Fig A

WALL

INSIDE   CAVITY   OUTSIDE

148-150mm PLUS DUCT   148-150mm PLUS DUCT

Fig B

WALL

INSIDE   CAVITY   OUTSIDE

148-150mm PLUS DUCT   MIN 90mm   98-100mm PLUS DUCT

WIRING INSTRUCTIONS

1. Ensure that the mains electrical supply is switched off during the installation of the fixed wiring spur.
2. Read carefully "Important-Electrical Information" above.
3. Connect as shown in the Wiring Diagrams below.

RMF 100

L
~
N

RMF 100T, RMF100 2R, RMF100 H2R

Lamp

L
~
N

L
N
T

RMF 100 LV

12 V

240 V
L   N

FAN

RMF 100TLV

12 V

240 V
L   N   T

L
N

FAN

CLEANING & MAINTENANCE

1. Disconnect mains electrical supply by means of double pole switch.
2. Remove front grille as described above.
3. Remove the plastic impeller (by loosening the nut) and wash it with mild detergent.
4. To clean the inner part of the fan, use a soft brush taking care not to cause any damage or disturb the electrical wiring.

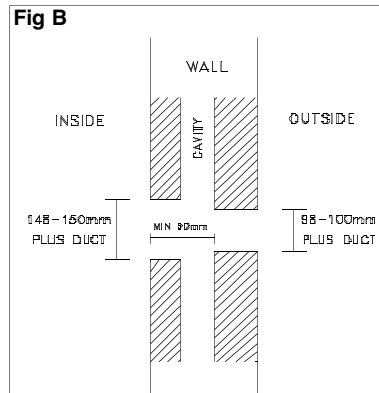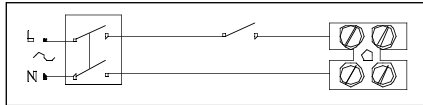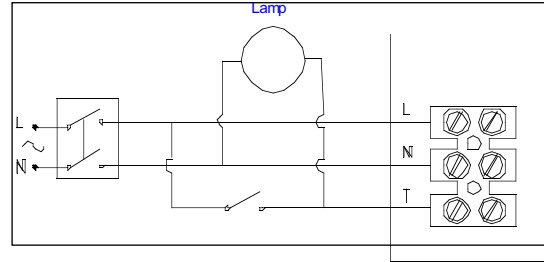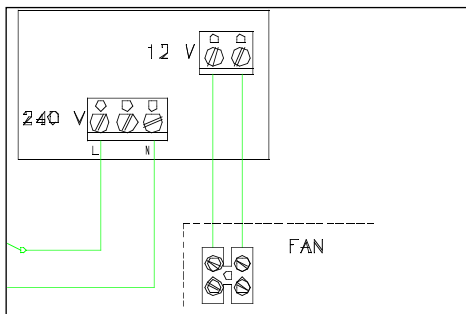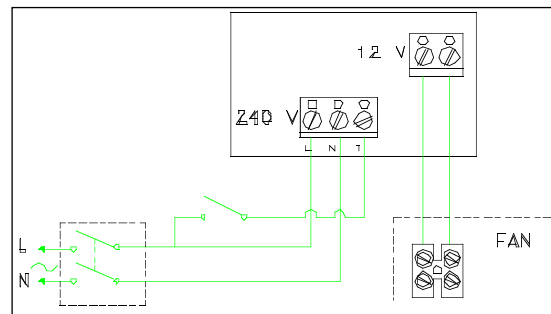# "RMF" - RECESSED HIGH PRESSURE DUCT FANS

Installation Instructions

vectaire

- **for toilets, bathrooms and utility rooms**

- **suitable for installation in:**
  - **ceiling**
  - **wall**

- **4 models:**
  - **standard**
  - **timer**
  - **two speed**
  - **humidity control with two speed**

- **2 Low Voltage (SELV) models**
  - **standard**
  - **timer**

"RMF" - RECESSED HIGH PRESSURE DUCT FANS
Installation Instructions
PLEASE READ THE FOLLOWING INSTRUCTIONS VERY CAREFULLY BEFORE INSTALLING THE PRODUCT.

THE RANGE

RMF100, RMF100 LV - standard

RMF100 T, RMF100 TLV - with overrun timer - the fan should be operated by a remote switch which can also serve to switch the room light on and off. After the light/fan is switched off the fan will continue to run for the pre-set length of time.

RMF100 2R - with remote switch - these fans are designed for continuous running at their low speed. Using the remote switch will boost the fans to their maximum speed (and back to their lower speed). When the fans have been operated manually, the neon light on the front of the fan will come on.

RMF100 H2R - with humidistat, timer and remote switch - the adjustable electronic humidistat has been set so that it will come on automatically at its low speed when the moisture content in the room reaches 70% R.H. The fan will continue to operate until the Relative Humidity falls below the pre-set level and the timer has completed the over-run period. Using the remote switch will boost the fan to its maximum speed (the neon light indicates that the fan is operating in this mode). Operating the switch a second time will return the fan to its lower speed and automatic operation by the humidistat and the timer.

All versions with "LV" are LOW VOLTAGE (SELV). They MUST be installed using the transformer provided.

