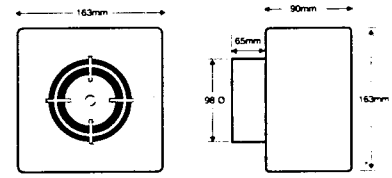
INSTALLATION INSTRUCTIONS FOR THE SCREWFIX RANGE OF CENTRIFUGAL EXTRACTOR FANS



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.

(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.

1. Cut a 112mm (4½") 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 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 Diagram CF1**

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 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.

7. **Wiring of Pullcord Model Diagram CF2**
(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 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.

8. **Wiring of Timer Model Diagram CF3**

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 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.

9. **Wiring of Humidity Model Diagram CF4**

For the fan to operate as a normal time delay unit with humidity over-ride 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 to 20 minutes (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 sensor is adjustable.)

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 I.E.E. Regulations. If in any doubt contact a qualified electrician

Diagram CF1

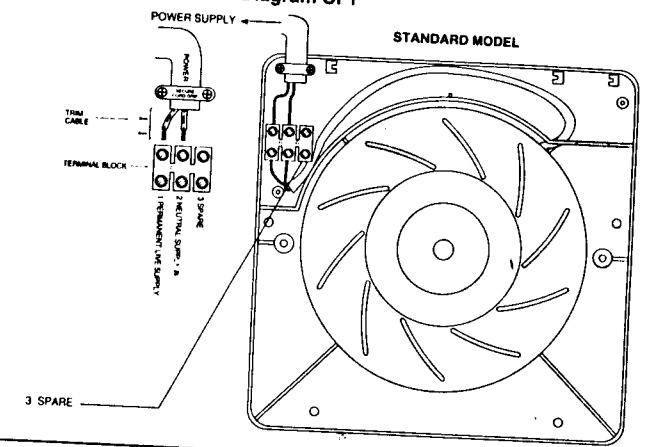
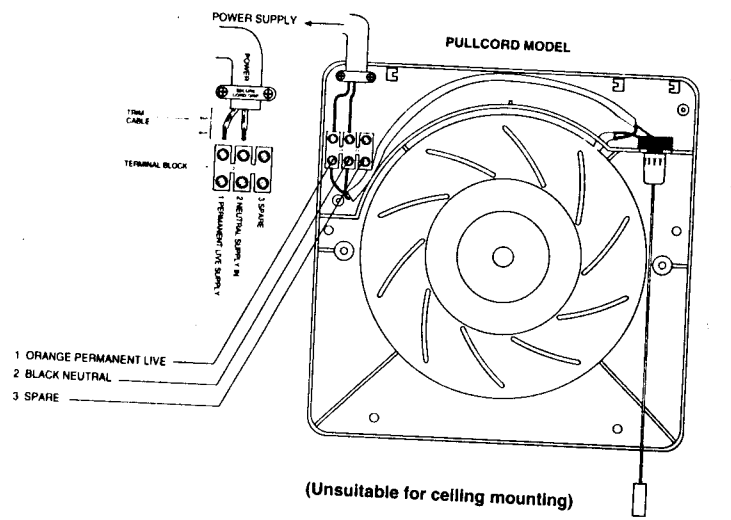


Diagram CF2



(Unsuitable for ceiling mounting)

Diagram CF3

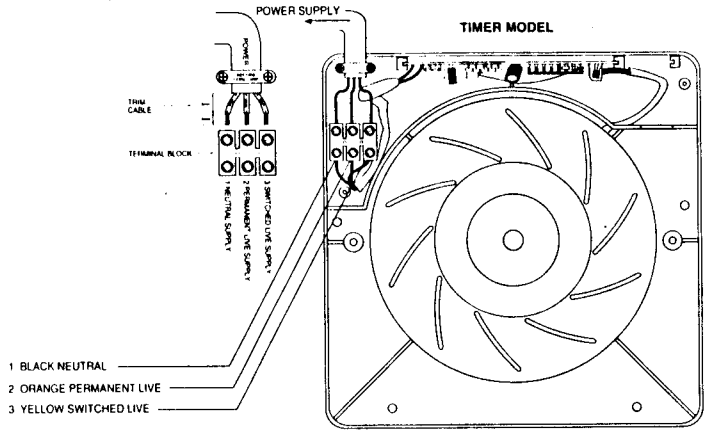
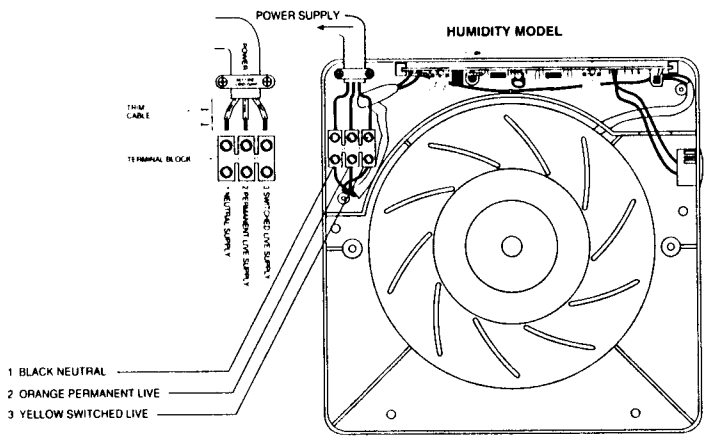


