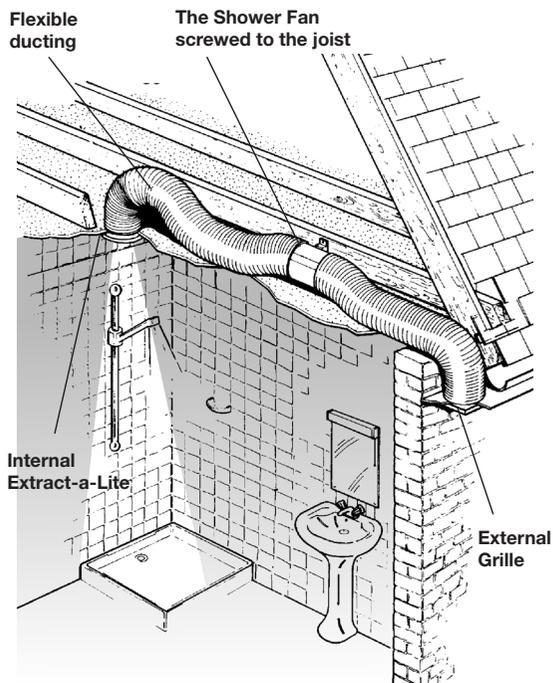


IMPORTANT

- 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.
- Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other open-fire appliances when mounted in outside windows or walls.



Specifications

Electrical:	220-240V ~ 50Hz	<input type="checkbox"/>
Fan Wattage:	20W	
IP Rated:	IP44	
Airflow:	31l/s (110m ³ /hr)	
Max Temp:	40°C	

Transformer Specifications

Input Voltage:	220-240V ~ 50 Hz
Output Voltage:	12V AC ~ 50 Hz
Max Output:	60W

LED Driver Specifications

Input Voltage:	220-240V ~ 50 Hz
Output Voltage:	12V DC
Max Output:	12W



We reserve the right to change specification without prior notice.



Manrose is proudly distributed by Simx Limited
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INSTALLATION INSTRUCTIONS

MANROSE
CLASSIC SERIES

MANROSE CLASSIC 100mm EXTRACT-A-LITE / EXTRACT-A-LED FAN

Thank you for selecting our Manrose 100mm Extract-a-Lite Fan Kit.
Please read all instructions before commencing installation.

Please ensure the correct LED lamp and driver OR Halogen lamp and transformer are used for replacements. The LED model MUST be replaced with an LED lamp and the Halogen model MUST be replaced with a Halogen lamp. They are not interchangeable.

Light Specifications: LED models: FAN5373 and FAN5374

Driver Input: 220-240 VAC
Driver Output: 12VDC
Lamp MR16: 12V / 3W high power LED

Halogen models: FAN0420 and FAN0438

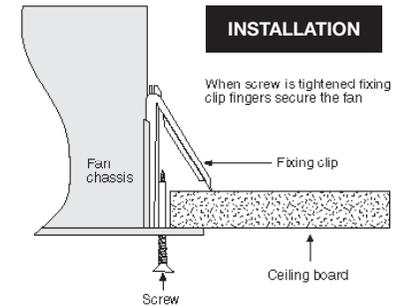
Transformer Input: 220-240 VAC
Transformer Output: 12VAC
Lamp MR16: 12V / 50W Halogen

Installation Instructions

Important: The Halogen Extract-a-Lite must not work independently of the fan.

1. Cut a 115mm-diameter hole in ceiling, fix the chassis using the 4 holes provided. (Always ensure the hole is cut between ceiling rafters). Use the fixing clips to secure the fan in panel walls & ceilings.
2. **LED models:** Connect a suitable driver to the Extract-a-LED and to a suitable power supply, ideally to the switched live of the extractor fan installed. Recommended driver: FAN5342. Replacement lamp: LHT0221.
3. **Halogen models:** Connect a suitable transformer to the Extract-a-Lite and to a suitable power supply, ideally to the switched live of the extractor fan installed. Recommended transformer: FAN2101. Recommended lamp: FAN0431.
3. Place the fascia onto the chassis by locating onto the 3 lugs, and twisting clockwise.
4. Never connect mains direct to the lamps.
5. The transformer/driver must be suitable for 230V AC input.

CAUTION: Disconnect the power supply, and be sure that the lamp has fully cooled before removing or replacing.



DIMENSIONS

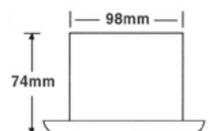
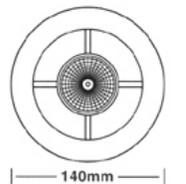
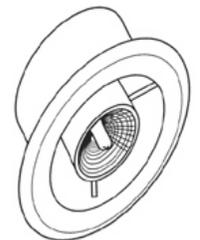


