

Silvento concealed variant 1 and 2 room Installation directions

- Please pass on to the user -

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Notes on these instructions

- Read these instructions carefully and completely prior to starting installation! The general safety precautions and • safety symbols with notes in the text must be observed
- When installation has been completed, pass these directions on to the user (renter, owner, block manager or other)

Symbols in these directions:



This symbol warns on danger of injury



This symbol warns on danger of injury by electricity

Safety precautions



Danger! Assembly work is only to be carried out on the ventilator when it is separated from the line voltage! The ventilator is protectively insulated to protective class II, the protective conductor connection is not needed!

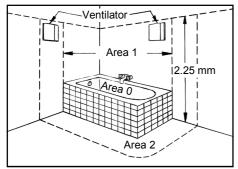
Caution! Electrical connection is only to be made by authorised skilled personnel and under observance of current VDE 0100 regulations of the German Electrical Engineering Association!



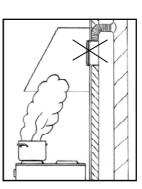
Caution! This piece of equipment is not to be operated (filter change, cleaning) by children or persons who cannot operate it properly because of their physical, sensorial or mental ability, or their inexperience or lack of appropriate knowledge



Ventilators involved in off-air exhaust must always be supplied with a functioning flow-in of outside air.

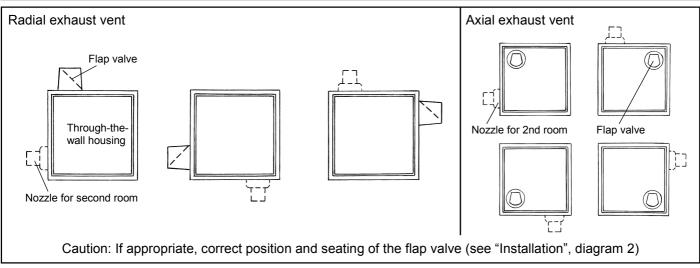


The German VDE 100 regulation permits installation in bath and shower room area 1



Ventilator installation as extractor hood is not permitted here

Possible installation position for duct fitting



230 V AC 50 Hz

12 V DC

Π

IP X4

Technical specifications

Electrical connections

Voltage supply: Control voltage (ventilator type ... FK): Protection class: Protection type: Admissible for use in area 1 of wet rooms

General

Silvento type	Volume flow	Power consumption	Sound- pressure	Run-out time	Interval	Inverse operation	Movement sensor	Humidity control range
V ¹⁾ or KL ²⁾	[m³/h]	[W]	[dB(A)]	[min.]	[h]			[% rh]
30/60/100	30/60/100	4.9/10.5/36.5	24/35/44					
30/60B	30/60	4.9/10.5	24/35				yes	
30/60ZII	30/60	4.9/10.5	24/35	6/ 15 ³⁾	4	yes		
30/60BZII	30/60	4.9/10.5	24/35	6/ 15 ³⁾	4	yes	yes	
60ZII	60	10.5	35	6/ 15 ³⁾	4	yes		
60BZII	60	10.5	35	6/ 15 ³⁾	4	yes	yes	
30/100ZII	30/100	4.9/36.5	35/44	6/ 15 ³⁾	4	yes		
30/100BZII	30/100	4.9/36.5	35/44	6/ 15 ³⁾	4	yes	yes	
100ZII	100	36.5	44	6/ 15 ³⁾	4	yes		
100BZII	100	36.5	44	6/ 15 ³⁾	4	yes	yes	
30-60 FK	30/40/50/60	5.3/7.2/8.9/10.9	24/27/32/35					50 - 70

Footnotes: 1) Silvento V units are ventilator inserts that additionally require either a concealed housing or surface-mount housing.

2) Silvento KL units are complete single pipe ventilators that are clamped in the curtain wall construction. Silvento KL single pipe ventilators fit in concealed housings of LUNOS Skalar versions.

3) The updated DIN 18017-3 requires the removal of a further 15 m³ air over the ventilation system after switching off the fan.

4) 30 min run-out time

All ventilators are equipped with a Class G2 (EN 779) filter and a filter change display.