Diagram CF4

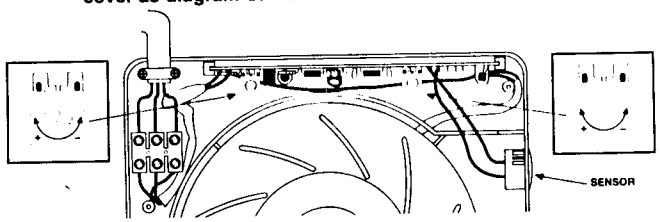


Time delay and humidity over-ride operation

Terminal 1 - Permanent Live Supply In
Terminal 2 - Permanent Neutral In
Terminal 3 - Switched Live In

HUMIDITY ADJUSTMENT DIAGRAM CF4A

To adjust humidity and timer remove front cover and the timer cover as diagram CF4 and follow instructions as CF4A



TIMER CONTROL ADJUSTMENT

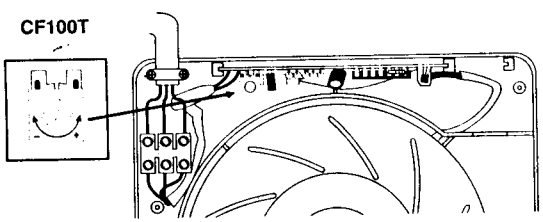
1) Turn anti-clockwise to reduce time setting. Minimum time is 30 seconds.
2) Turn clockwise to increase time setting. Maximum time is 30 mins.

HUMIDITY SENSOR ADJUSTMENT

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

TIMER ADJUSTMENT DIAGRAM CF3A

CF100T



The 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 the power to the fan. Remove front cover and the timer cover as detailed in diagram CF3. Insert a small screwdriver in to the slot, marked ⏱ in **Diagram CF3A.** Turn clockwise to reduce the time and anti-clockwise to increase the time. **Only adjust with power switched off.**

The minimum time the timer will run for is 20 seconds and the maximum is approx 20 minutes.

Maximum Operating Temperature 40°C
Rated 220 - 240V ~ 50Hz 25W ⧈⚠

CE

IMPORTANT Fan must be mounted a minimum of 1.8 metres from floor.
Switch off mains supply before making any electrical connections.
If in any doubt contact a qualified electrician.

Discharge Provision

Discharge may be via a roof cowl and weathering slate with ridged pipe or horizontally through a wall or soffit using a fixed grille.

Ducting discharging horizontally should slope slightly downwards to external grille to allow condensation to drain away. (Diagram A)

Roof discharge ducted vertically away should be fitted with a condensation trap and overflow (Diagram B) to drain off condensation. This fan is ideal for ducting over long distances.

Diagram A

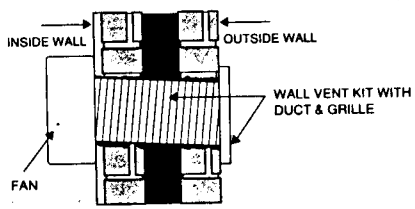
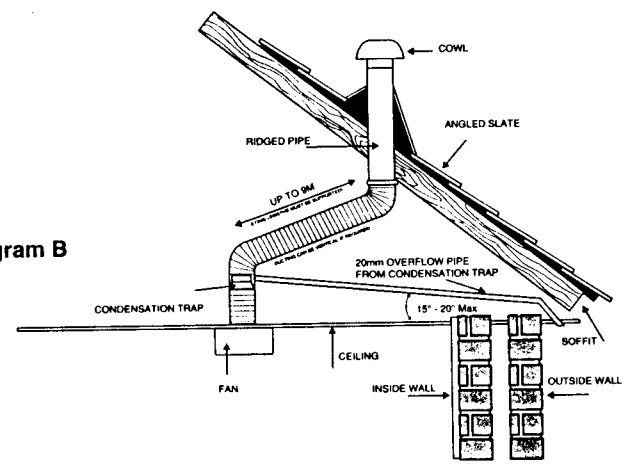


Diagram B



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