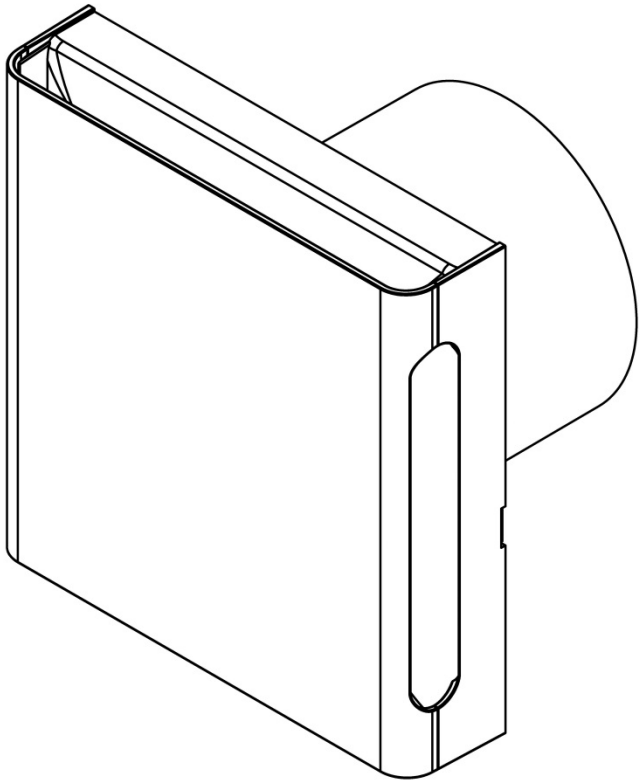
MANROSE®

Installation and Wiring Instructions



MANDMEVT
Continuous running bathroom fan with timer

MANDMEVHT
Continuous running bathroom fan with humidistat & timer

PLEASE READ THESE INSTRUCTIONS IN CONJUNCTION WITH THE ILLUSTRATIONS.
PLEASE SAVE THESE INSTRUCTIONS.

IPX5

Installation and Wiring Instructions for the MANDMEV Range Extractor Fans.



IMPORTANT: READ THESE INSTRUCTIONS BEFORE COMMENCING THE INSTALLATION

DO NOT install this product in areas where the following may be present or occur:

- Excessive oil or a grease laden atmosphere.
- Corrosive or flammable gases, liquids or vapours.
- Ambient temperatures higher than 40°C or less than –5°C.
- Possible obstructions which would hinder the access or removal of the Fan.

SAFETY AND GUIDANCE NOTES

A. All wiring to be in accordance with the current I.E.T. Regulations, or the appropriate standards of your country and **MUST** be installed by a suitably qualified person.

B. The Fan is suitable for installation within Zones 1 & 2.

C. The Fan should be provided with a local isolator switch capable of disconnecting all poles, having a contact separation of at least 3mm.

D. Ensure that the mains supply (Voltage, Frequency, and Phase) complies with the rating label.

E. The Fan should only be used in conjunction with the appropriate Manrose products.

F. The Fan should only be used in conjunction with fixed wiring.

G. When the Fan is used to remove air from a room containing a fuel-burning appliance, ensure that the air replacement is adequate for both the fan and the fuel-burning appliance.

H. The Fan should not be used where it is liable to be subject to direct water spray for prolonged periods of time.

I. Where ducted Fans are used to handle moisture-laden air, a condensation trap should be fitted. Horizontal ducts should be arranged to slope slightly downwards away from the Fan.

J. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

K. Children should be supervised to ensure that they do not play with the appliance.

L. Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under over voltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

M. Ensure the grille is fully engaged onto the fan chassis using all clips.

N. Cleaning and user maintenance shall not be made by children.

ACCESSORIES (not supplied)

WALL FITTING KIT

A range of 100mm wall kits are available for installing into most walls using liners supplied.

INSTALLATION



IMPORTANT: The fan should only be used in conjunction with fixed wiring.

PANEL MOUNTING

1. For panel mounting the fan should be installed into a closed duct protected by an exterior air grille that must comply with the standard requirements of your country to prevent access to the fans impeller.
2. Cut a 105mm diameter hole for 100mm fans.
3. Push the two clips on the bottom of the fan and pull the grille away from the chassis.
4. Mark the screw centres through the holes in the fan back plate. Drill, plug and screw into position.
5. After installation, ensure impeller rotates freely and the shutters can open.
6. Replace the grille and ensure the clips reactivate.