Ventilators of the "Silvento" series fulfil all requirements:

- of DIN 18017-3; Allgemeine Bauaufsichtliche Zulassung Z-51.1-215

- for low voltage (CE) acc. to EC Directives (2006/95/EG)

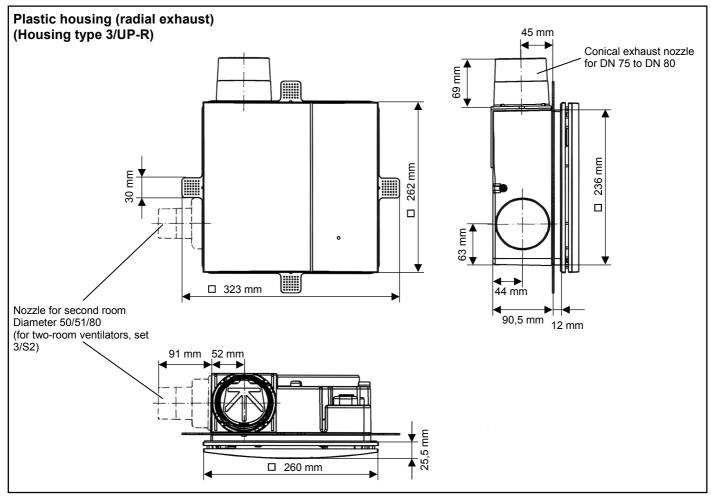
- for electromagnetic compatibility (CE) acc. to EC Directives (2004/108/EG)

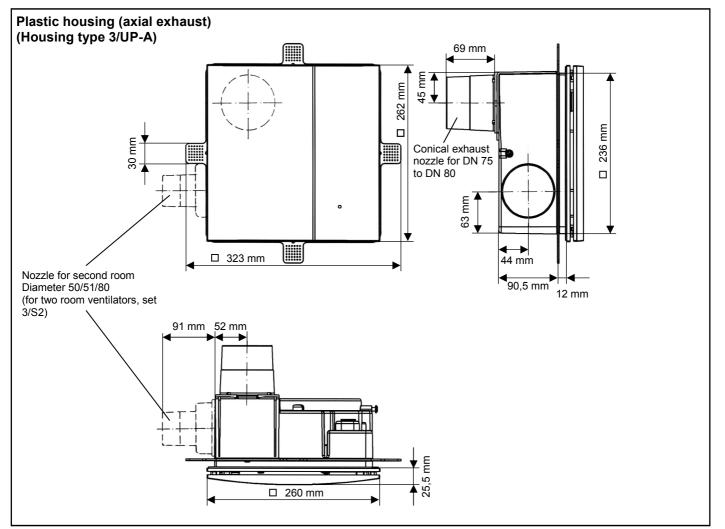
Waste disposal

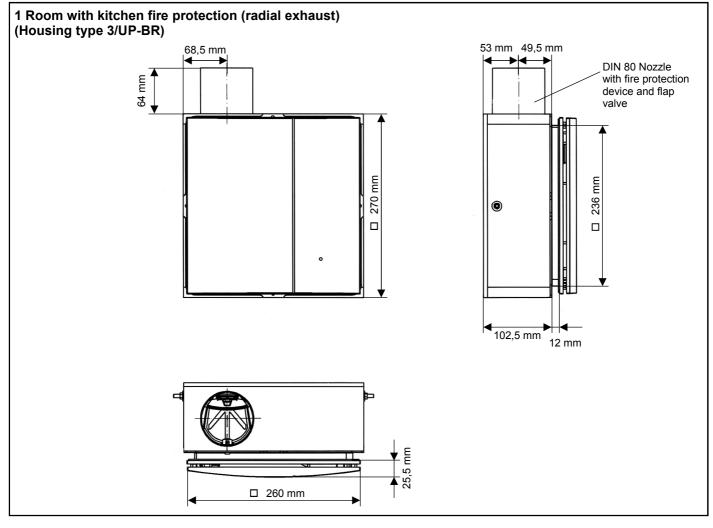


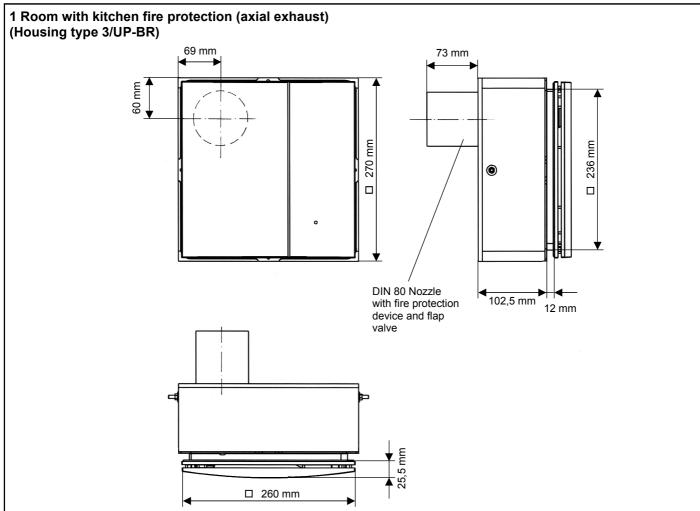
Sort the packaging for appropriate disposal. Observe current requirements should you want to dispose of the ventilator. Within the framework of the Electrical and Electronic Device Act (ElektroG), the return of this device free of charge is guaranteed at your local turn-in center.

