Installation Instruction for the AVX100 IDS & AVX 100 IDT Shower Fans

The AddVent Shower Fan is probably the only Extract Fan designed exclusively for safe ventilation within a shower cubicle.

1 Cut a 100mm (4") hole in the ceiling directly over the shower head ensuring that the area above is free from obstruction and between two joists.

2 Using the white grille, carefully remove the grille from its housing by levering gently at the sides with a small screwdriver. Push the grille into the hole in the ceiling and make sure it is square to the walls and then mark the position of the fixing holes on the ceiling. Drill and plug the holes and screw the grille to the ceiling then refit the grille to the chassis fitted to the ceiling.

3 Select a suitable place for the Fan to be screwed to a joist and secure using two screws through the fixing bracket.

4 Using the grey grille select a suitable position either in the soffit or on an outside wall and cut a 115mm ($4^{1}/_{2}$") hole. Attach one end of the flexible duct to the grille with one of the straps provided and from the outside feed the ducting through the hole until the grille is flush with the soffit/wall. Secure the grille to the wall as before.

NB: *It is best not to cut the flexible ducting until the grille has been screwed to the outside surface so as to avoid the possibility of cutting the duct too short.*

5 Pull the flexible ducting gently to the discharge spigot of the fan and cut it to length and connect to the Fan with another of the straps provided.

NB: *The discharge end of the Fan Unit is the end which you can see the fan blade clearly. There is also an arrow on the unit showing airflow direction.*

6 Connect the other piece of duct to the ceiling grille and onto the fan as before using the other straps provided.

NB: *Make sure wherever possible to keep the ducting running in a straight line as this will improve the performance of the fan.*

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7 Remove the cover on the Fan Bracket and make the electrical connection as follows:

Wiring of Standard Model AVX100 IDS. *Diagram 1.*

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the shower room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3amp 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.

Note: *All wiring must be fixed securely and the cable to the fan should be a minimum of 1mm^2 in section. All wiring must comply with current IEE Regulations. If in any doubt contact a qualified electrician.*

Wiring of Timer Model AVX 100 IDT. *Diagram 2.*

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the shower room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3amp 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.

Note: *All wiring must be fixed securely and the cable to the fan should be a minimum of 1mm^2 in section. All wiring must comply with current IEE Regulations. If in any doubt contact a qualified electrician.*

9 AVX 100 IDT, the shower fan with the time delay fitted will run approximately one minute after it has been switched off. This time delay can be increased by firstly switching off the power to the fan, removing the cover on the bracket and inserting a small screwdriver in to the slot, marked I in *Diagram 2*, and turning clockwise to reduce the time and anticlockwise to increase the time. Only adjust with power switched off.

Important: Switch off mains supply before making any electrical connections. If in any doubt contact a qualified electrician.

Note: *This unit is double insulated and therefore does not require an earth. The time delay is preset for approximately one minute and can be adjusted as described in paragraph 9. Try to keep the ducting as straight as possible and wherever possible keep the distance between the ceiling grille and the external soffit or wall as short as possible as the shorter the length of ducting the better the performance of the fan.*

Maximum Operating Temperature: 40°C
Rated: 220/240V ~50Hz ⧈ ⚠ 20W
Airflow: max 75m^3 per hour, 21 litres per second.

