
→ Once the WIFI connection has been established, the ventilation system can be connected to the home network.

### 5.3.9 Switching WIFI on and off

WIFI is switched on as standard on delivery.

#### Prerequisite

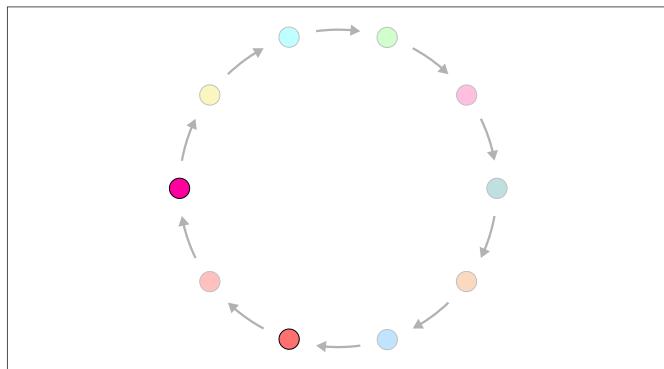
- The WIFI connection has been established,  
Establishing the WIFI connection (see page 28).

- Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

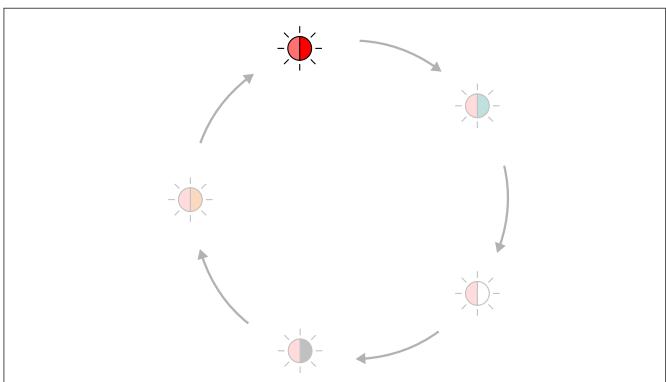
- Press the AUTO button according to the scheme until the status LED lights up pink.



- Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

- To switch WIFI on, press the AUTO button according to the scheme until the status LED flashes pink and red.



- Hold down the AUTO button for 3 seconds to save.

→ WIFI is switched on.

→ The SIEGENIA Comfort app can be used.

- To switch WIFI off, press the AUTO button until the status LED in menu level 2 flashes pink and turquoise.

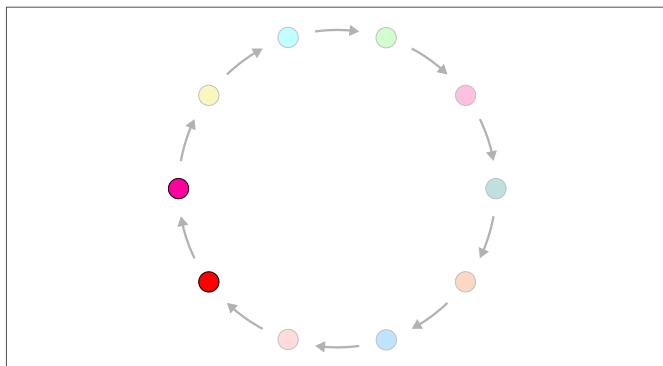
### 5.3.10 Carrying out a WIFI reset

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

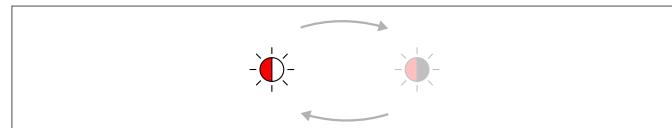
2. Press the AUTO button according to the scheme until the status LED lights up red.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. If the status LED flashes red: press the AUTO button once.



→ The status LED flashes red and white.

5. To save the setting, press and hold the AUTO button for 3 seconds.

→ All WIFI settings (including password) will be restored to the default settings.

### 5.3.11 Coupling SI-BUS devices

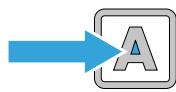
The AEROPLUS WRG can be coupled with the external ventilation control unit and up to 8 other ventilation units via the SI-BUS.

If two or more ventilation units are coupled, the ventilation units follow a master-slave hierarchy. The following steps must be carried out in the menu of the AEROPLUS WRG that is to be the master device.

