MMotors JSC

LONG life systems

INSTALATION INSTRUCTIONS FOR THE

100mm 4"/ 120mm 5"/ 150mm 6"/ MM2 (240/130mm),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.

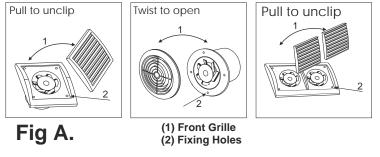
III. All wiring must comply with IEE Regulations. The power cable must be a minimum of 1mm sq in section.

1. Cut a hole in the wall to suit the fan and ducting Ø100mm/4"(MM100); Ø123mm/5"(MM120); Ø155mm/6"(MM150); MM2(240/130mm)). 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)

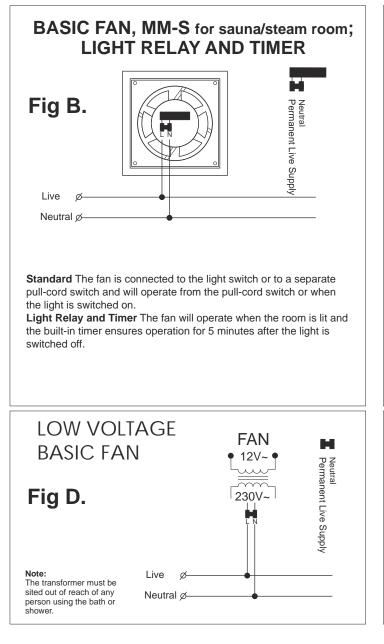
3. Hold the body of the fan against the wall or ceiling and mark the fixing holes Fig A (2) and the cable entry.

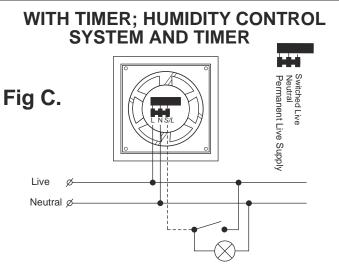
4. Bring the power cable into position. For correct connection refer to the wiring diagrams (Fig B, Fig C, Fig D, Fig E) for the different models.



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.



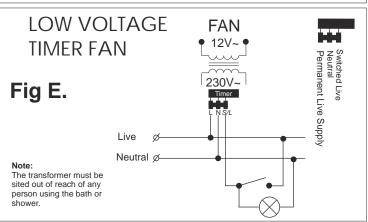


With Timer The fan is connected to the light switch and will operate when the light switch is switched on or from a separate pull-cord switch. The built-in timer will ensure operation for 5 minutes after the light is switched off.

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%.



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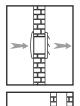
The appliance is not intended for use by children or persons with reduced physical, sensory or mental capabilities without being given supervision.
Precautious must be taken to avoid back-flow of gases into the room from the open flue or other open-fire appliances.

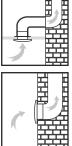
All MM series fans are designed for long life use and should not require any servicing for at least 30 000 hours of continuous operation.

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.

Technical data										
Туре	Nominal voltage	Spinning frequency	Maximum debit	Consumed power	Consumed electricity	Protection degree	Max Air Tem	Max Noise Level		
	Hz/V	min ⁻¹	m³/h	W	А	IP		at 1m distance		
MMLV 100/105	50/12	2790	105	17	2	X4	80°C	39 dB	5 years	
MM 100/60	50/230	2500	60	16	0,095	X4	80°C	39 dB	3 vears	
MM 100 Gold	50/230	2750	105	17	0,110	X4	80°C	41 dB	3 years	
MM 100 LUX	50/230	2750	110	18	0,125	X4	80°C	41 dB	5 years	
MM 120	50/230	2650	150	18	0,125	X4	80°C	42 dB		
MM 150	50/230	2650	240	46	0,385	X4	80°C	51 dB		
MM 2	50/230	2500	2x60	2x16	2x0,095	X4	80°C	36 dB	3 years	
MM-S 100	50/230	2750	105	17	0,110	X4	140°C	40 dB		
MM-S 120	50/230	2650	150	18	0,125	X4	140°C	42 dB		





GUARANTEE

Your MMotors domestic fan comes with a free 3 or 5 years manufacturer's guarantee.

The MMotors extractor fans are fitted with double insulated high-efficiency electric motors, which are totally maintenance free and sealed for life. The embedded Long Life double capsulated ball bearings guarantee smooth operation for at least 30 000 hours.

MMotors extractor fans are manufactured to conform to the highest European standards, and we are confident that they are totally reliable. However, in the unlikely event a fault may occur, they have a full five year guarantee which covers you for manufacturing faults or parts failure.

In order to be covered for the five years, please keep your proof of purchase and return the appliance to the point of purchase where appropriate action will be taken. There is no need to complete the registration form.

Guarantee Document:

Product		 	 	
Туре		 	 	
Date of pu	urchase	 	 	

Purchaser....

Sales person.....



Factory: MMOTORS 3 Malak Iskar str. Etropole-Bulgaria Fax: (+359 720) 6 36 21 E-mail: mmotors@mmotors-bg.com www.mmotors-bg.com

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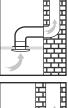
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