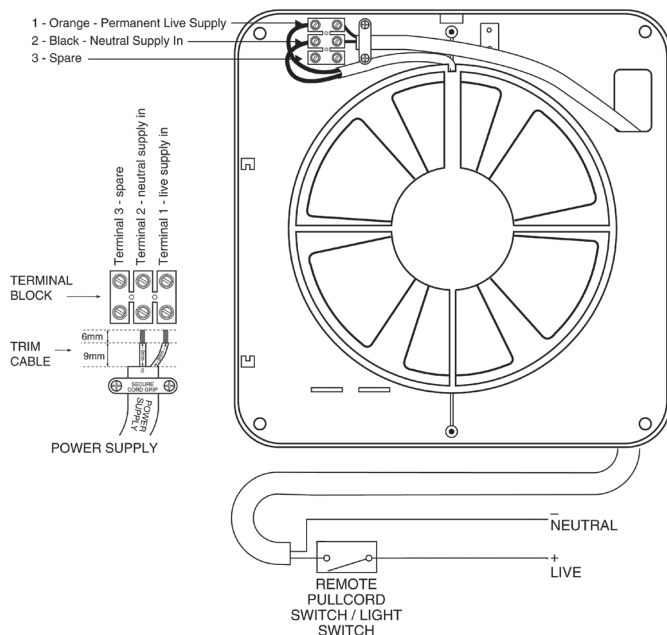


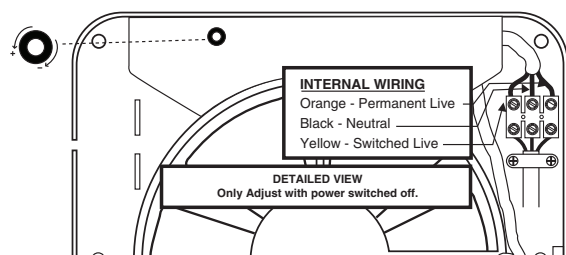
## DIAGRAM 3: Auto Shutter Models




### IMPORTANT NOTE:

If your fan is equipped with auto shutters it will be fitted with a thermally activated mechanism that opens and closes the shutters. When the unit is turned on/off the automatic shutters will take approximately 45 seconds to respond.

## DIAGRAM 3A: 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.

We reserve the right to change specification without prior warning



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## INSTALLATION INSTRUCTIONS

**MANROSE**  
CLASSIC SERIES

## MANROSE CLASSIC XF/XP150 CEILING/WALL EXTRACTOR FANS

Thank you for selecting our Manrose 150mm Wall/Ceiling Fan.

Please read all instructions before commencing installation.

- 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 SF150 models  
(iii) Switch off 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 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 simply unclipping the fascia. The front cover screw and plug are conveniently located within the fan housing as shown in diagram 1 & 2.
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.
6. If an XP150 kit - Select a suitable position on the outside wall for the weatherproof cowl. Carefully remove the cowl from its housing by levering gently at the sides with a small screwdriver. Cut a 160mm hole ensuring first that the area is free from obstruction.
7. **Wiring of Standard/Pullcord Model XF/XP150 (see diagram 1)**  
**(Pullcord model unsuitable for ceiling mounting)**

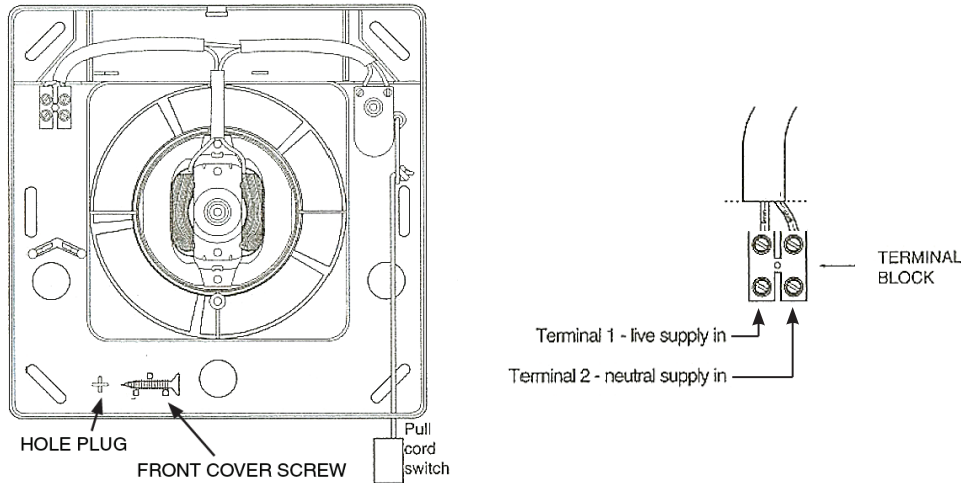
The fan can be connected to the light switch so that the fan will start when the light is switched on. The fan should not be accessible to a person using either the shower or the bath.