All versions with Timer or Humidistat incorporate adjustable trimmers. The overrun period on timer can be adjusted upwards by turning the RED trimmer on the PC Board in a clockwise direction (from a minimum of 3 min to a maximum of 15 min). The Humidistat can be adjusted so that it starts to operate at a higher level or relative humidity by turning the BLUE trimmer in a clockwise direction (from a minimum of 40% to a maximum of 100%).

All versions with Humidistat incorporate a controlled temperature set-back allowing the humidistat to take into account variations in the ambient temperature and to avoid the fan switching on unnecessarily. This reduces fan operation at night.

All the fans (with the exception of the "LV" models) are splash proof to standard IPX4. The "LV" fans are rated IP57 enabling them to be safely installed in areas where a splash proof fan does not provide sufficient protection against water ingress.

All fans are extremely quiet in operation.

IMPORTANT - SITING INFORMATION

1. For optimum use your fan should be installed at a minimum height of 2.3 m.
2. The fan must not be used in an ambient temperature higher than 40°C.
3. Your fan should not be exhausted into a duct which is already used for any other purpose.
4. An adequate supply of fresh air must be provided if the fan is to be fitted in a room containing a fuel burning appliance which is not of the balanced flue type.
5. Installation must be carried out by qualified personnel. Incorrect installation can cause damage to people, animals or properly for which the manufacturer cannot be held liable.
6. If you have any doubts concerning this product, please contact your supplier.

IMPORTANT - ELECTRICAL INFORMATION

1. All electrical connections must comply with current BS7671 wiring regulations.

2. The fan is a fixed appliance, and the electrical supply must therefore be by a fixed wired and fused (3 amp) spur incorporating a double pole switch with contact openings of at least 3 mm. Use twin conductor cable of at least 1 mm^3 in section.
3. Your fan is double insulated and does not require earthing.
4. The fans comply with BSEN60335; with the Low Voltage Directive; with EC Directive EMC 89/336 for the Suppression of Radio Interference.
5. It is recommended that the installation be carried out by a qualified electrician.
6. The printed circuit board in these fans has been protected to make it compatible with the majority of fluo rescent fittings available on the market today. However, it is impossible to be aware of all the new products introduced. We suggest therefore that you contact your supplier to establish the compatibility of the fluores cent fitting you intend to use.

INSTALLATION INSTRUCTIONS
Preparation
1. Remove all packing material and check that your fan has not been damaged in transit.
2. Check that your electrical voltage and frequency correspond with those marked on the rating label.
3. Check the location of existing wiring for ease of connection.

Fixing Instructions
1. Remove the front cover of the fan by loosening the screw on the underside of the base and depressing, with a screwdriver, the catch next to the crew take the cover of from the bottom.
2. Remove the cable entry knockout.
How to install in a ceiling using ceiling ring
3. Cut a 148 mm - 150 mm (5.85" - 5.95") hole in the ceiling (plus thickness of ducting to be used, when necessary), ensuring that the surface on which the fan is to be fitted is smooth and level.
4. Ensure that the cable is correctly located with the cable entry point of the fan.
5. Place the fan in the hole in the ceiling and use the ceiling ring (optional) to fix in place by screwing the ring onto the threaded spigot of the fan. (NOTE: if installing the fan on your own, it can be held in place, whilst screwing the ceiling ring, with a couple of self tapping screws.)
6. Connect the ducting to the outlet spigot (either 4" - 100 mm or 6" - 150 mm ducting can be used) ensuring that the back draught shutter is free to open.
7. Connect the incoming wiring supply as indicated in "Wiring Instructions" below and replace the front cover.
How to install in a ceiling using fixing screws
3. Cut a 148 mm - 150 mm (5.85" - 5.95") hole in the ceiling (plus thickness of ducting to be used, when nec essary), ensuring that the surface on which the fan is to be fitted is smooth and level.
4. Using the fan as a template mark the position of the screw holes.
5. Ensure that the cable is correctly located with the cable entry point of the fan and drill the holes for the fixing screws.
6. Place the fan in the hole in the ceiling and fix in place using fixings appropriate to the ceiling type.
7. Connect the ducting to the outlet spigot (either 4" - 100 mm or 6" - 150 mm ducting can be used) ensuring that the back draught shutter is free to open.
8. Connect the incoming wiring supply as indicated in "Wiring Instructions" below and replace the front cover.
How to install in a cavity wall
3. The fan can be installed in two different ways:
   - OPTION A: using 6" duct through both walls
   - OPTION B: using 4" duct in outer wall only.
4. **OPTION A:** Cut a 148 mm - 150 mm (5.85" - 5.95") (plus thickness of ducting to be used) hole in the inside and in the outside wall. (FIG A)
   OPTION B: Cut a 148 mm - 150 mm hole in the inside wall and a 98 mm - 100 mm (plus thickness of ducting to be used) hole in the outside wall. NOTE: the thickness of the inside wall plus the cavity must be AT LEAST 90 mm. (FIG B)
5. Place the duct.
6. Using the fan as a template mark the position of the screw holes.
7. Ensure that the cable is correctly located with the cable entry point of the fan and drill the holes for the fixing screws.
8. Place the fan in the hole in the wall and fix in place using fixings appropriate to the inside wall type.
9. Connect the incoming wiring supply as indicated in "Wiring Instructions" below and replace the front cover.