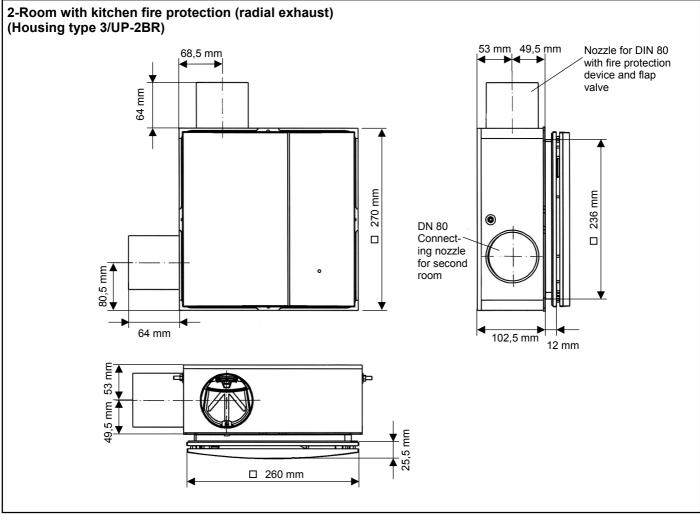
Dimensional drawings:

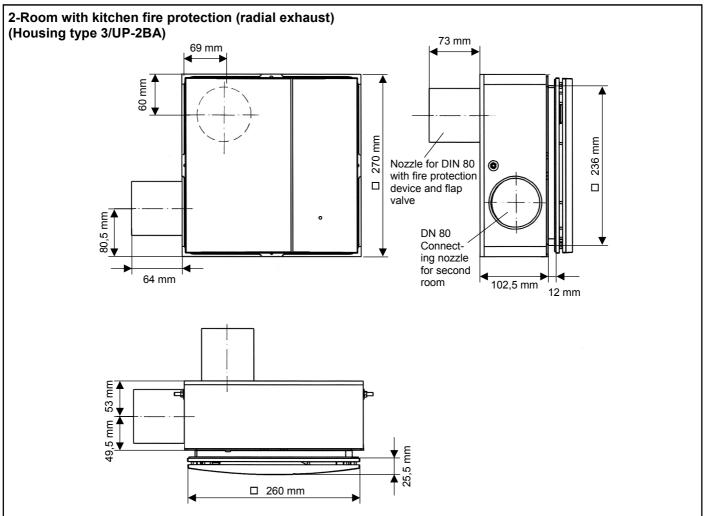








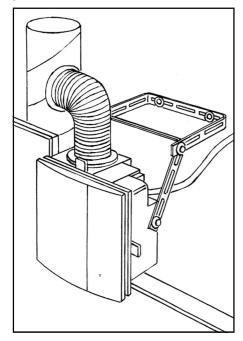


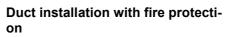


Installation examples

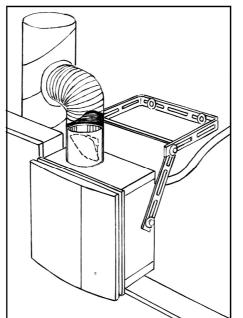
One room ventilator: Duct installation

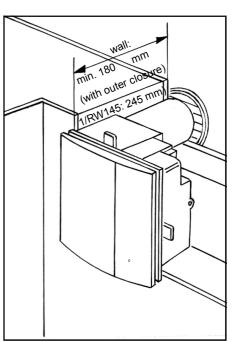
Duct installation without fire protection





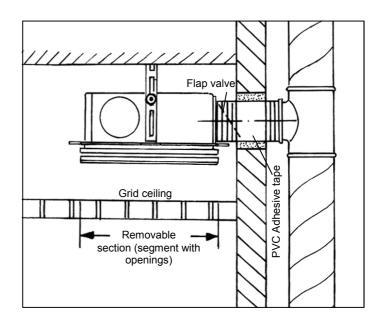
Exterior wall installation



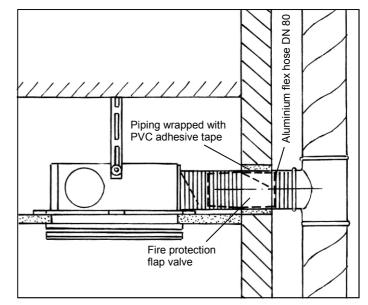


One room ventilator: Ceiling installation

Ceiling installation without fire protection



Ceiling installation with fire protection

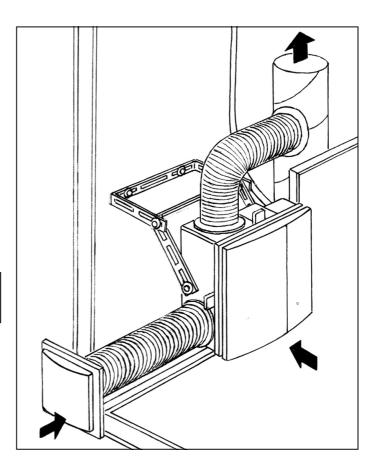


Duct installation without fire protection

Note:

All installation examples shown are possible both with radial ("exhaust upwards") and axial ("exhaust behind") exhaust openings and can be selected according to the purpose.

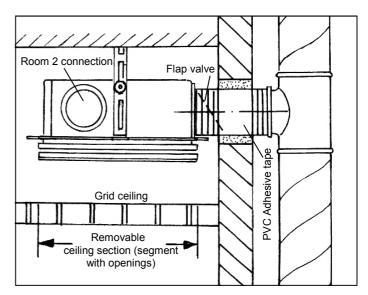
When with fire protection, the duct wall must be fire resistant for the required period.

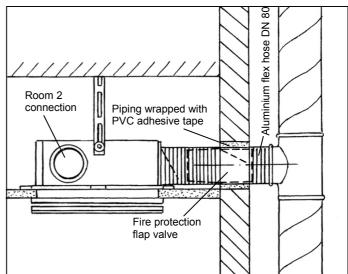


2 Room ventilator: Ceiling installation

Ceiling installation without fire protection

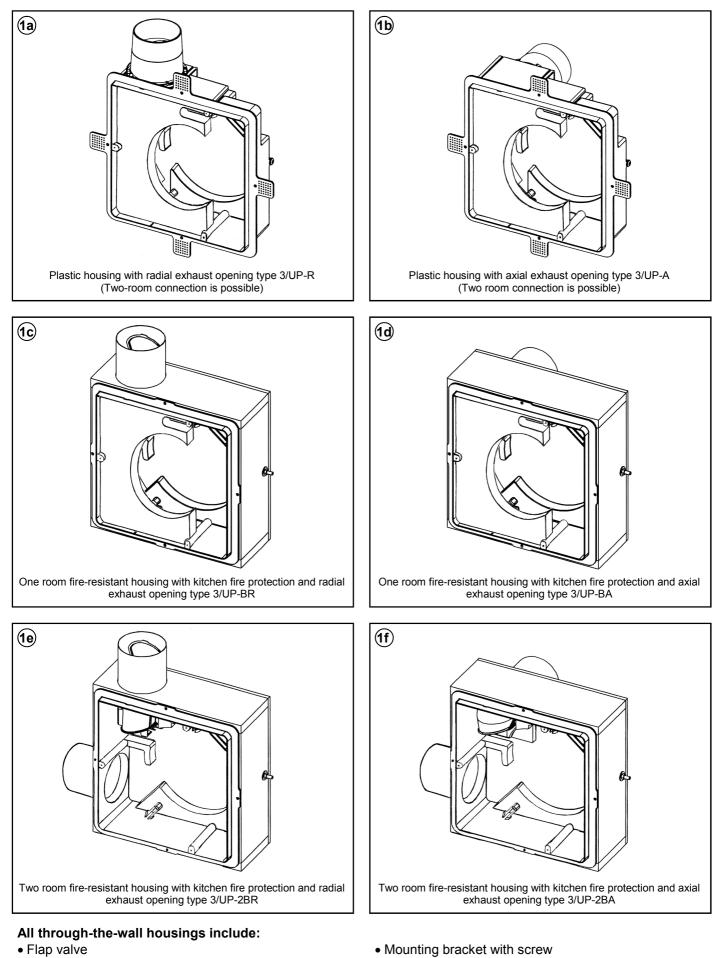
Ceiling installation with kitchen fire protection





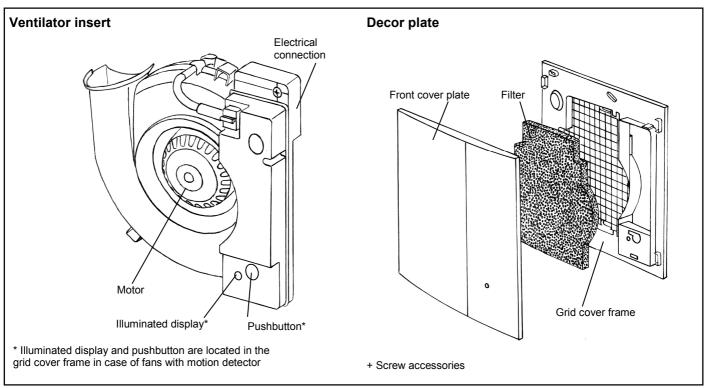
Parts supplied

(1) Wall installation housing (variant)



