




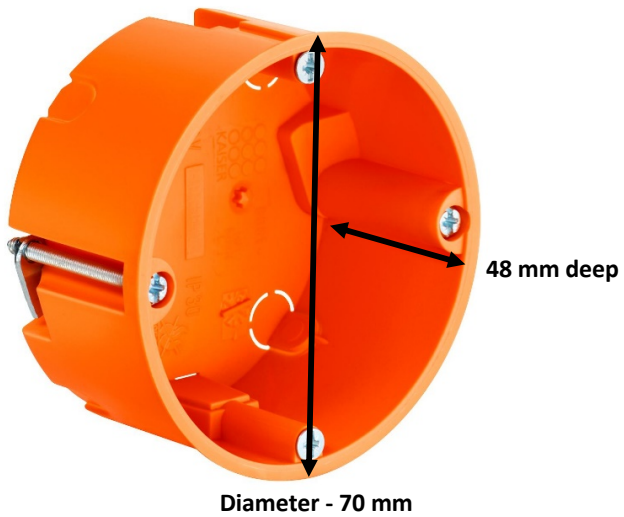
Installation Instructions e² 60 Decentralized Ventilation System with Heat Recovery



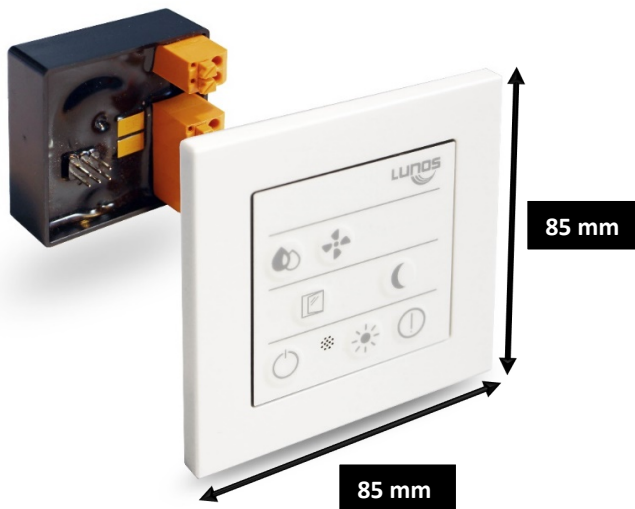
Safety instructions

-  **Beware:** Any assembly work to the ventilation device may only be carried out after disconnecting all phases of supply voltage. The ventilation device is fitted with protective insulation according to Protection Class II.
-  **Attention:** The electric connection may only be made by authorised qualified personnel and according to the applicable version of VDE 0100.
-  **Attention:** This device may not be operated by children and persons (filter replacement/ cleaning) who are not able to operate the device safely due to their psychical, sensory or mental abilities or their inexperience or lack of knowledge. Children should be supervised to ensure that they do not play with the device.

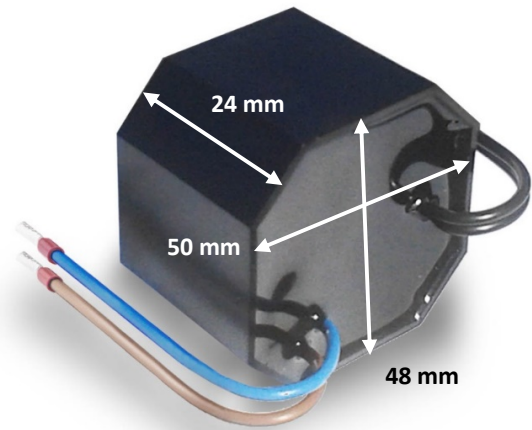
Supply Voltage:	230VAC 50Hz
Device Voltage:	12V DC SELV
Protection Rating:	IP22
Volume Flow:	min. 5m³/h – max. 60m³/h
Sound Power Level:	10 dB - 48 dB
Wiring:	KAT6, KAT5e or KNX cables (For SIPS panel house – KAT 6 ISZH, CAT5e ISZH or KNX ISZH)