#### Prerequisite

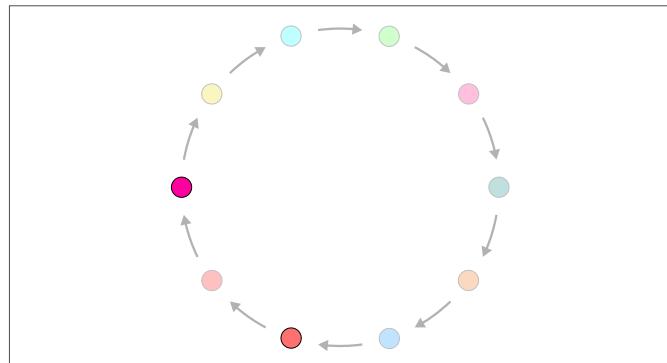
- All devices that are to be coupled are connected to the SI-BUS.

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

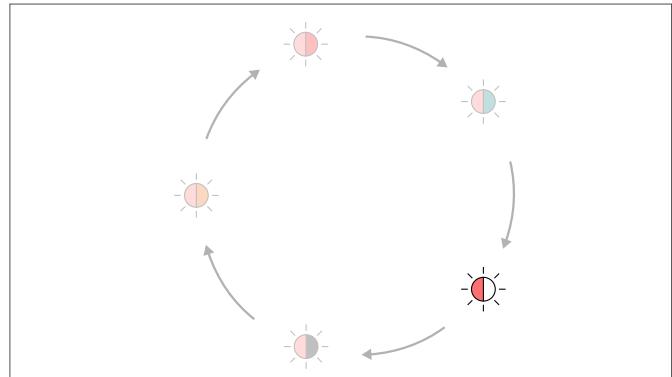
2. Press the AUTO button according to the scheme until the status LED lights up pink.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. Press the AUTO button according to the scheme until the status LED flashes pink and white.



5. Hold down the AUTO button for 3 seconds to save.

→ All devices that are connected via the SI-BUS are integrated into the system one after the other.

→ During the coupling process, the device in question emits a beeping sound.

### 5.3.12 Decoupling SI-BUS devices

The following steps must be carried out on the master device.

#### Prerequisite

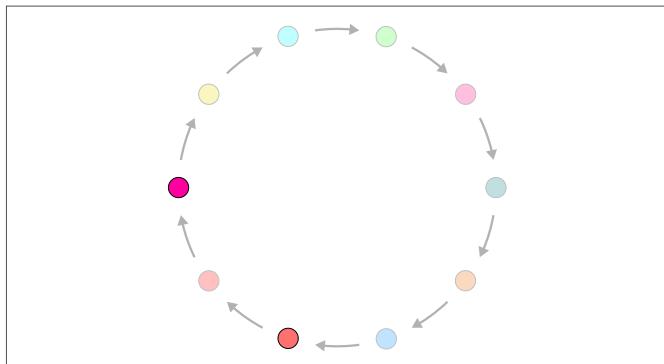
- All devices that are to be decoupled have been disconnected from the SI-BUS.

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

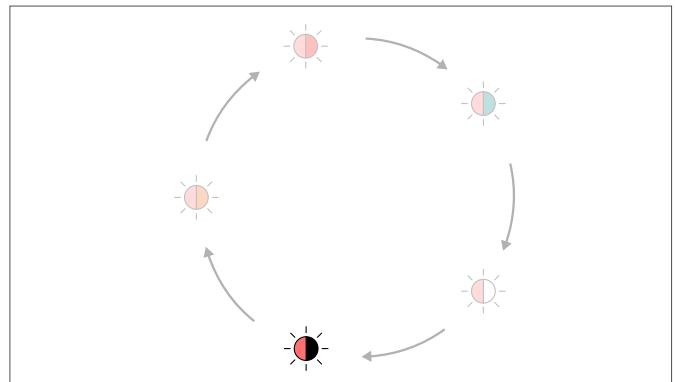
2. Press the AUTO button according to the scheme until the status LED lights up pink.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. Press the AUTO button according to the scheme until the status LED flashes pink.



5. Hold down the AUTO button for 3 seconds to save.

→ All devices that have been disconnected from the SI-BUS are decoupled.

→ All devices that are still connected remain coupled.