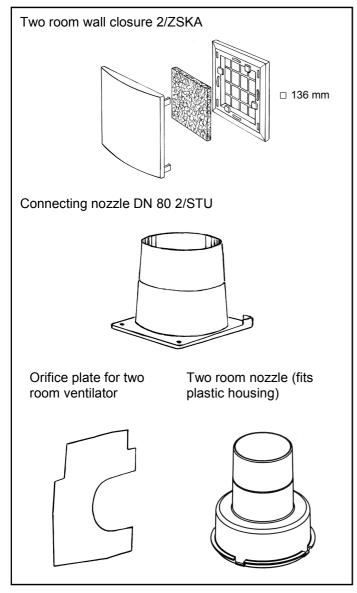
- Power supply terminal
- Plaster protective cover

(2) Ventilator insert Silvento V ...

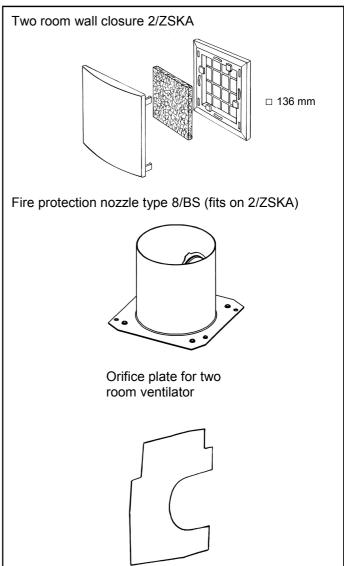


3 Two room accessories

2 Room set 3/S2



Fire protection - 2 Room set 8/B2

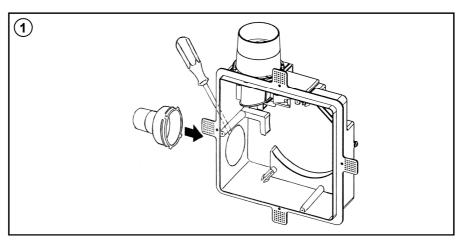


Installation - Housing and electrical connection (Is not applicable to all housing variants in the main)

Note: Remove the plaster protecting cover for installation steps 1 to 8 .

With two room systems with plastic housing:

- Remove the sound insulation (is not used with two room systems)
- Break out the two room opening and mount the two room nozzle

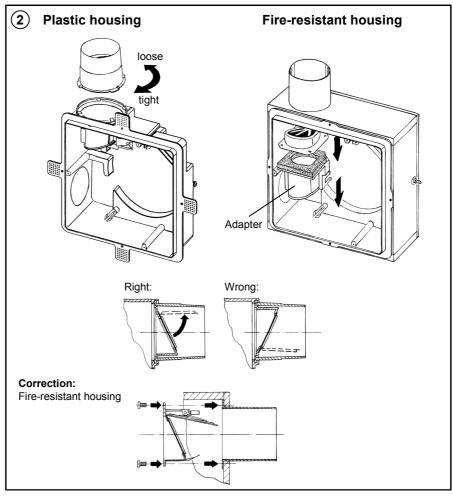


Check the flap valve position relative to the selected installation position (see p. 4):

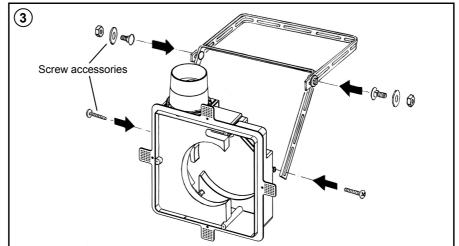
For correction:

- With plastic housings: Turn the nozzle with flap valve to disengage it, lock it back in the correct position.
- With fire protected housings: Screw off the insert with flap valve, turn it, then screw it back on.

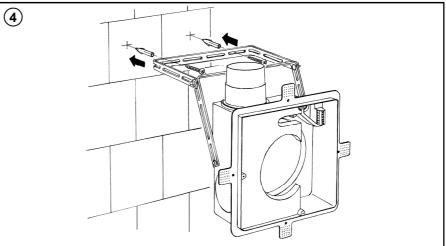
Replace the sound insulation!



Mount the assembly bracket to the housing using the screw accessories.