WALL MOUNTING

1. For wall mounting either cut a 115mm diameter hole for 100mm fans, through the wall and insert the wall sleeve. Slope the sleeve slightly downwards away from the fan. Cut to length and cement both ends into position flush with the wall faces.
2. Push the two clips on the bottom of the fan and pull the grille away from the chassis.
3. Mark the screw centres through the holes in the fan back plate. Drill, plug and screw into position. Fix exterior grille into position with the louvres positioned downwards. (Note:- The grille must comply with the standard requirements of your country to prevent access to the fans impeller. The wall kit used in this installation should provide a minimum ducting length of 100mm from the fans back plate to the inside of the external grille).
4. After installation, ensure impeller rotates freely and the shutters can open.
5. Replace the grille and ensure the clips reactivate.

WIRING

WARNING: THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING THE INSTALLATION / OR MAINTENANCE.

IMPORTANT

- The fan should only be used in conjunction with fixed wiring.
- The cross - sectional area of supply cord used should be ranged from 0.75-1.5mm^2.
- Cable entry can only be made from the rear of the fan.
- The extraction fan is suitable for connection to 220-240V 50Hz supply.
- The fan is a class ll double insulated product and **MUST NOT** be earthed.

1. Select and follow the appropriate wiring diagram. (Fig. 1)
2. Check all connections have been made correctly and ensure all terminal connections are securely fastened.
3. Ensure the impeller rotates and is free from obstructions.

SETUP

WARNING: THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING THE INSTALLATION / OR MAINTENANCE.

MANDMEVT & MANDMEVHT – Fig1, 2 & 3

MANDMEVT – Timer* - Fixed 15min. overrun timer. Continuous running fan with variable speed options.

MANDMEVHT- Humidity Timer* - Humidity controlled with fixed 15min. timer overrun. Continuous running fan with variable speed options.

***All timer versions require a third switch live wire for the timer to work.**

WARNING: THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING MAINTENANCE.

1. At intervals appropriate to the installation, the fan should be inspected and cleaned to ensure there is no build-up of dirt or other deposits.
2. Wipe the inlets and front face with a damp cloth until clean.

The fan has sealed for life bearings, which do not require lubrication.

