

Installation Instructions for the AVC 060 Range 100mm (4") Centrifugal Extractor Fans

- Note:**
- (i) For best results this extractor fan should be fitted as high on the wall as possible, or if preferred, on the ceiling
 - (ii) Do not install the unit within a shower cubicle. Use our shower fans model No's AVX100IDs/AVX100 IDT.
 - (iii) Switch off mains supply before making electrical connections. If in any doubt contact a qualified electrician.
 - (iv) This fan is double insulated and does not require an earth.
 - (v) When installing through an external wall an external wall grille must be fitted at all times.

1 Using the template provided, cut a 112mm (4 $\frac{1}{4}$ ") minimum diameter hole in the wall. If the fan is to be fixed in the ceiling ensure that the hole is between the joists.

2 Fit 100mm (4") [internal diameter] ducting flush to the plaster.

3 Remove the cover from the fan by removing the two small screw caps on the front cover and remove the two retaining Philips screws.

4 Hold the body of the fan against the wall or ceiling and mark the four screw holes and the cable entry.

IMPORTANT: Ensure that the fan is square on the wall or ceiling.

5 Bring power cable into position, as marked. Allow an extra 230mm (9") protruding to facilitate connection

6 Wiring of Standard Model AVC 060 S. Diagram 3

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the 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 must be sited outside any room containing a shower or fixed bath. The fan must not be accessible to a person using either the shower or the bath.

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7 Wiring of Pullcord Model AVC 060 P. Diagram 4

This model is not suitable for ceiling mounting

This fan has its own integral pullcord on/off switch. The cable from the fan must be connected to 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 must be sited outside any room containing a shower or fixed bath. The fan must not be accessible to a person using either the shower or the bath. (Timer is adjustable) See Diagram 2.

8 Wiring of Timer Model AVC 060 T. Diagram 5.

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the 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 must be sited outside any room containing a shower or fixed bath. The fan must not be accessible to a person using either the shower or the bath. (Timer is adjustable) See Diagram 2.

9 Wiring of Humidity Model AVC 060 H. Diagram 6.

For the fan to operate as a normal time delay unit with humidity override i.e. when connected with a switched live coming from the light switch into the fan, the fan will operate when the light is switched on, and switch off after about 20 seconds – 20 mins (timer is pre-set for the minimum). However, should the humidity in the room reach about 75%, which will happen if the shower is run or the bath filled with hot water, the fan will switch on and keep running until the humidity has been reduced to a normal level, about 65%. (Humidity and Timer are adjustable) See Diagram 1.

10 Wiring of Humidity Pull Cord Model AVC 060 HP.



This model is not suitable for ceiling mounting

This model is as the AVC 060 H but with its own pull cord switch and neon light power indicator and should be installed as Model AVC 060 P and does not require a switched live power supply. 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 must be sited outside any room containing a shower or fixed bath. The fan must 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 1mm² in section. All wiring must comply with current IEE Regulations.*

Note: *Fan must be fitted a minimum of 2.2 metres from the floor.*

Maximum Operating Temperature: 40°C

Rated: 220/240V ~50Hz 45W  

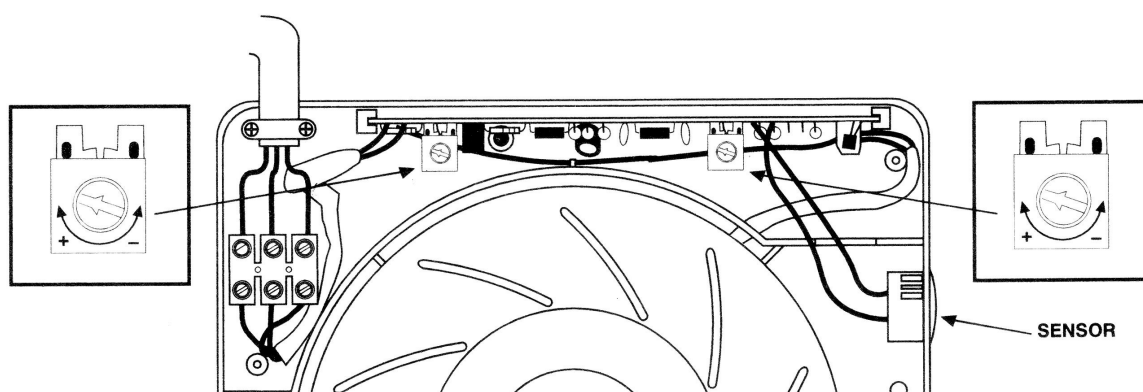
Airflow: max 60m³ per hour, 17 litres per second.