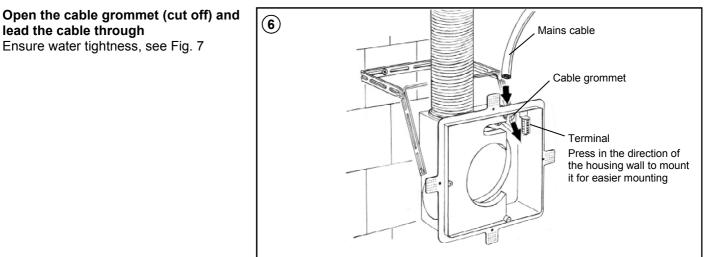
Fix the housing to the duct wall using the mounting bracket (screw accessories are not standardly supplied)



Connect the flex tube:

- Seal the connections flex tube-main piping and flex tube-nozzle with sealing tape or pipe clamps
- Flex tube for room 2
 - Wrap the piping in wall breakthrough area with PVC adhesive tape
 - Allow the tube end to overhang by approx. 10 cm to protect against penetrating dirt
 - Completely mortar the flex tube in

(5) 0 C Flex tube for room 2

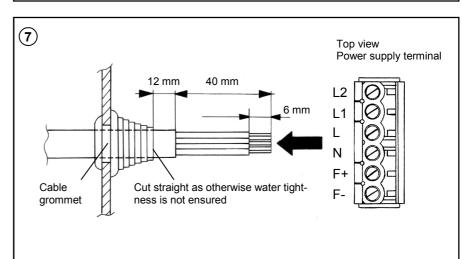


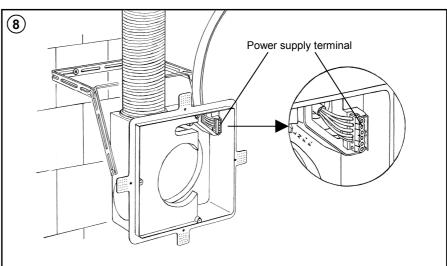
lead the cable through Ensure water tightness, see Fig. 7

Mains connection:

- Strip the mains cable as shown
- Mount the power supply terminal according to the selected connecting diagram (see connecting diagrams). For easier mounting, the terminal can be removed by a press in the direction of the housing

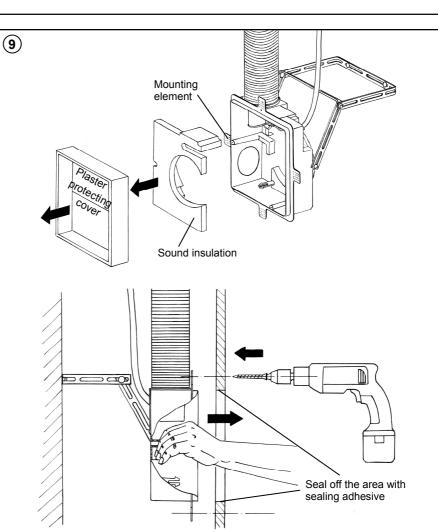
Caution! The mains cable must be dead!

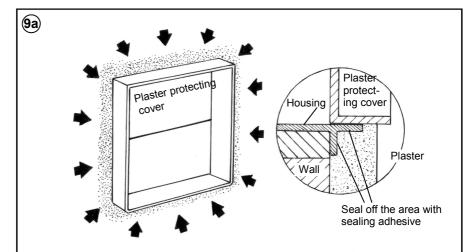




For simple mounting of plastic housings to light-weight walls use the four mounting elements at the rim of the housing:

- Take the plaster protecting cover off
- Remove the sound insulation
- Position the housing in the wall frame section from the inside and fix with drywall screws
- Replace the sound insulation
- Put the plaster protecting cover back on
- Plaster in





Put the plaster protecting cover back on:

If appropriate, pinch off the securing elements (see Fig. 9a)

- Plaster in! Leaks lead to losses in air volume flow
- Firm seating of the installed housing is first reached through duct wall and plaster

Installation - Ventilator insert and decor plate

Ventilator insert mounting:

- Take the plaster protecting cover off
- Remove the sound insulation
- Tightly lock in the ventilator insert and screw on the power supply area
- Replace the sound insulation (except for two room systems)

Caution: Do not operate one room ventilators without sound insulation.

