

Diagram 6 Electrical Connections

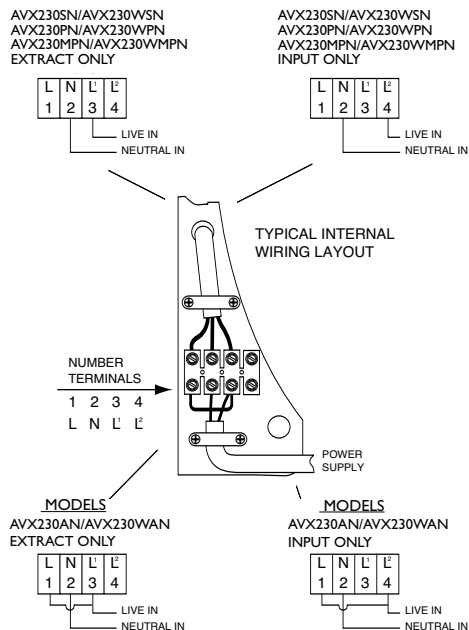
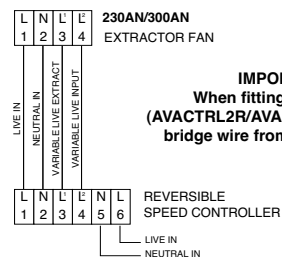


Diagram 7

WIRING DIAGRAM

For the 230AN/300AN model using the reversible 2 speed controller Part No. AVACTRL2R and the variable, reversible speed controller part no. AVACTRLVRN



IMPORTANT
When fitting a controller
(AVACTRL2R/AVACTRLVRN) remove
bridge wire from terminal block.

ADDVENT

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Installation Instruction for the AVX 230/300 Range

WARNING.

- All window fan models are to be installed using a flexible supply cord and are supplied with a supply cord with an internal cord anchorage.
- All wall fan models are for fixed wiring only, a flexible cord must not be used.

THROUGH A WINDOW (ALL MODELS DIAGRAMS 3/4).

1. Cut a hole in the glass to suit fan. This is best cut by a qualified glazier, alternatively, measure your window and get a new piece of glass with a pre-cut from your glass merchant and replace.

Hole Size Ø	
230mm	260 Ø
300mm	320 Ø

2. Remove external grille by gently levering the top out with a small screwdriver and remove the four pozidrive screws and separate the two halves.

Hold the fan in position over the hole on the inside of the window and then refit the four pozidrive screws from the Outside.(Diagrams 1/2)

Caution – do not over tighten these screws as it is possible that you might crack the glass, replace the external grille.

3. Electrical: All wiring must comply with current IEE Regulations. If in any doubt call a qualified electrician.
NOTE: All flaps should open and close together. If they do not, remove the second flap and remove and replace until it locates properly.
Connect the cable from the fan to a double pole fused spur having a contact separation of at least 3mm in all poles, must be used and fitted with a 3 amp fuse, and should be sited outside any room containing a shower or fixed bath. The fan should not be accessible to a person using either the shower or the bath.

THROUGH WALL FIXING (ALL MODELS DIAGRAMS 1,2&5)

4. Cut a hole through the wall to suit fan and duct then fit the aluminium flexible duct through the wall (wall fixing kit supplied separately - AVA295/230mm - AVA302/300mm) making sure that there is a slight tilt to the outside in case any water gets in through the external grille so it will not run into the room. Make good around the duct. If rigid duct is used to install the fan it must be a minimum of 290mm long, if flexible duct is used to install the fan it must be a minimum of 500mm (19 1/2 ") from the fan to the outlet grille

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5. Remove external grille by gently levering the top out with a small screwdriver and remove the four pozidrive screws and separate the two halves. Hold against the outside wall directly over the duct and drill and plug the fixing holes. Screw the grille chassis to the wall and refit the grille. It is important to make sure that the two fixing holes are one above the other to allow the lugs on the grille to fit properly into their slots the right way up.
6. Remove the front grille concealing 2-fixing screws which secure the front grille assembly to the main chassis. Remove these screws then carefully separate the two halves. Hold the body over the hole, first ensuring that the fan is level then mark four of the six fixing holes available (one in each corner). Drill and plug these holes. Screw the fan to the wall and refit the front grille and replace screw caps.
7. Make the electrical connection as described in Paragraph 3. If in any doubt call a qualified electrician.
8. Ratings as marked on fan label. T. Max 40°C

NOTE:

Do not install within a shower cubicle (Use our range of shower fans) or anywhere else where there is a high risk of the fan being sprayed with water. Fan to be fitted a minimum 2.3 metres from the floor.

IMPORTANT :

Switch off mains supply before making any electrical connections. Installation must be supervised by a qualified electrician.

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. Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.

Maintenance : Switch off mains supply and isolate the fan before carryout any maintenance. The front cover can be removed and cleaned with warm soapy water or polish. The fan impellor and the inside of the fan can be cleaned using a warm damp cloth, care must be taken not to make the electrical connections wet. It is recommended to check the electrical connections annually.

Diagram 1 External Grille

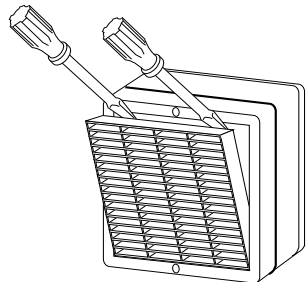


Diagram 2 Rear of Fan with grille removed

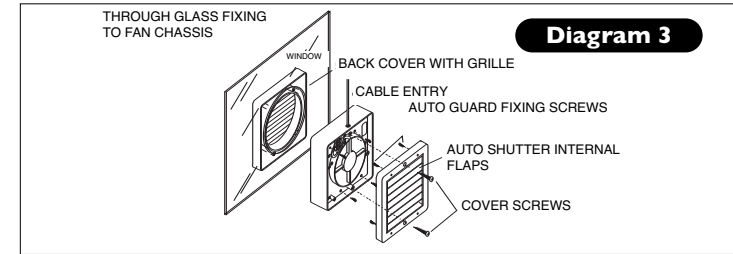
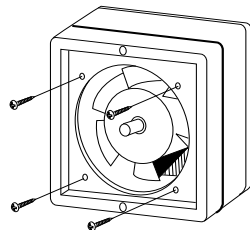
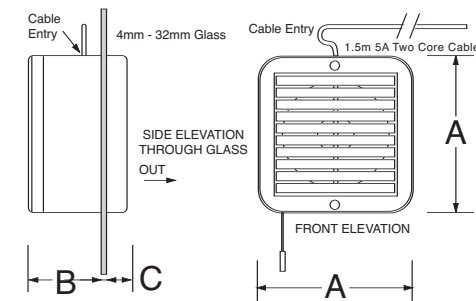


Diagram 4

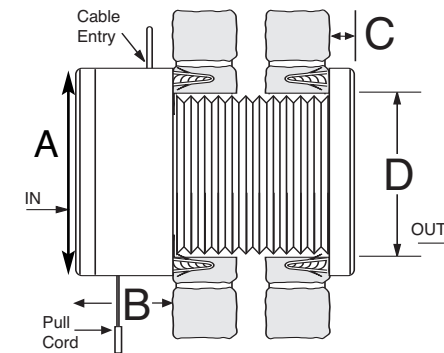


THROUGH GLASS FIXING

CAUTION

Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.

Diagram 5



Key to dimensions / mm				
	A	B	C	D
230mm	286	125	25	230
300mm	362	145	29	300

THROUGH WALL FIXING