Diagram 1 (EL100S) Standard Model This diagram is for a lighting circuit only

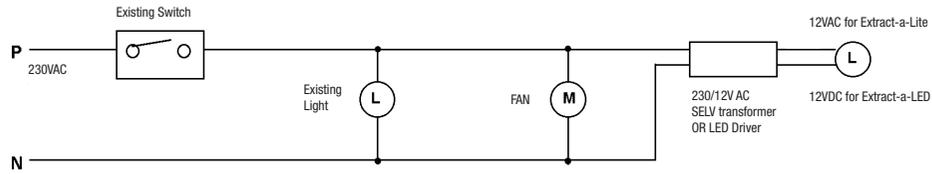


Diagram 2 (EL100T) Timer Model. This diagram is for a lighting circuit only

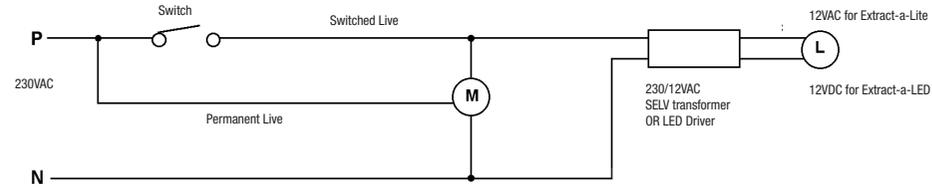


Diagram 3

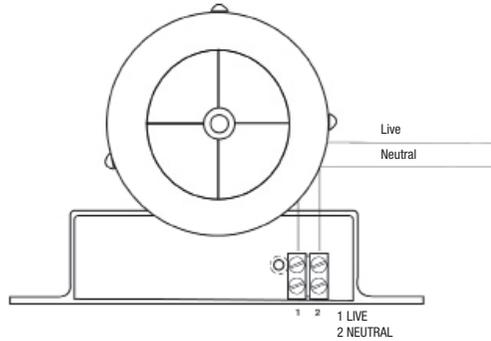
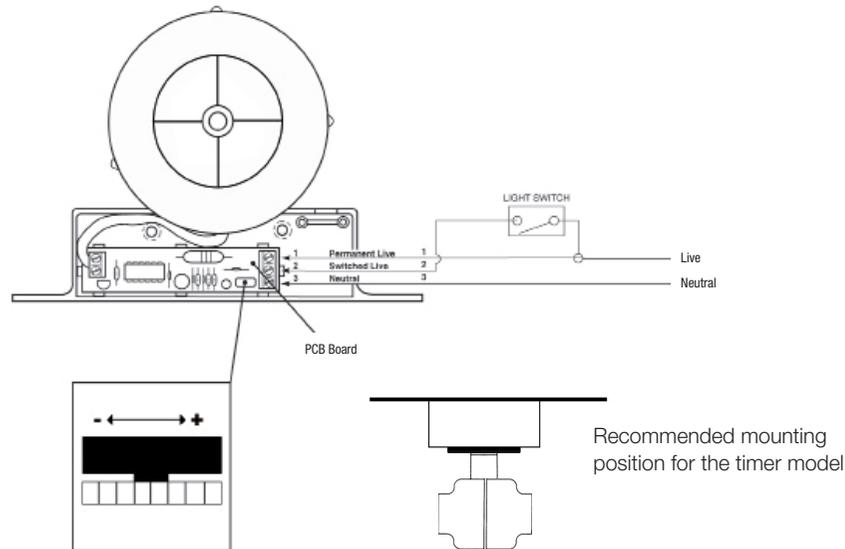


Diagram 4



FITTING THE INDUCT FAN

1. Select a suitable place for the fan to be screwed to a joist and secure using two screws through the fixing bracket.
2. Using the external grille select a suitable position either in the soffit or on an outside wall and cut a 110mm hole. Attach one end of the flexible duct to the grille and from the outside feed the ducting through the hole until the grille is flush with the soffit/wall. Secure the grille to the wall.
NOTE: It is best not to cut the flexible ducting until the grille with the flexible ducting attached has been screwed to the outside surface so as to avoid the possibility of cutting the duct too short.
3. Pull the flexible ducting gently to the discharge spigot of the fan and cut it to length and connect to the fan.
NOTE: The discharge end of the fan unit is the end where you can see the back-draught flaps. There is also an arrow on the unit showing the airflow direction.
4. Connect the other piece of duct to the Extract-a-Lite / Extract-a-LED and onto the fan. Cut off and discard any excess ducting. **NOTE:** Make sure wherever possible to keep the ducting running in a straight line as this will improve the performance of the fan.

5. Wiring of Standard Model EL100S. Diagram 1 & 3

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 1mm² in section. All wiring must comply with current Regulations. This system should be installed by a qualified electrician.

6. Wiring of Timer Model EL100T as Diagram 2 & 4

The EL100T fan unit with the time delay fitted will run approximately one minute after it has been switched off. This time delay can be increased by firstly switching off the power to the fan and removing the cover on the bracket. Locate the rotary adjuster as shown in **Diagram 4**. 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.

NOTE:

These units are double insulated and therefore does not require an earth. The time delay is preset for approximately one minute and can be adjusted as described in paragraph 6. Try to keep the ducting as straight as possible and wherever possible keep the distance between the Extract-a-Lite / Extract-a-LED and the external soffit or wall as short as possible as the shorter the length of ducting the better the performance of the fan.