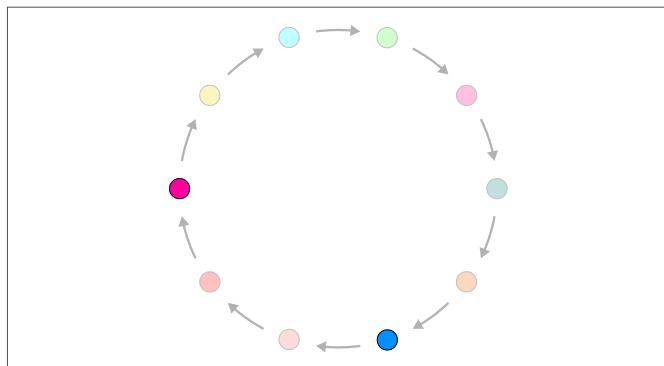
### 5.3.13 Deleting active faults

- Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

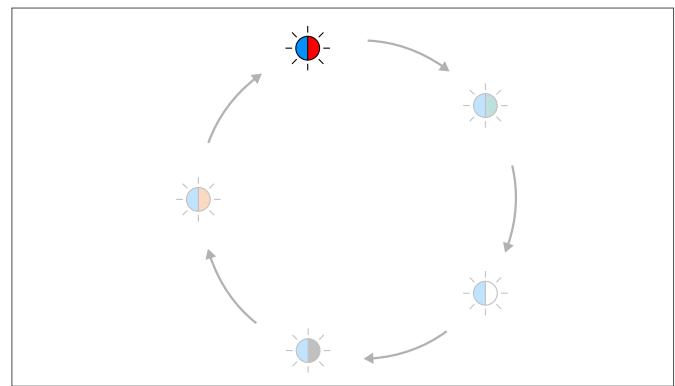
- Press the AUTO button according to the scheme until the status LED lights up light blue.



- Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

- Press the AUTO button according to the scheme until the status LED flashes light blue and red.



- Hold down the AUTO button for 3 seconds to save.

→ All active errors are deleted.

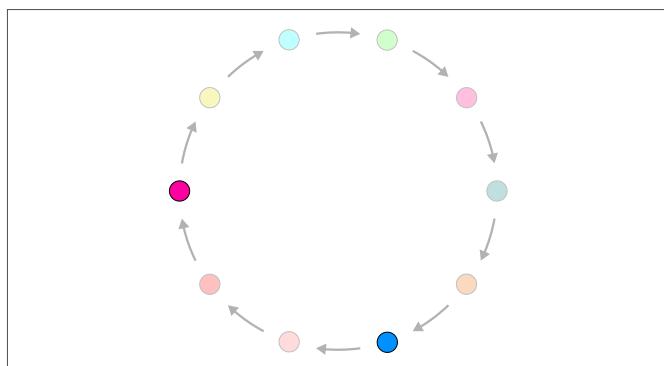
### 5.3.14 Resetting the device to default settings

- Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

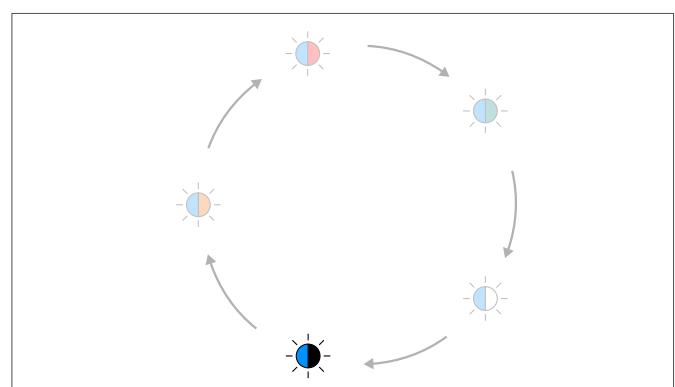
- Press the AUTO button according to the scheme until the status LED lights up light blue.



- Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

- Press the AUTO button according to the scheme until the status LED flashes light blue.



- Hold down the AUTO button for 3 seconds to save.

→ All adjustable menu items will be restored to the default settings.

