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INSTALATION INSTRUCTIONS FOR THE 100mm 4" MM-S and LOW VOLTAGE EXTRACTOR FANS

NOTE

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

I. For best results always install the fan in the furthest window wall or ceiling from the main air inlet point and at a high level. This will ensure maximum airflow of fresh air throughout the room.

II. Always use our low voltage or In-line duct fans to ventilate a shower cubicle. The transformer of the low voltage fan must be sited out of reach of any person using the bath or shower.

III. All wiring must comply with IEE Regulations. The power cable must be a minimum of 1mm sq in section.

1. Cut a hole in the wall to suit the fan and ducting Ø100mm/4"(MM100). If the fan is to be fixed in the ceiling ensure that the hole is between the joists.

2. Fit ducting flush to the plaster of the wall or ceiling. Unclip the front grill Fig A (1)

3. Hold the body of the fan against the wall or ceiling and mark the fixing holes Fig A (2) and the cable entry.

4. Bring the power cable into position. For correct connection refer to the wiring diagrams (Fig B, Fig C, Fig D, Fig E) for the different models.

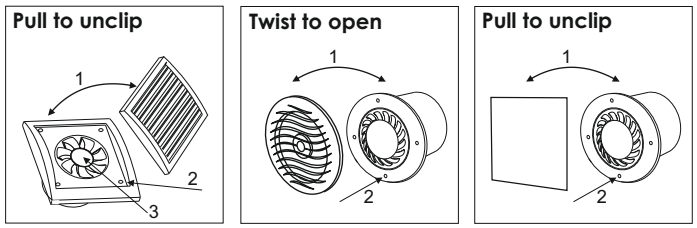


Fig A.

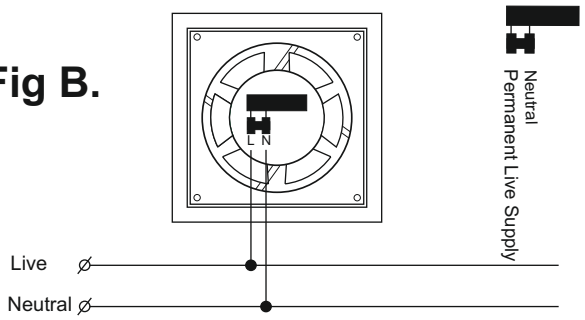
(1) Front Grille (2) Fixing Holes (3) Cover

5. Use wall plugs and fixing screws to fix the fan to the wall or ceiling.

NOTE: If the fan is fitted with back shutter, make sure the shutter is in vertical position.

BASIC FAN, MM-S for sauna/steam room; LIGHT RELAY AND TIMER

Fig B.

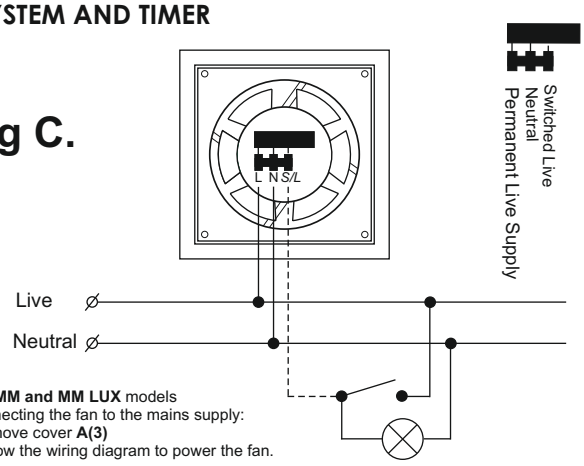


For MM and MM LUX models
Connecting the fan to the mains supply:
-Remove cover **A(3)**
-Follow the wiring diagram to power the fan.

Standard The fan is connected to the light switch or to a separate pull-cord switch and will operate from the pull-cord switch or when the light is switched on.
Light Relay and Timer The fan will operate when the room is lit and the built-in timer ensures operation for 5 minutes after the light is switched off.

WITH TIMER; HUMIDITY CONTROL SYSTEM AND TIMER

Fig C.

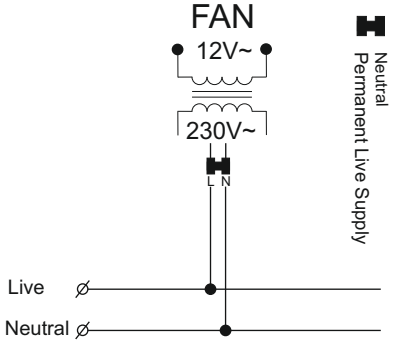


For MM and MM LUX models
Connecting the fan to the mains supply:
-Remove cover **A(3)**
-Follow the wiring diagram to power the fan.