Flush Box



Smart Comfort Controller



18 W Transformer

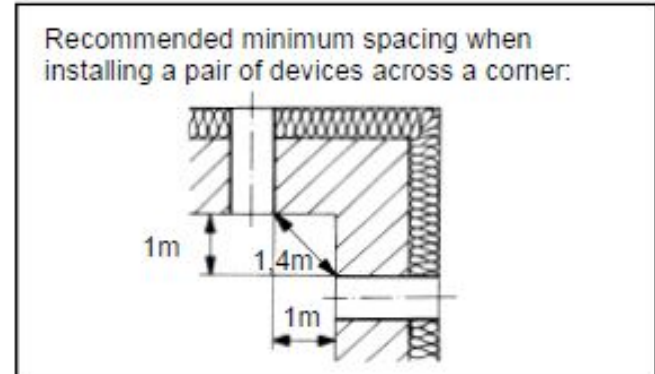
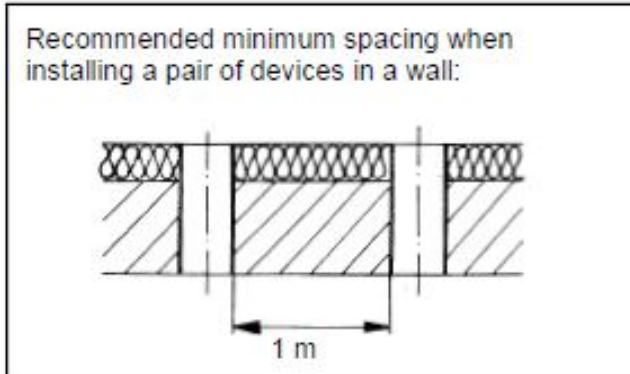


60 W Transformer

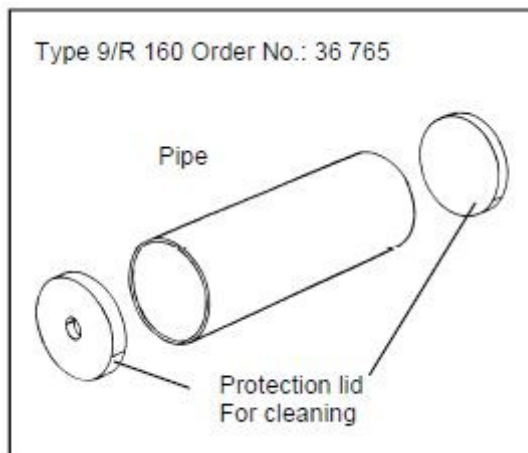
*** Please check for any visual damages for prior installing.

Installation Position:

Lunos e² only functions in pairs in bi-directional operation. The device operates 50 seconds in supply air operation, the other 50 seconds in exhaust air operation at the set air flow volume. This ensures that the total of the supply air volume is equal to the exhaust air volume. If a device pair operating in bi-directional operation is installed in two different rooms of the dwelling, a sufficient interconnection between the air movements must be provided. Undercut of doors minimum 12mm. In summer the e² units cycle every hour.



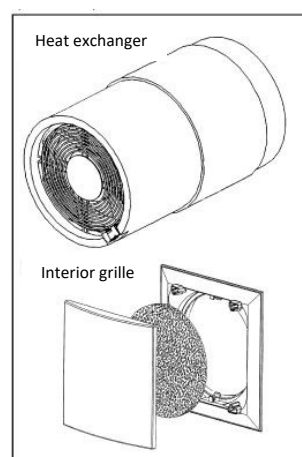
Shipping parts:



160mm PVC tube



Exterior grilles



Heat exchanger unit & interior grille

Assembly:

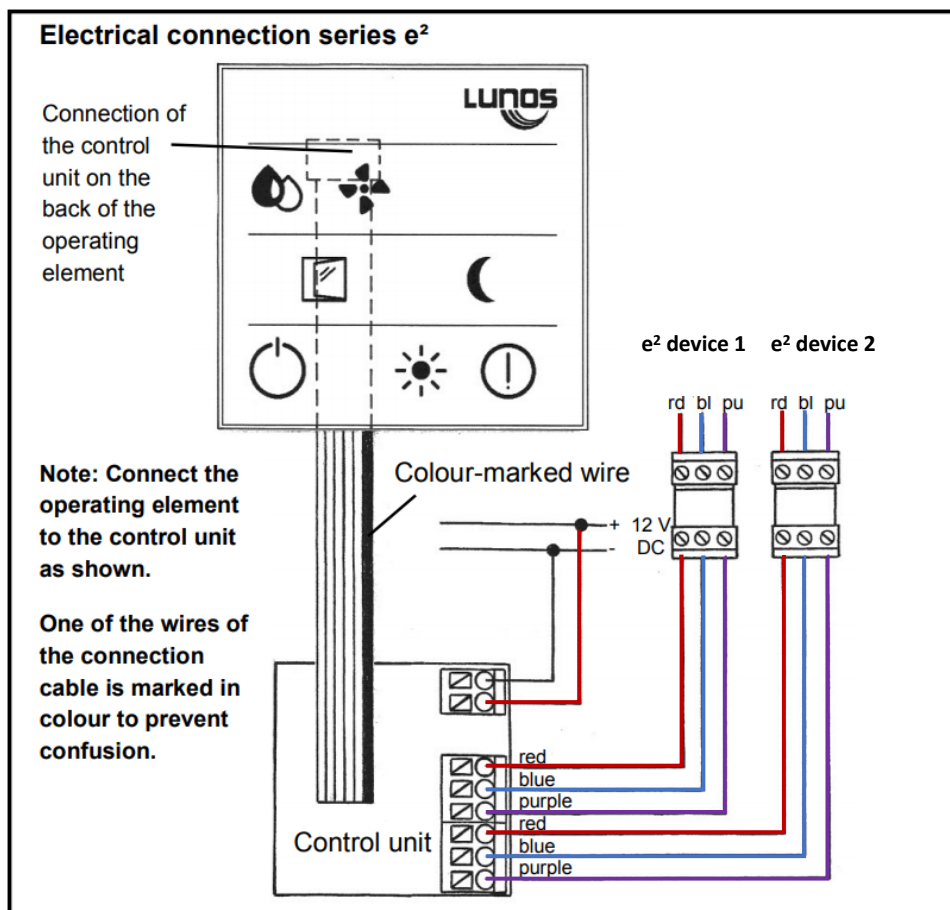
Step 1 - Make the wall openings for the assembly tubes ($\varnothing 160$ mm) by using **hole saw bit $\varnothing 162$ mm**. When installing in timber frame, fix to timber and seal with Proclima grommet (which is supplied) to building wrap or like. Tube to have slight **3 mm** fall to outside. If necessary, shorten the pipe to the required installation length (**min. 190mm**). Take care that the tube overlaps on the outside of the cladding as its sits around 5 to 10 mm inside the external aluminium grilles. The PVC tubes sits flush with the inside of the GIB. (The PVC tube to have a slit cut out on the inside, to allow cable entry - image on next page).




Electrical Installation, electrical Connection & safety instruction:

Step 2

Transformer can be localized (18W transformer) near the flush box for smart comfort controller (5/SC-FT) or installed it in the switch board (60W transformer). Install 240 V power cabling to the transformer and then run CAT6 cabling to Controller +ve and -ve. Then run CAT6 cables to each e² unit (S1, +ve, -ve or S2, +ve, -ve) as below diagram.

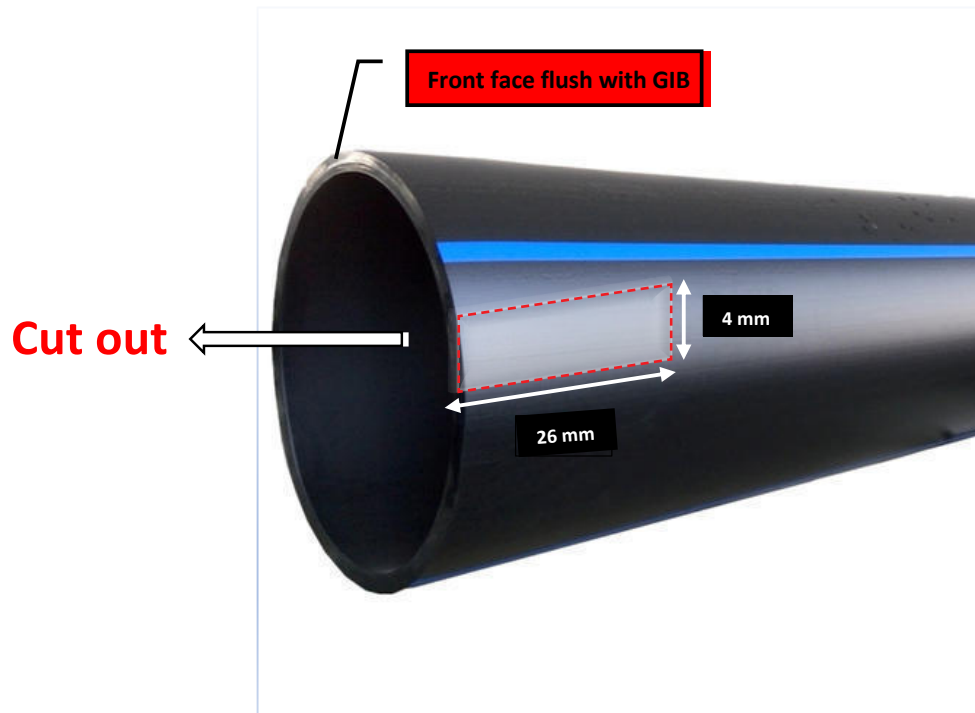
Note: Use KAT 6 ISZH, KAT 5e ISZH or KNX ISZH **cables for SIPS panel houses**.