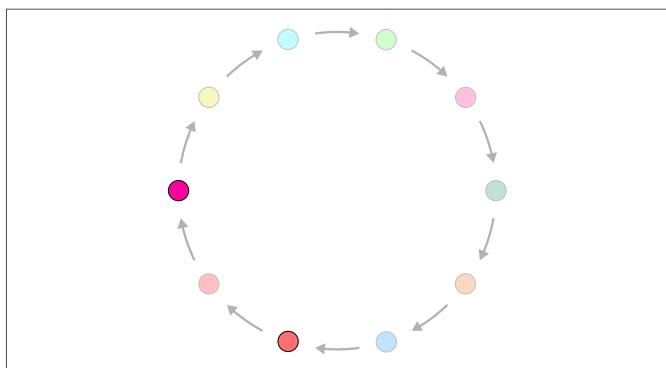
### 5.3.15 Resetting the device to factory settings

1. Call up menu level 1. To do this, press and hold the AUTO button for 8 seconds.



→ The status LED lights up magenta.

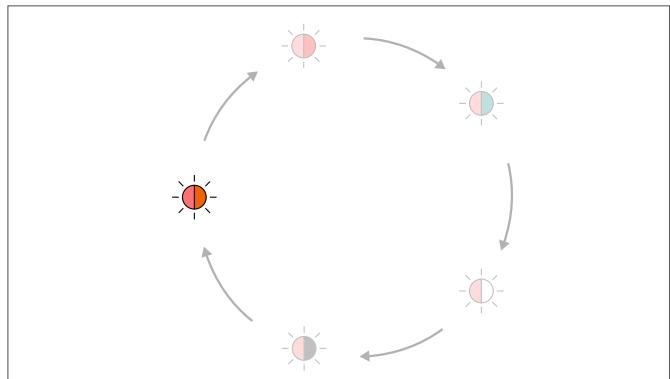
2. Press the AUTO button according to the scheme until the status LED lights up pink.



3. Switch to menu level 2. To do this, press and hold the AUTO button for 3 seconds.

→ The status LED flashes in the colour of the adjusted value.

4. Press the AUTO button according to the scheme until the status LED flashes pink and orange.



5. Hold down the AUTO button for 3 seconds to save.

→ The following settings are reset to the factory settings:

- all device couplings
- complete user administration
- all device names
- all system names
- WIFI configuration
- sensor calibration data
- timer

## 6 Care and maintenance

### 6.1 Notes on cleaning and maintenance

#### ! NOTICE

##### Material damage due to water in the device

Water inside the device can lead to damage of the device.

- Never clean the device with a high-pressure cleaner or steam-jet cleaner.

#### ! NOTICE

##### Material damage due to cleaning agents containing solvents

Cleaning agents that contain solvents can result in damage to the surface of the device housing.

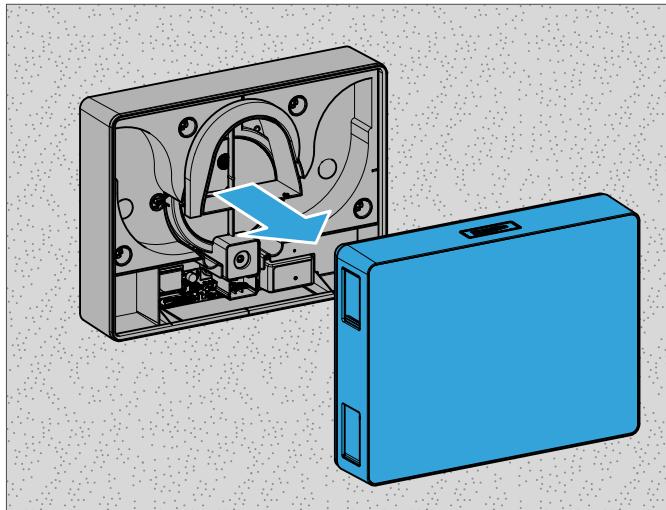
- Do not clean the device using cleaning agents containing solvents.