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Diagram 1

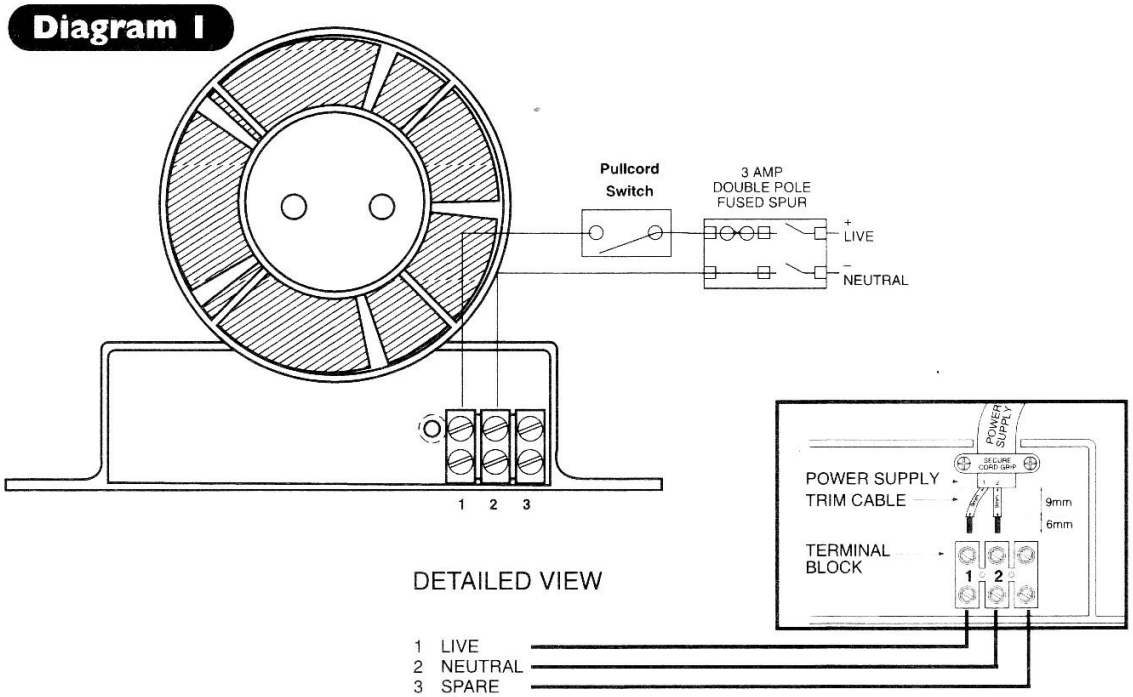
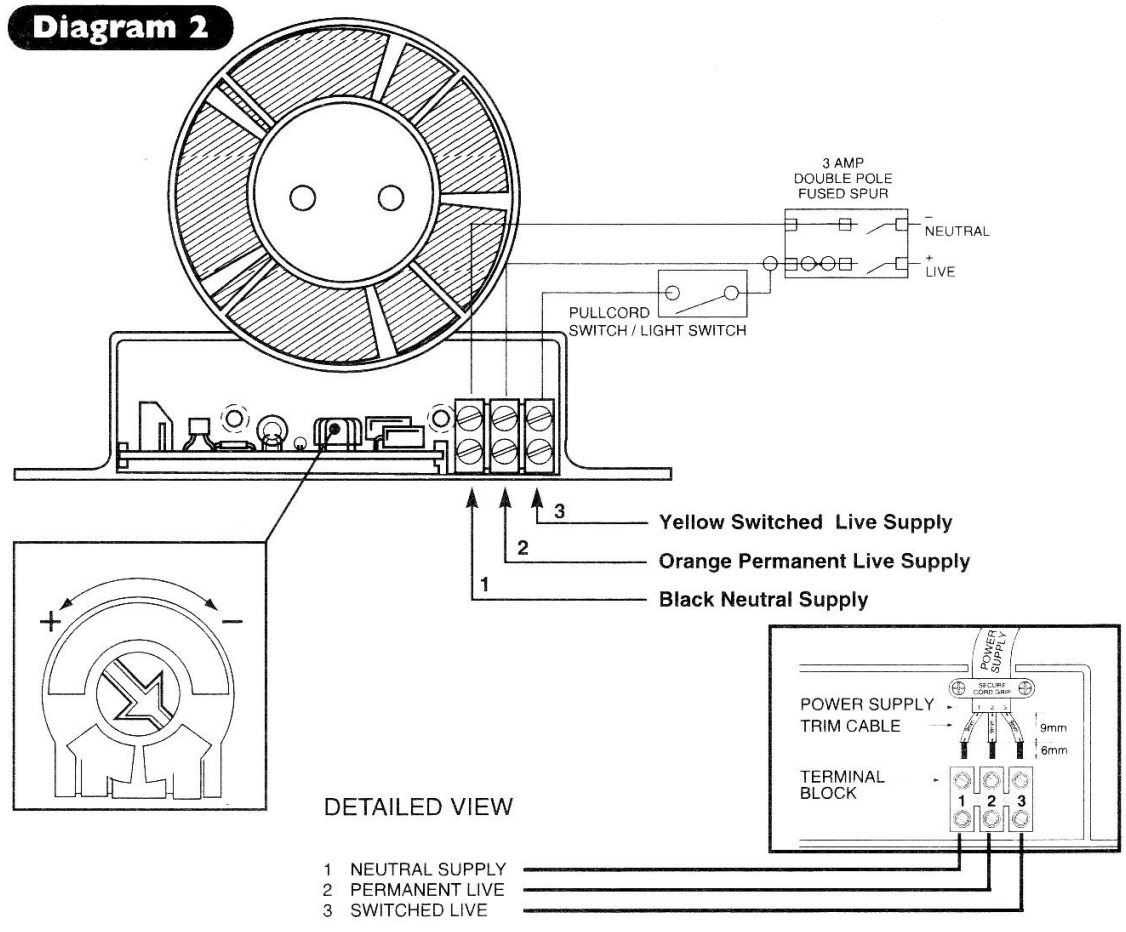