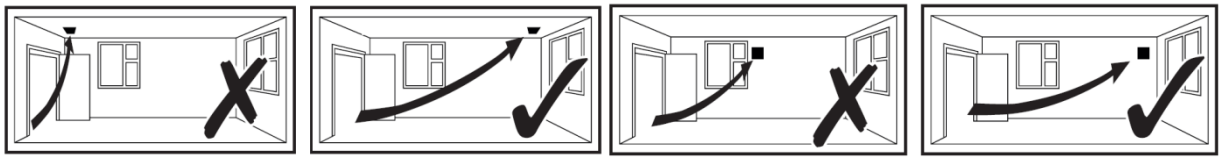


Fig.1: MANDMEVT, MANDMEVHT

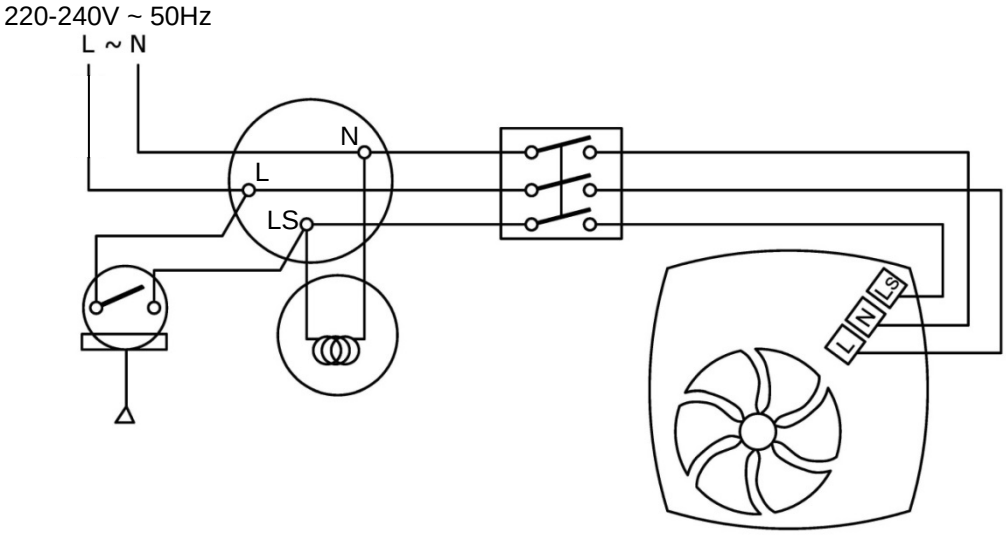
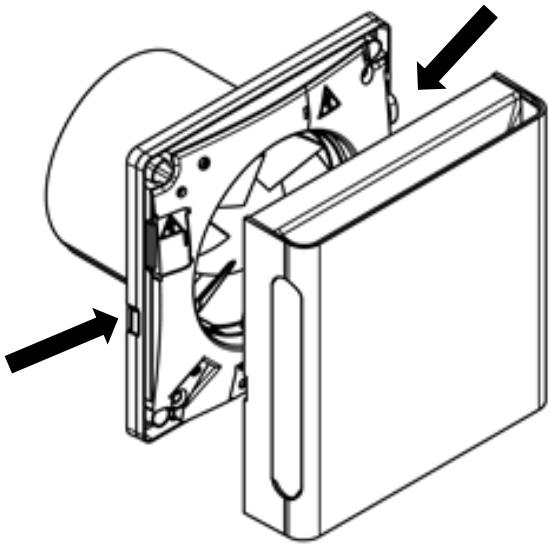
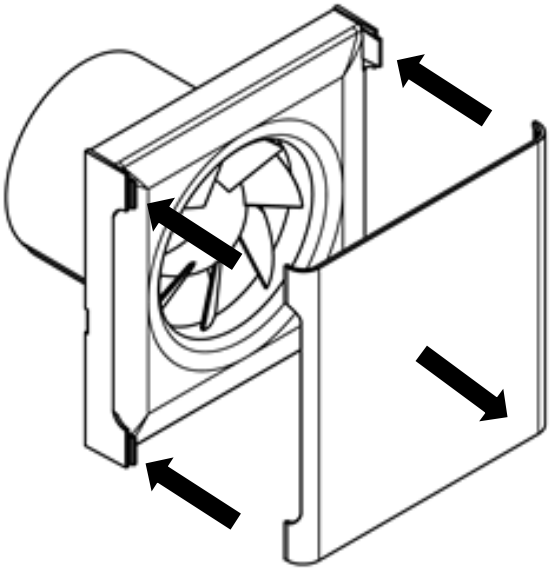


Fig.2: – Grille removal for cable entry and PCB control access.

To remove the outer cover, Carefully unclick the cover from the 4 clips as shown below.(**2**)

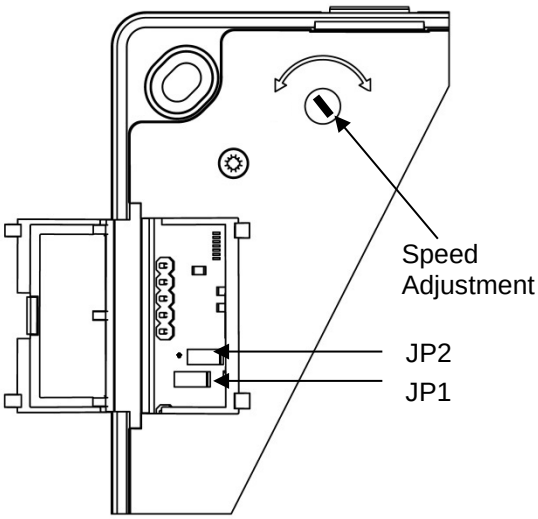




To remove the inner & outer cover, push both clips on each side (**1**) to release.

To Refit the cover, line up the 4 clips on the rear of the cover and gently push until you hear a “Click” (**3**)

Fig.3: MANDMEVT, MANDMEVHT



Ambient Response Humidity Function – MANDMEVHT only
The inbuilt humidity sensor automatically adjusts dependant on ambient conditions and does not need adjusting.

Speed Selection
Adjust the fan speed by turning the pot clockwise to increase, and anti-clockwise to decrease. For continuous running models, the trickle speed is approximately 50% of the chosen high speed.

Comfort mode (JP2)
JP2 should be connected to enable comfort mode. (default off). This feature delays the LS input boost operation for a maximum of 20 minutes to reduce noise and cold drafts while bathing. After the LS is disconnected, the fan will switch on for the same period the LS had been active (up to 20 minutes), plus the overrun time period if selected (0 or 15 minutes).

Timer Function (JP1)
JP1 to deactivate the timer, remove the jumper.
15min. timer = jumper in.
No timer = jumper out.



Disposal
This product should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority for recycling advice.

Manrose Manufacturing
Unit 23, 53 Suttons Park Avenue
Earley
Reading
RG6 1AZ

Contact Information
Website: www.manrose.co.uk
email: sales@manrose.com
Sales hotline: 01753 691399
Technical hotline: 01753 876941

EU Authorised Representative: Manrose Sigarenmaker 5 - 5521DJ Eersel Nederland authorisedrep@manrose.nl