Decor plate mounting:

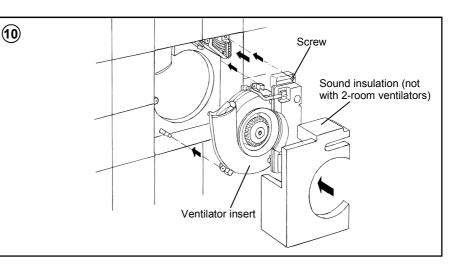
- Free up bolt openings in grid cover frame (marked with "UP"
- Use the screws supplied to fasten the grid cover frame to the ventilator hous-ing
- Put on the front cover plate and lock it

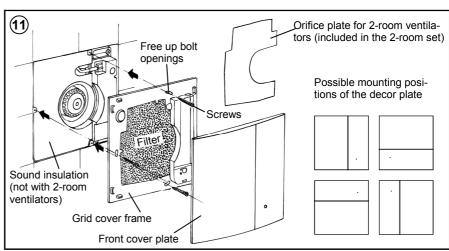
With two room ventilators:

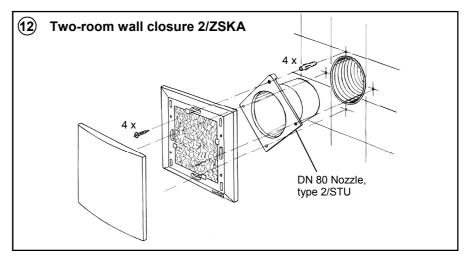
• Lay the orifice plate under the filter in the grid cover frame (there is no sound insulation in two room systems)

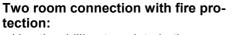
Two room connection without fire protection:

- Use the drilling template in the accompanying 2-room set
- Previously shorten overhanging flex tube by cutting flush with the wall