-  Make sure that the supply voltages of all circuits are disconnected.
-  Each electrical circuit of this ventilation system must be fitted with a residual current protection (RCD).
-  Electrical connections are to be completed only by a qualified electrician.

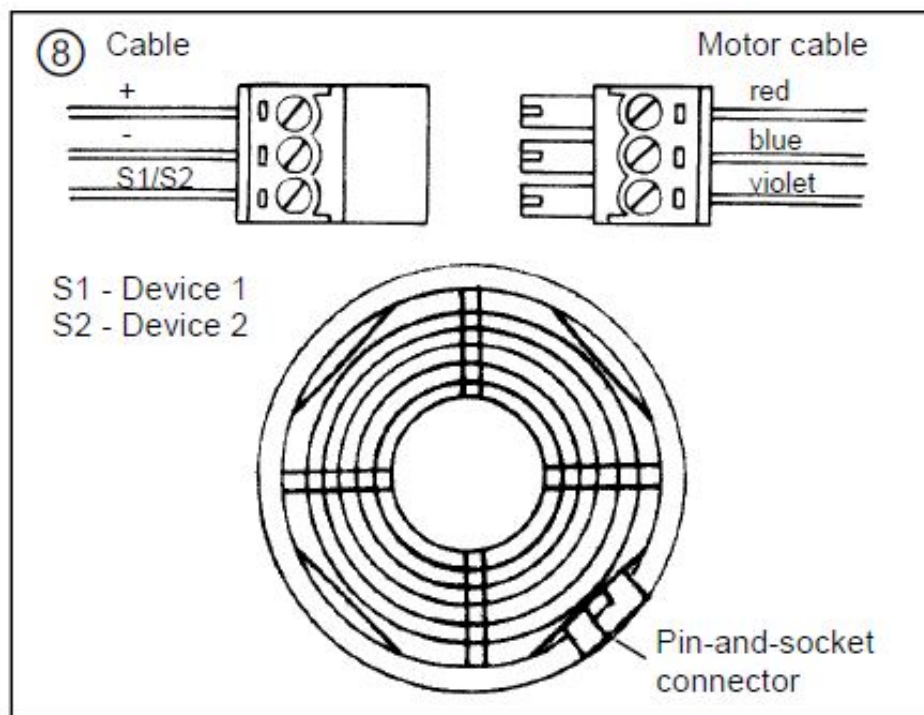
For CAT6 cable entry to e² device

the slit, as per image below, to be minimum 26mm long and 4mm wide. This can be anywhere on the front face as e² unit can rotate in tube.



Connect cables to plugs, insert pin and socket connectors into the recess of the heat exchanger casing.

NOTE: The violet (purple) wire is always the signal (S1 or S2) connection



Step 4

Interior grilles



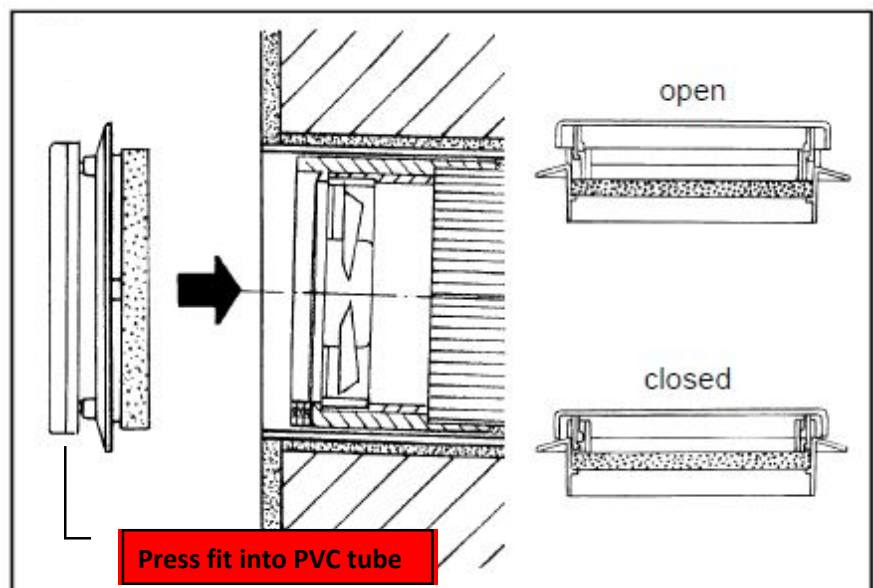
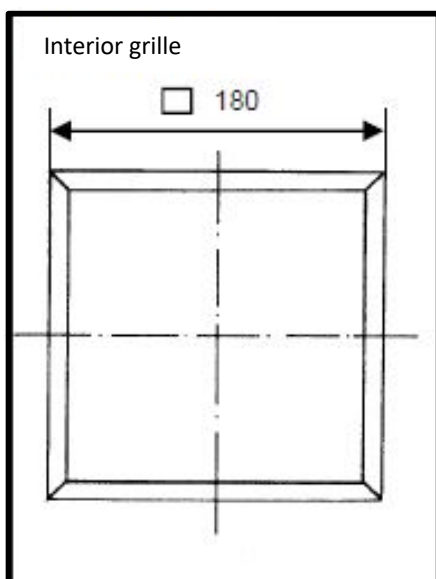
9/IBE – Standard interior grille