1. Clean the device using a damp cloth and a mild soap solution or washing-up liquid.

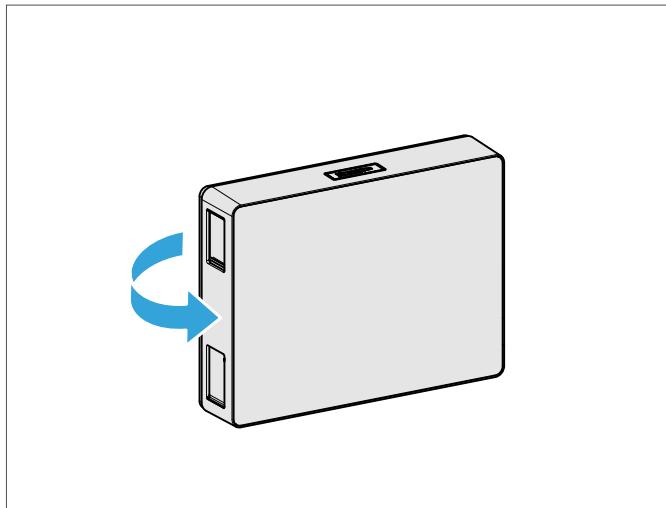
## 6.2 Replacing the air filter

### 6.2.1 Changing the exhaust-air filter

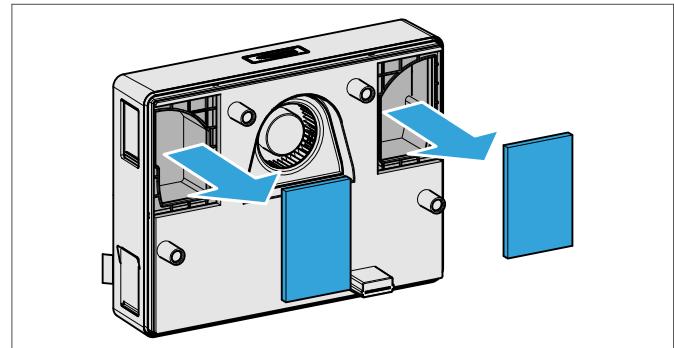
1. Remove the casing module from the wall-mounted module.



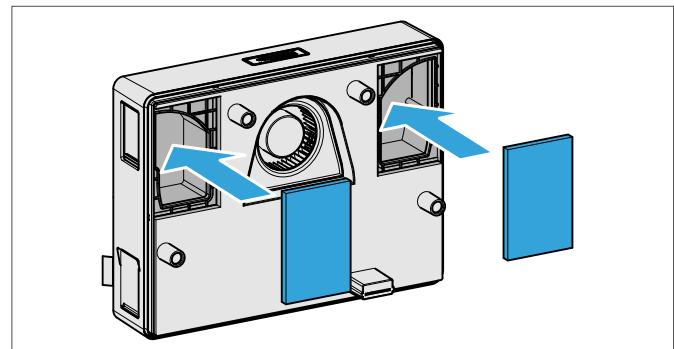
2. Turn the casing module over.



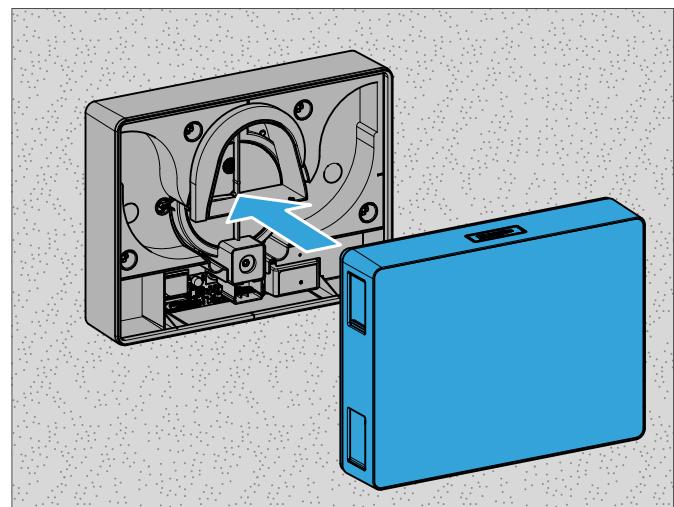
3. Remove the two air filters from inside the casing module and dispose of them.