**NOTE:** All wiring must be fixed securely and the cable to the fan should be a minimum of 1mm<sup>2</sup> in section. All wiring must comply with current Regulations. This system should be installed by a qualified electrician.

### Wiring of Timer Model XF/XP150T (see diagram 2).

The fan can be connected to the light switch so that the fan will start when the light is switched on. When the light switch or pullcord is switched off the fan will run for between 20 sec & 30 minutes (pre-set to 1 minute). The fan should not be accessible to a person using either the shower or the bath.

## DIAGRAM 1: Standard & Pullcord Models:



## DIAGRAM 2: Timer Models (XF/XP150)

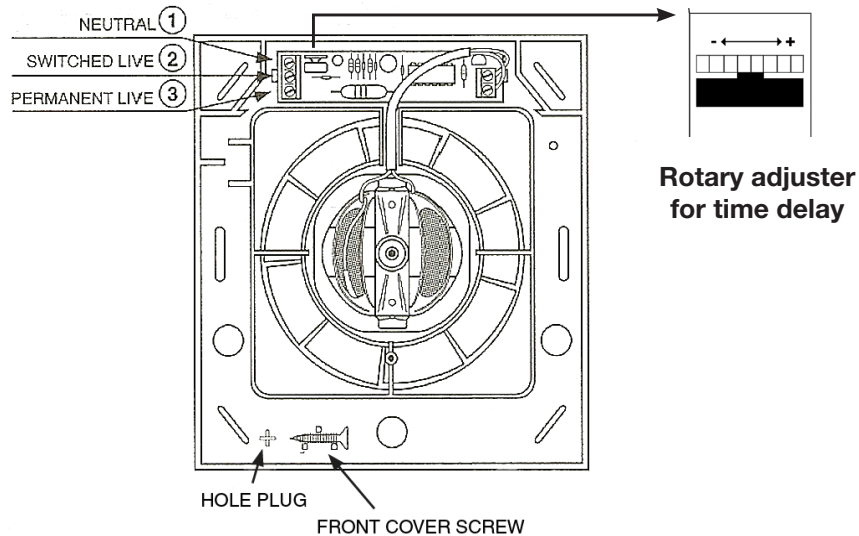
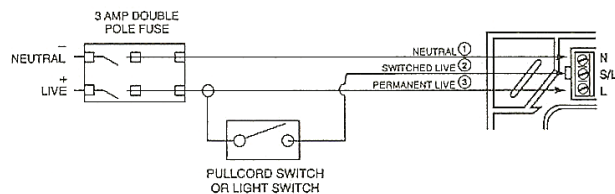


Diagram 2A



**NOTE:** All wiring must be fixed securely and the cable to the fan should be a minimum of 1mm<sup>2</sup> in section. All wiring must comply with current Regulations. This system must be installed by a qualified electrician.

### Timer Adjustment XF150T & XP150T only

This time delay can be adjusted by firstly switching off the power to the fan and removing the fascia. Locate the rotary adjuster as shown in Diagram 2. The serrated adjuster wheel can be rotated using a thumbnail to adjust the timer setting.

+ = Rotate to the right to increase the time (indicated by + on the diagram)

- = Rotate to the left to decrease the time (indicated by - on the diagram)

**Only adjust with power switched off.**

### 8. Wiring of Autoshutter Models (XF/XP150AP) (see diagram 3)

**(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 1mm<sup>2</sup> in section. All wiring must comply with current Regulations. This system should be installed by a qualified electrician.

### 9. Wiring of Auto shutter Model XF/XP150AT (see diagram 3A)

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 1mm<sup>2</sup> in section. All wiring must comply with current Regulations. This system should be installed by a qualified electrician.

### Specifications:

Model:	NZNVF150SBB; NZNVF150TBB; NZXF150ABB; NZXF150ATBB
Electrical:	220-240V ~ 50Hz  
Fan Wattage:	25W (45W for auto shutter model)
Max Temp:	40°C
Airflow:	87l/s (313m <sup>3</sup> 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.
- Exhaust fans may adversely affect the safe operation of burning gas or other fuels (including those in other rooms) due to back flow of combustion gases. These gases can potentially result in carbon monoxide poisoning. After installation of an exhaust fan such as a partition fan or a duct fan the operation of flued gas appliances should be tested by a competent person to ensure that back flow of combustion gases does not occur.