Dimensions of the AVC 060 Range

Height:	163 mm
Width:	163 mm
Depth:	90 mm
Spigot dia:	98 mm
Spigot depth:	65mm

Diagram 1 Humidity Adjustment



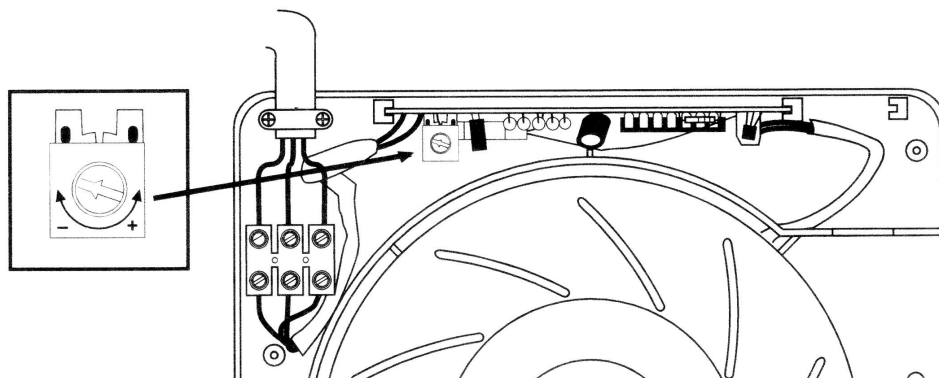
Timer Control Adjustment

- 1) Turn anti-clockwise to reduce time setting.
Minimum time is 30 seconds.
- 2) Turn clockwise to increase time setting.
Maximum time is 30 minutes.

Humidity Sensor Adjustment

- 1) Turn clockwise to increase sensitivity
eg fan will stay on most of time (45-50% Rh).
- 2) Turn anti-clockwise to reduce sensitivity
eg fan will not switch on until humidity is very high (90-100% Rh).

Diagram 2 Timer Adjustment



An AVC 060 fan with a time delay fitted will run approximately one minute after it has been switched off. This time delay can be increased by firstly switching off power to the fan, remove front cover and the timer is detailed in *Diagram 5* overleaf. Insert a small screwdriver in to the slot arrowed in *Diagram 2* above, and turning clockwise to reduce the time and anti-clockwise to increase the time. The minimum time the timer will run is for 20 seconds, and the maximum is approximately 20 minutes. **Only adjust with the power switched off.**

Diagram 3 AVC 060S

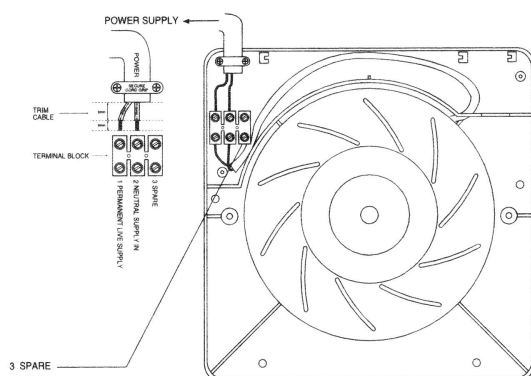


Diagram 4 AVC 060 P

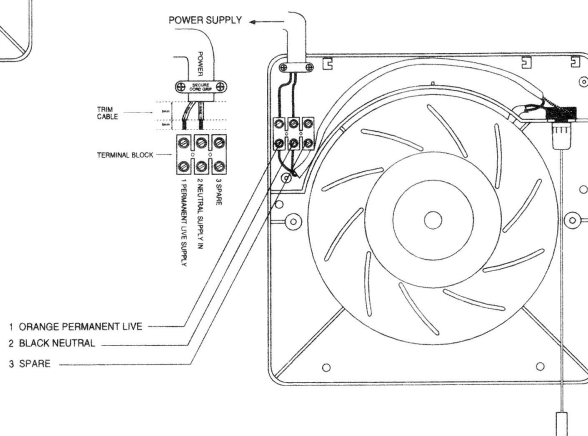


Diagram 5 AVC 060 T

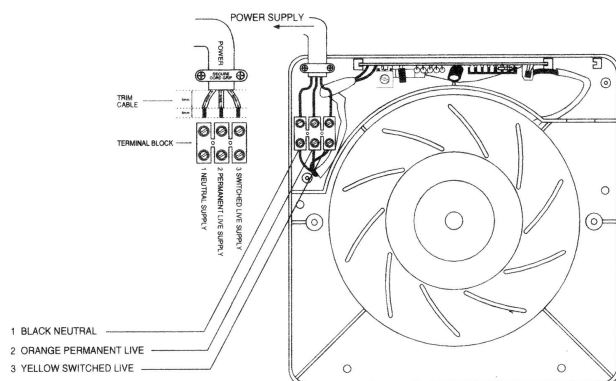


Diagram 6 AVC 060 H