or

9/IBS – Sound absorbing interior grille



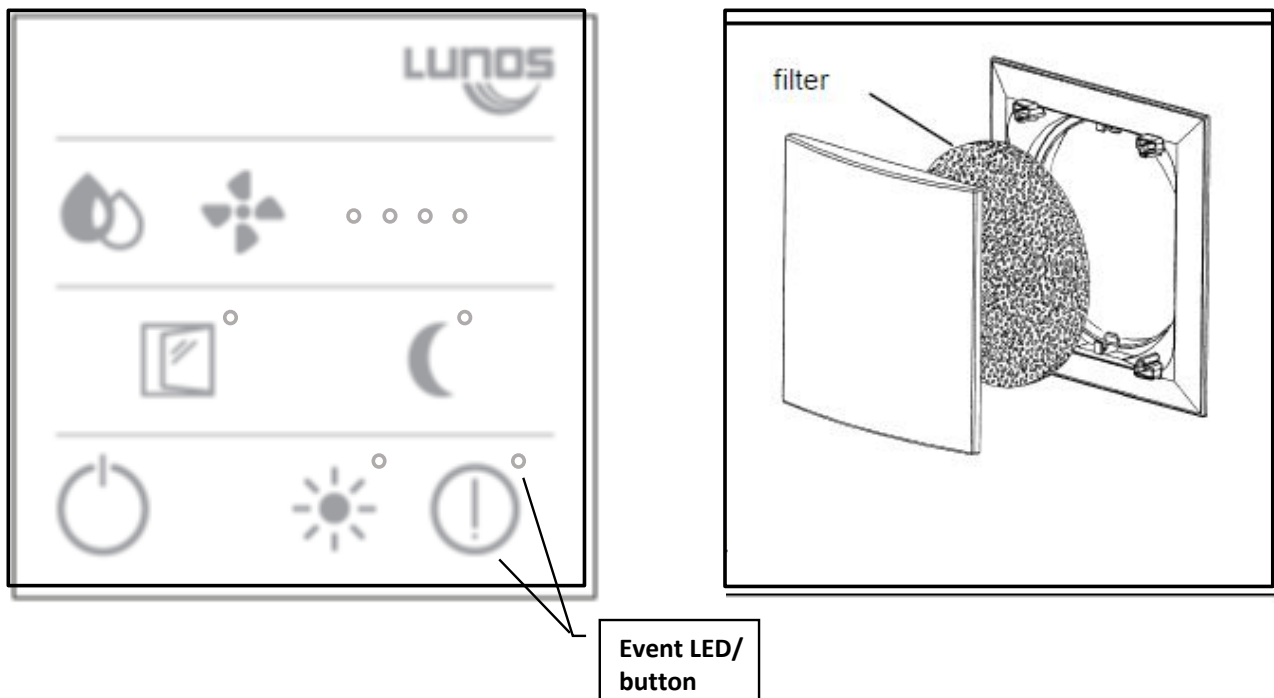
Rotate inner grill 180° to snap into position. Fit round filter.



Filter Replacement/Cleaning:

Indication by the Event LED illuminating permanently when the filter requires replacing/cleaning. Remove internal grille, remove filter, insert new or cleaned filter (the filter can be cleaned with dishwashing detergent) re-attach internal grille.

To reset the filter replacement LED, press and hold the Event button for 3 seconds.



NOTES:

Ventilation
Under Tile Heating
In-Concrete Heating
Infrared Ceiling Heating
Panel Heaters
Mirror Demisters
Controllers
Self Levelling Compound
Insulate Mat



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