With Timer The fan is connected to the light switch and will operate when the light switch is switched on or from a separate pull-cord switch. The built-in timer will ensure operation for 5 minutes after the light is switched off.
With Humidity Control System and Timer
a) The fan will operate when the light switch is switched on. The timer ensures operation for 5 minutes after the light is switched off and the humidity is below 70%.
b) The fan will operate when the humidity in the premises reaches over 70%. The built-in timer will ensure operation for 5 min. after the humidity is reduced below 70%.

LOW VOLTAGE BASIC FAN

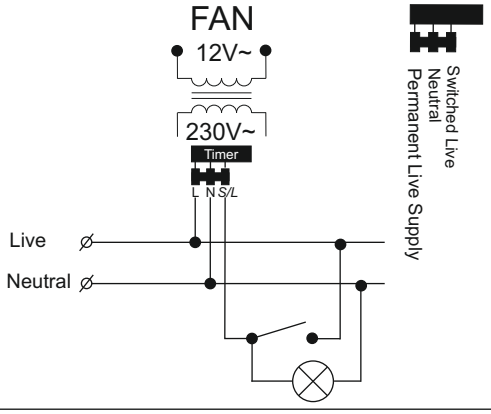
Fig D.



Note:
The transformer must be sited out of reach of any person using the bath or shower.

LOW VOLTAGE TIMER FAN

Fig E.



Note:
The transformer must be sited out of reach of any person using the bath or shower.

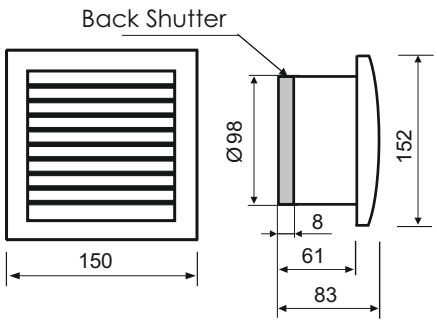
IMPORTANT
- Switch off mains supply before making any electrical connections or maintenance. If in any doubt contact a qualified electrician.
- The appliance is not intended for use by children or persons with reduced physical, sensory or mental capabilities without being given supervision.
- Precautious must be taken to avoid back-flow of gases into the room from the open flue or other open-fire appliances.

All MM series fans are designed for long life use and should not require any servicing for at least 30 000 hours of continuous operation.

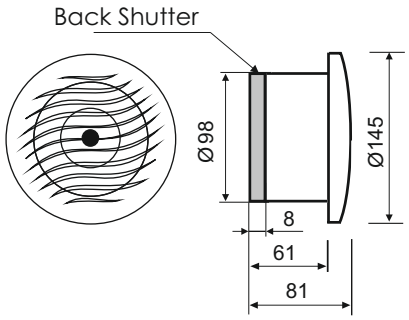
As standard the electric motors of all MM series fans are manufactured with Trickle Impregnation Technology. The fans are fitted with long life double capsulated ball bearings and fan blades made from Glass Filled Polyamide (advanced engineering material resisting 200°C).
The **MM-S** fan for sauna and steam room is entirely housed in Glass filled Polyamide, fitted with high temperature resistant double capsulated ball bearings and high temperature wiring. The **MM-S** fan is designed to operate for up to 140°C.

PROFILE

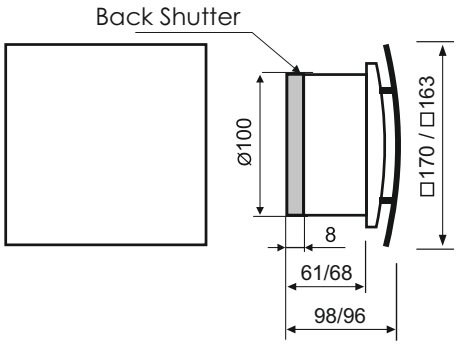
SQUARE



ROUND



ELLIPSE / SQUARE



TECHNICAL DATA

Type	Hz/V	min^{-1}	m^3/h	W	A	Pa	IP	Kg	Max Air Temp.	Max Noise Level
MM 100	50/220-240	2750	169	18	0,120	67	56	0,66	80°C	32 dB
MM LUX 100	50/220-240	2750	169	18	0,120	67	56	0,68	80°C	32 dB
MM P 100	50/220-240	2750	169	18	0,120	67	56	0,86 / 1,00	80°C	32 dB
MM S 100	50/220-240	2750	169	18	0,120	67	56	0,62	140°C	32 dB

Important for all models:

The fan has a spring in the backflow flap. When installing on the ceiling, please remove this spring