

INSTALLATION INSTRUCTIONS FOR THE MANROSE CEILING/WALL FANS (XF/XP150 AUTO SHUTTER MODELS).

(The 'new' ball bearing designed motors provide an extended lifetime of operation)

- NOTE:
- (i) The fan is to be installed so that the blades are 2.1m above the floor. 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 fan models no's SF150S or SF150T.
 - (iii) Isolate the mains supply before making electrical connections. This system should be installed by a qualified electrician.
 - (iv) This fan is double insulated and does not require an earth.
 - (v) When installing this fan through an external wall, an external wall grille must be fitted at all times.

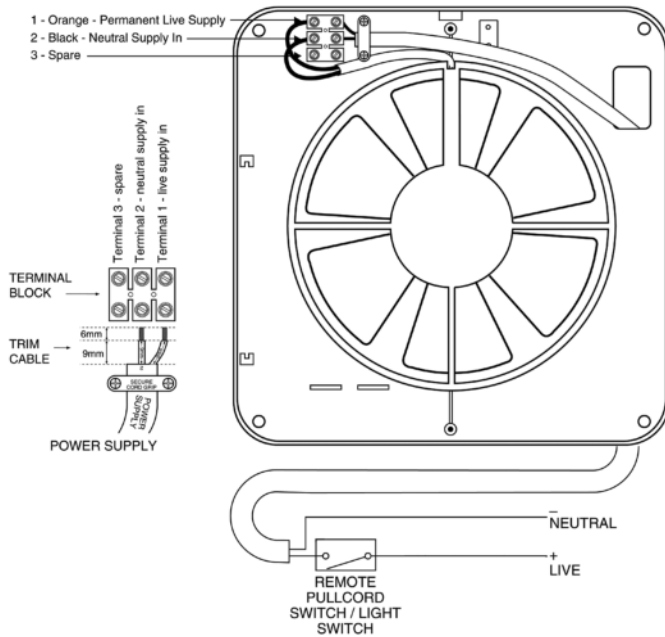
1. Cut a 160mm diameter hole in the wall. If the fan is to be fixed onto the ceiling ensure that the hole is between the joists.
2. Fit 150mm ducting flush to the plaster.
3. Remove the cover from the fan by removing the two small screw caps on the front cover and remove the two retaining Philips screws.
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.
Fan should only be installed by fixed wiring, a flexible cord should not be used

We reserve the right to change specification without prior warning



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DIAGRAM 1: Auto Shutter Models



IMPORTANT NOTE: Automatic Shutters incorporate a thermally activated mechanism that opens and closes the shutters. When the unit is turned on and off shutters will take approximately 45 seconds to respond.

6. Wiring of Autoshutter Models (XF/XP150AP) (see diagram 1)

(This model is unsuitable for ceiling mounting)

This fan has its own integral pullcord on/off switch. The fan should not be accessible to a person using either the shower or the bath.

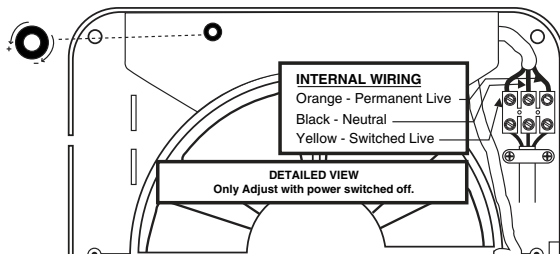
NOTE: All wiring must be fixed securely and the cable to the fan should be a minimum of 1mm² in section. All wiring must comply with current Regulations. This system should be installed by a qualified electrician.


7. Wiring of Auto shutter Model XF/XP150AT (see diagram 2)

When light switch or pullcord is switched off fan will run for a between 20 sec and 30 mins (pre-set to 1 minute). 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 Regulations. This system should be installed by a qualified electrician.

DIAGRAM 2: Timer Adjustment for Auto Shutter Fans XF/XP150AT



Timer Adjustment for XF/XP150T, XF/XP150AT 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 allen key in to the slot, marked  in **Diagram 3A**, and turning 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 about 30 minutes.

Specifications: NZXF150BB

Electrical: 220-240V ~ 50Hz  

Fan Wattage: 25W (45W for auto shutter model)

Max Temp: 40°C

Airflow: 87l/s (313m³ hr) -free air performance

Max Pressure: 60 Pa

Sound Volume: 40 dB(A)

IP Rated: IP44 (except pullcord model IP24)

IMPORTANT

- **Isolate the mains supply before making any electrical connections. This system should be installed by a qualified electrician.**
- **When fitting through an external wall, an external grille must be fitted at all times.**
- **Fan should only be installed by fixed wiring, a flexible cord should not be used.**
- **The appliance is not intended for use by young children or infirm persons without supervision.**
- **Young 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.**