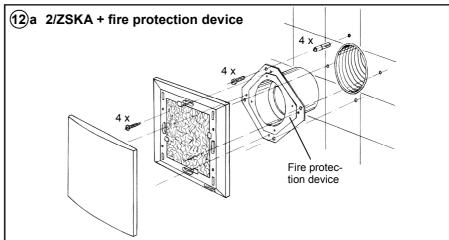


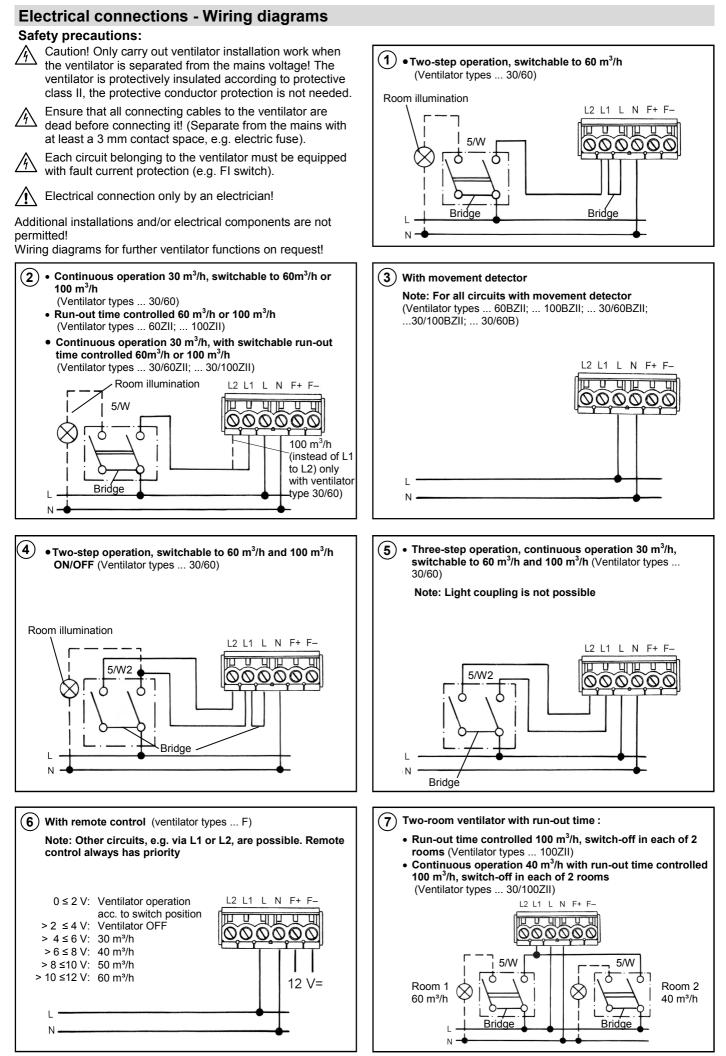


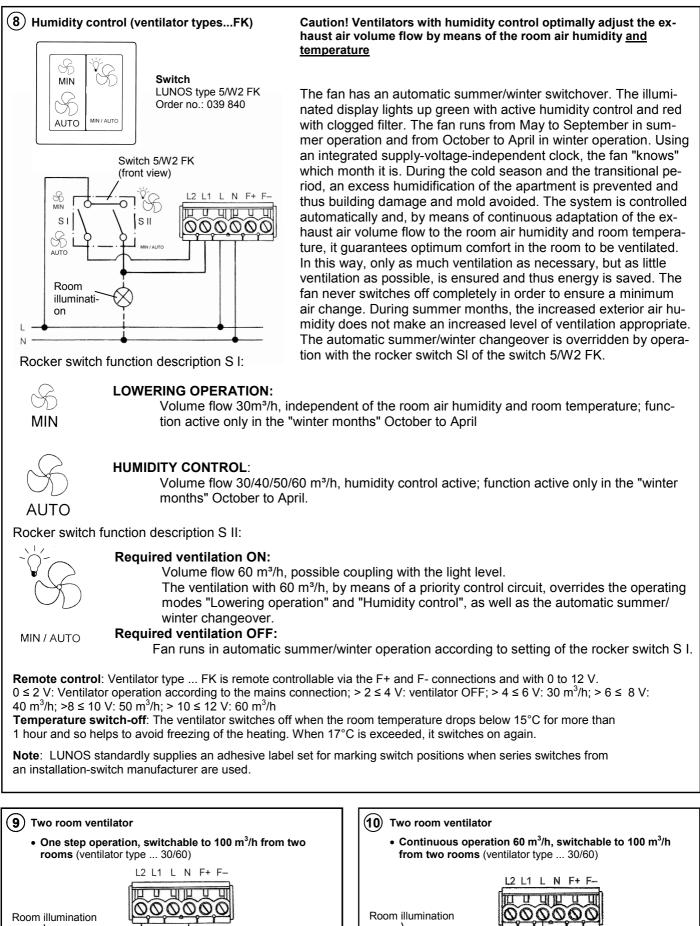




- Use the drilling template in the accompanying 2-room set
- Previously shorten overhanging flex tube by cutting flush with the wall



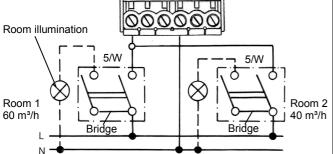


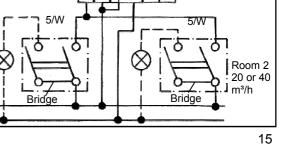


Room 1

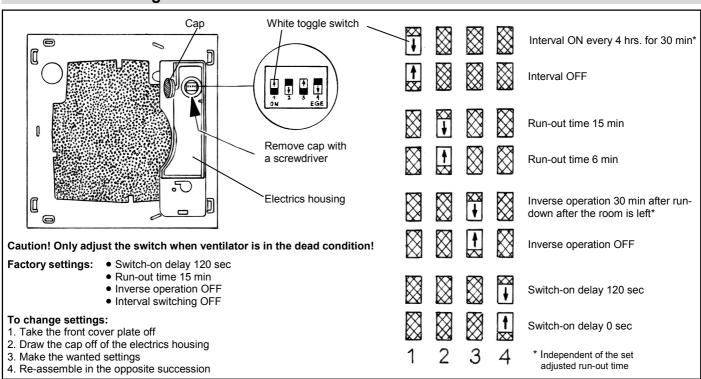
40 or 60

m³/h

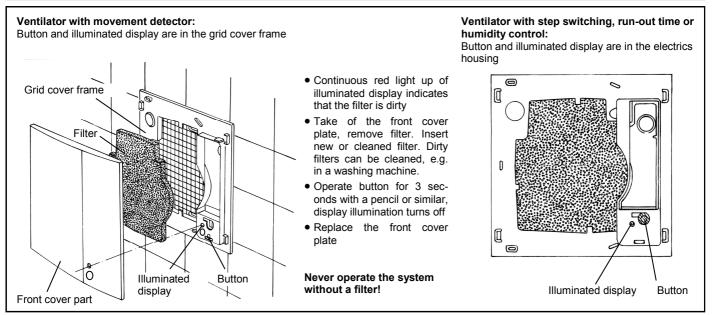




Run-out time setting: For ventilators with run-out time 5/ZII



Filter change



Cleaning

Wipe the front cover plate and grid cover frame with a dry, soft cloth when appropriate.

Filter change and cleaning are not to be carried out by children or people who cannot manage this with certainty because of their physical, sensorial or mental ability, or their inexperience or lack of appropriate knowledge

Accessory and replacement parts								
Filter, pack of 3	2/FSI-R	Order no.	039 721					
Silvento decor plate incl. filter display	2/S	Order no.	039 551					
Silvento decor plate with movement detector	2/SB	Order no.	039 578					
2-Room set consisting of two-room nozzle, film + 2/ZSKA	3/S2	Order no.	039 209					
Fire resistant 2-room set consisting of fire resistant nozzle, film + 2/ZSKA	8/B2	Order no.	039 543					



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