

## FITTING THE DUCTING

**Note:-** Make sure wherever possible to keep the ducting runs as straight as possible this will improve the performance of the fan.

Stretch and cut the ducting to fit between the Fan Light/Fan/Outlet Grille. Ensure the flexible ducting is pushed fully into the spigots before securing the flexible ducting using the duct ties provided.

Check the Fan and Light function properly.

**Note:** *Ensure that the Fan and Light components are securely fastened.*

## TIMER ADJUSTMENT

BEFORE ADJUSTING THE TIMER, ISOLATE THE MAINS SUPPLY

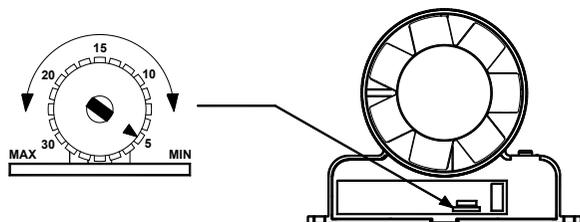
Remove the fan cover and retain the screws.

Rotate the thumbwheel clockwise to decrease the overrun time required.(Fig.5)

Rotate the thumbwheel anti-clockwise to increase the overrun time required. (Fig.5)

Once required time is set replace cover with the two screws and check fan operation.

Fig.5



## BULB REPLACEMENT

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

Replace any cracked or damaged lamp

Remove the faulty lamp by pulling it out the lamp housing.

Replace new lamp by aligning the 2 lamp pins with the lamp holder in the lamp housing and then pushing it into position.

**Use only a 3W LED 12VDC LAMP, Type MRI6**

## MAINTENANCE

Disconnect the power supply

The shower light bezel can be removed and cleaned with a cloth.

The shower light housing and inline fan can be cleaned with a cloth.

It is recommended to check the electrical connections annually.



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# FAN AND LIGHT SHOWER VENTILATION KIT Installation and Wiring Instructions

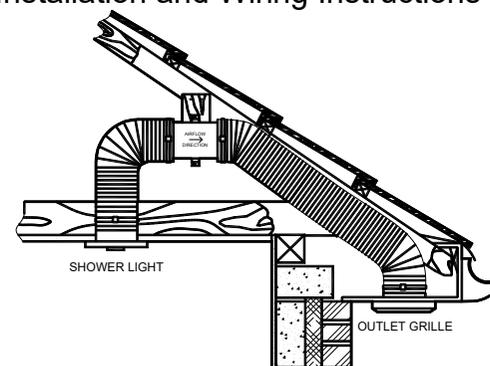


Fig.1

## SAFETY NOTES

**DO NOT install this Fan in areas where the following may be present or occur: -**

- Excessive oil or grease laden atmosphere.
- Corrosive or flammable gases, liquids or vapours.
- Ambient temperatures higher than 40°C or less than -5°C.
- Possible obstructions, which will hinder the access or removal of the fan or light assembly.
- Sudden ductwork bends and transformations close to the fan.

1. All wiring to be in accordance with the current I.E.E Regulations, or the appropriate standards of your country and MUST be installed by a suitably qualified person.
2. The fan should be provided with a fused, isolator switch capable of disconnecting all poles, having a contact separation of at least 3mm.
3. Ensure that the mains supply (voltage, frequency, and phase) complies with the fan's rating label.
4. 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.
5. The fan should not be used where it is liable to be subjected to direct water spray.
6. The fan should be mounted at the highest point in the system to protect it from condensation build up.
7. It is recommended that the connections to the fan and transformer connector terminals are made with flexible cord.
8. Do not cover the transformer. Service life may be reduced if it gets too hot.
9. The luminaire shall, under no circumstance, be covered by insulating matting or similar material.
10. 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.
11. Children should be supervised to ensure that they do not play with the appliance.

**TIMER MODEL-PLEASE NOTE:** Some older fluorescent and low energy lighting products can interfere with other electronic/timing circuits. For reliable operation of timer models use post 2000 low energy bulbs or tungsten filament bulbs in the room lighting circuit.

## INSTALLATION OF THE FAN AND SHOWER LIGHT KIT

### General Notes:

The Fan should be installed horizontally, as shown in Fig. 1, using the fan mounting base to secure into a suitable position

The flexible ducting should be installed with a fall away from the fan unit

Where the flexible ducting on the discharge side of the fan slopes upwards it is recommended that a condensation trap be installed. Consult your supplier for further guidance

Where the flexible ducting passes through an unheated roof void, the flexible duct should be insulated to minimise condensation in the duct.