4. Insert the new air filters.

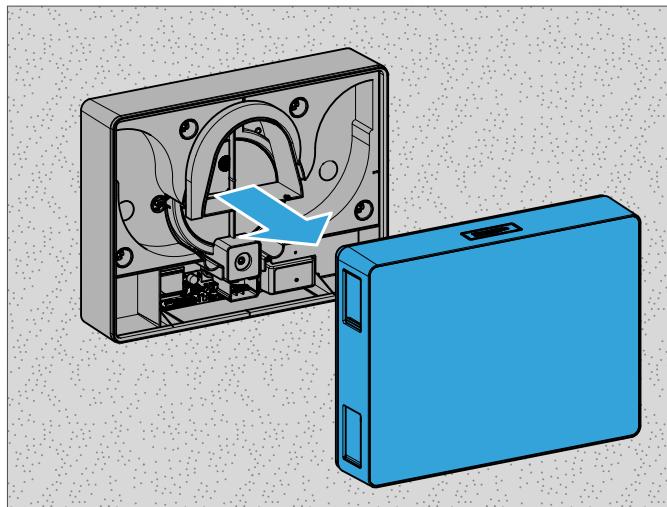


5. Fit the casing module onto the wall-mounted module.

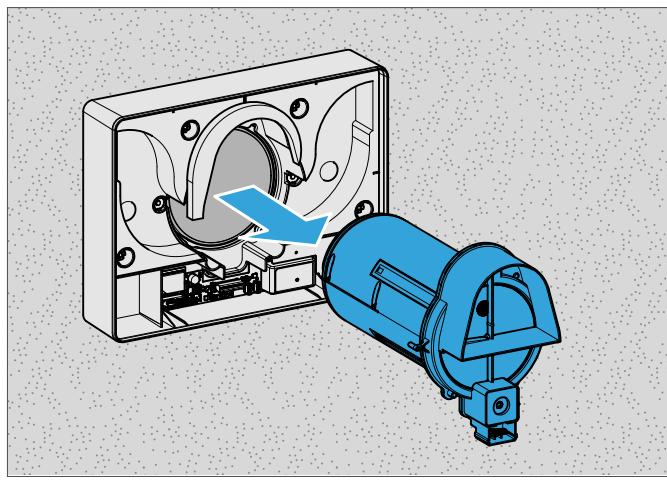


## 6.2.2 Changing the supply-air filter

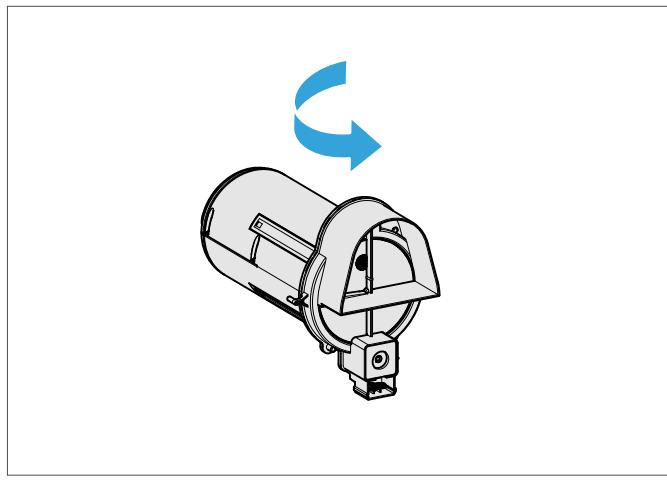
1. Remove the casing module from the wall-mounted module.



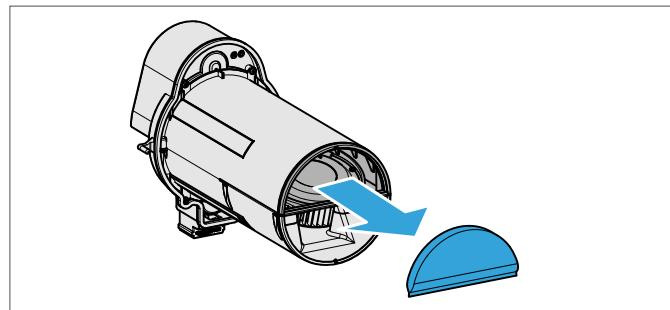
2. Remove the pipe module from the ventilation pipe.



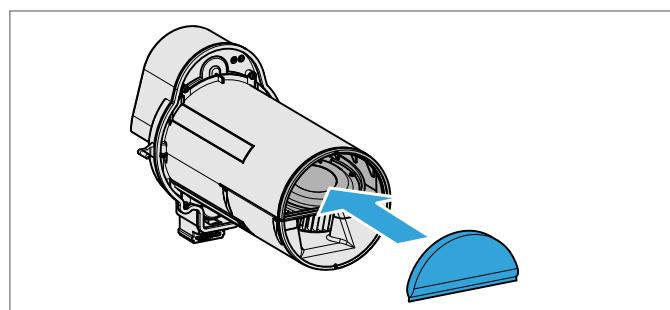
3. Turn the pipe module over.



