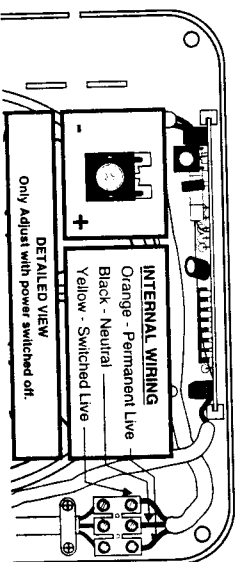


DIAGRAM X3A

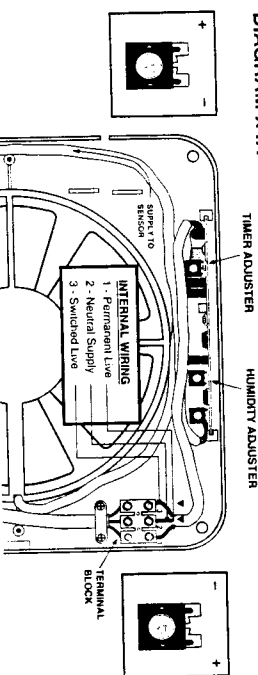


Timer Adjustment

Any fan with a time delay fitted will run approximately one minute after it has been switched off. The time delay can be increased by firstly switching off the power to the fan, remove front cover, and insert a small screwdriver into the slot, marked ϕ in Diagram X3A. Turn anti-clockwise to reduce the time and 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 about 20 minutes.

DIAGRAM X4A



HUMIDITY SENSOR ADJUSTMENT

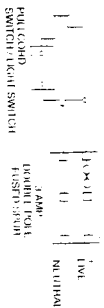
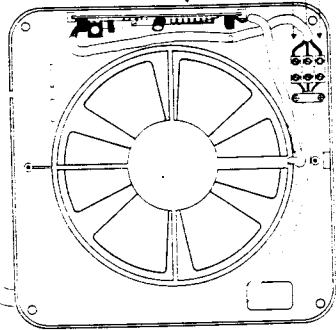
- 1) Turn anti-clockwise to increase sensitivity e.g. fan will stay on most of time (45-50%RH)
- 2) Turn clockwise to reduce sensitivity e.g. fan will not switch on until humidity is very high (90-100%RH)

TIMER CONTROL ADJUSTMENT

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

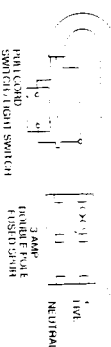
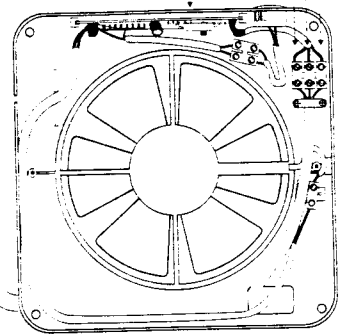
GRAM X3

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



GRAM X4

- 1 - Change Permanent Live
- 2 - Value Switched Live
- Humidity Sensor
- Timer Board



INSTALLATION INSTRUCTIONS FOR THE 150mm 6" RANGE OF EXTRACTOR FANS.

NOTE: (i) For best results this Extractor Fan should be fitted as high on the wall as possible, min. 1.8m, or if preferred, on the ceiling.

(ii) Do not install the unit within a shower cubicle. Use our shower fans.

(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 173mm (6 $\frac{3}{4}$ ") 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 165mm (6 $\frac{1}{2}$ ") 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 Phillips 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. Fan should not be installed by fixed wiring; a flexible cord should not be used.



Screwfix Direct, Houndstone Business Park, Yeovil, BA22 8HT
Telephone: 0870 010 41 41 Fax: 01935 414000



DIAGRAM X1

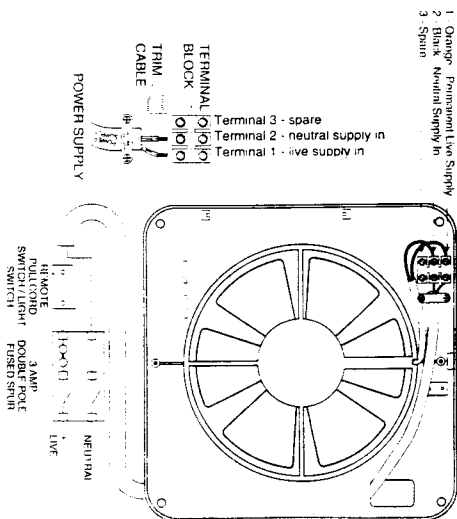
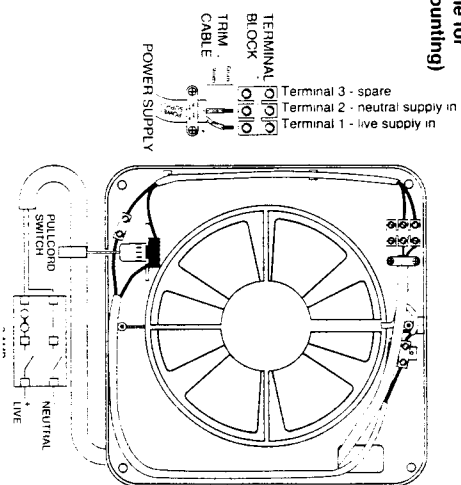


DIAGRAM X2 (Unsuitable for ceiling mounting)



9.

Wiring of Humidity Model

See Diagram X4.

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 15 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%. Connect to electrical supply as follows:

Time delay and humidity over-ride operation

Terminal 1 - Permanent Live Supply In

Terminal 2 - Permanent Neutral In

Terminal 3 - Switched Live In

To adjust humidity (between 45% & 95%) See diagram X4A.

IMPORTANT

All wiring must comply with current I.E.E. Regulations.

A plug socket or 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 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 bath.

T. Max 40 °C

Rated 220-240V ~50HZ 25W □ IP24

IMPORTANT

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

N.B.

Fan should only be installed by fixed wiring. A flexible cord should not be used.

Wiring of Standard Model

The fan can either be operated from a separate pullicord 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.

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. If in any doubt contact a qualified electrician.

Wiring of Pullicord Models

See Diagram X2. (This model is unsuitable for ceiling mounting)

This fan has its own integral pullicord 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.

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.

Wiring of Timer Model

See Diagram X3.

The fan can either be operated from a separate pullicord 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. When the light switch or pullicord is switched off fan will run for a max. of 30 mins. 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.

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. If in any doubt contact a qualified electrician.

For timer adjustment see diagram X3A min 30 secs, max 30 mins.