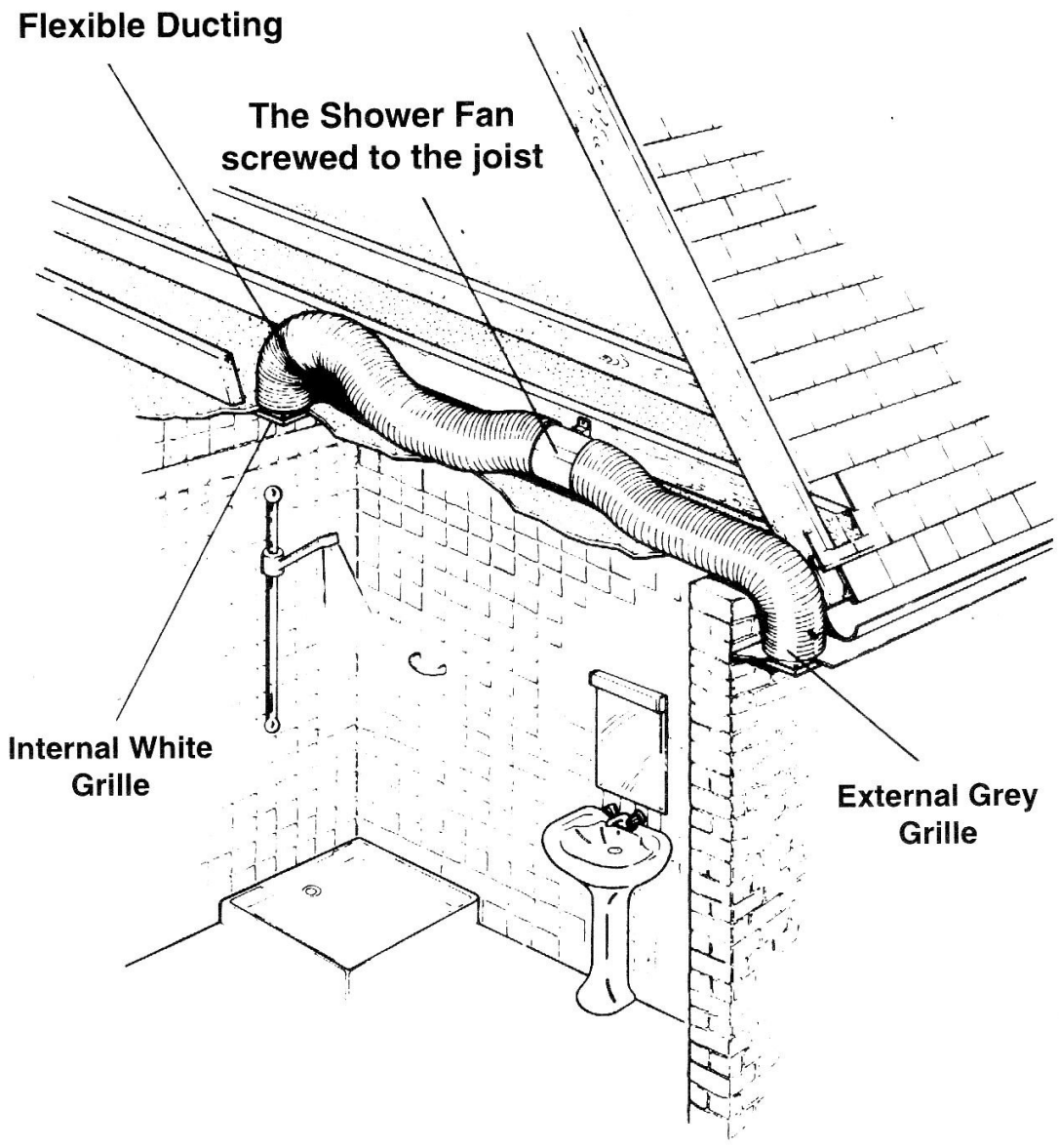


Diagram 2





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