## INSTALLATION OF THE SHOWER LIGHT

Cut a 102mm hole in the ceiling between the joists, once the shower Light position has been determined. Hold the body of the shower light against the ceiling and mark the four screw holes (alternatively use the fixing clips to secure the fan in the ceiling). See Fig 2 below.

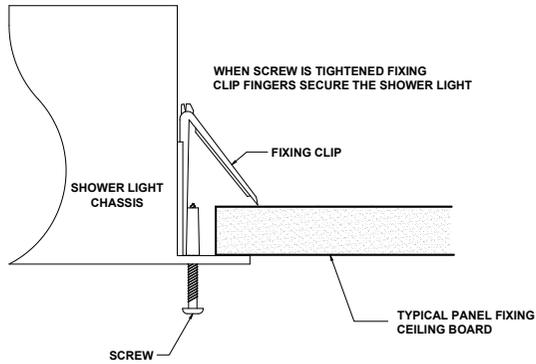


Fig.2

## SITTING THE FAN AND GRILLE

Position the fan at the highest point on the system (see Fig.1 for guidance), so the flexible ducting can slope from the fan down to both the Shower Fan Light and the Outlet Grille when fitted. Fix the fan into position, using the two fixing slots in the base, to a suitable support using the woodscrews provided. It should be positioned so that the mains cable is pointing downwards and the airflow arrow is pointing towards the outlet grille.

The outlet grille provided can be installed through a soffit as shown in Fig.1 or alternatively in a wall.

## WIRING

**Warning:** The fan and ancillary control equipment MUST be isolated from the power supply during installation or whilst maintenance work is carried out.

### LIGHTING TRANSFORMER - WIRING DETAIL

Connect the transformer to the shower light and to a suitable power supply, ideally the switched live of the extractor fan or bathroom lighting circuit. (see Fig.4 for timer model, or for standard model see Fig.3)

**IMPORTANT:-The shower light must not work independently of the fan.**

Where the installation does not permit connecting the LV leads from the lamp housing directly into the remote transformer an extended lead can be used. The lead should be a minimum of 1mm sq in section connections should be made within a standard BS6220 5 amp junction box.

Once the wiring to the lamp is complete the lamp bezel white or chrome can be fitted by locating the 3 lugs, and twisting anti-clockwise.

Never connect mains supply direct to the class III shower light

Power input – 12 volts AC 50VA

### INLINE FAN STANDARD - WIRING DETAILS

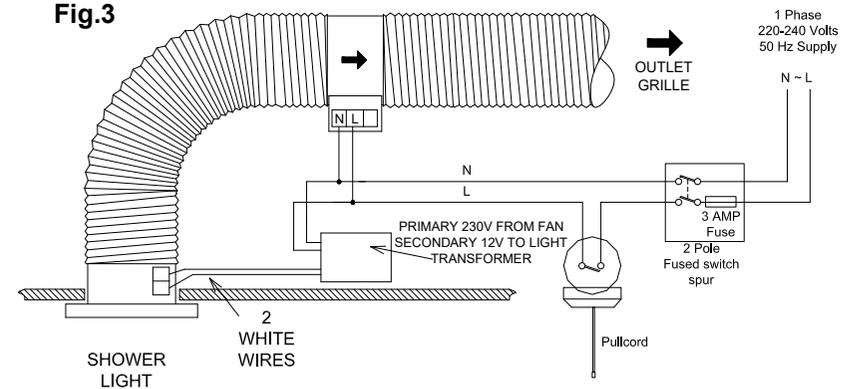
Remove the cover on the fan bracket and retain the screws

**IMPORTANT:** Fit the blind cable grommet in the cable entry hole and carefully pierce with a 4mm diameter bradle or screw driver. Push the supply cable through the grommet leave enough cable to make the electrical connections, secure the cable with the cable grip provided.

Refer to Fig.3 for a standard fan controlled by remote switch or an automatic sensor.

A double pole fused spur having a contact separation of at least 3mm must be fitted and sited outside of the bathroom/shower cubicle.

Fig.3



### INLINE FAN WITH OVERRUN TIMER - WIRING DETAILS

Remove cover and fit grommet as described for the standard inline fan.

Refer to Fig.4 for the wiring details. When the light is switched ON the fan will operate and continue to run for a pre-set time after the switch is turned OFF. The over-run timer is factory set at approximately 15 minutes, but can be adjusted between 1 and 30 minutes (Fig.5)

A triple pole isolator must be fitted and sited outside of the bathroom/shower cubicle.

Connect the mains power supply to the Fan.

Fig.4