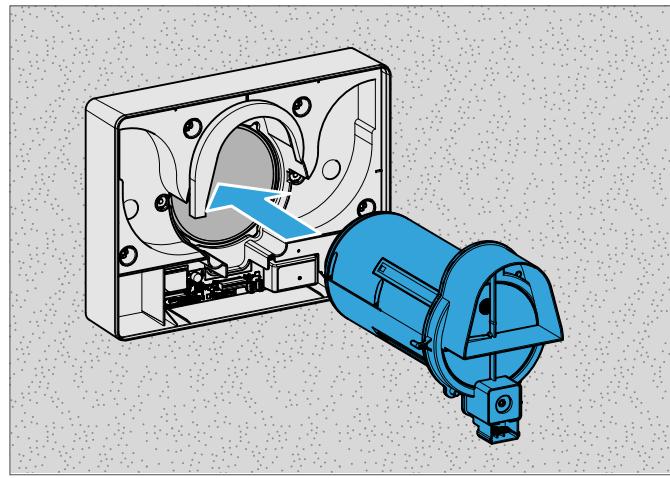
4. Remove the old air filter and dispose of it.



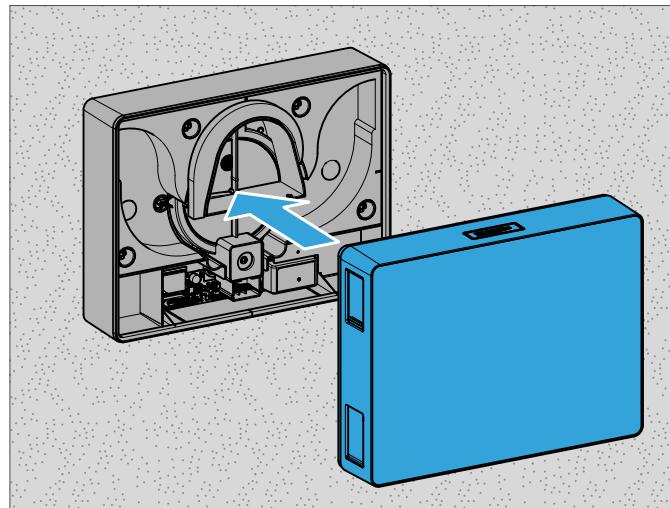
5. Insert the new air filter.



6. Slide the pipe module into the ventilation pipe.



7. Fit the casing module onto the wall-mounted module.



## 7 Troubleshooting

Contact the producer (see page 4) if this table does not describe the error.

### 7.1 Error messages on the device

Status LED	Buzzer	Possible cause	Solution
		Supply voltage defective	Check the supply voltage and power supply If the error occurs again, contact your service partner
		Internal device error	Reset errors via the menu navigation (Adjustment of menu functions (see page 21))
			If the error occurs again, contact your service partner

### 7.2 Errors on the device

Problem	Possible cause	Solution
The device does not respond when a button is pressed	No power supply	Check power supply
	Wiring wrong/defective or cable defective	Contact your service partner
	Power supply defective	Contact your service partner
The device does not respond to smartphones or tablets	The device may not be connected to WIFI	-
	no WIFI connection to the router of the home network	restart WIFI router of the home network
	no WIFI connection to the smartphone/tablet	Restart smartphone or tablet
	no WIFI connection to the device	Carry out a factory reset via the menu navigation and set the device up again

## 8 Disposal

- The product must be removed by a qualified specialist only.

## 9 Certificates

### 9.1 EU declaration of conformity

We, the producer, hereby declare that our product complies with the following directives.

Producer	Product	
SIEGENIA-AUBI KG Industriestraße 1 – 3 57234 Wilnsdorf	Device type: decentralised ventilation unit	Type designation: AEROPLUS WRG

Directives	Harmonised standards
Machinery Directive	2006/42/EC
EMC Directive	2014/30/EU
Low Voltage Directive	2014/35/EU
RoHS Directive	2011/65/EU
RED Directive	2014/53/EU

Underlying test reports: EMC Testhaus GmbH & Co KG – Test report 14/560

Wilnsdorf, 2024-01-26 Tim Opfer  
(Head of Group Development)









: 03.2024

H47.WANS020EN-00

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