

SHOWERFAN, SLIMLINE FAN & SHOWERLITE

100mm 4"/120mm 5"/150mm 6" TIMER & AUTOMATIC MODEL

INSTALLATION INSTRUCTIONS

Q436674

Installation of Showerfan

1. For best results this Extractor Fan should be fitted as high on the wall as possible, or to suit individual requirements.

The slimline fan can be fitted in a shower cubicle, next to baths and above tapes where regulations prevent installation of conventional fans.

Cut a (see table below) hole in the ceiling directly over the shower head ensuring first that the area above is free from obstruction and between two joists.

SHOWERFAN DIMENSIONS

100mm/4"	100mm
120mm/5"	135mm
150mm/6"	155mm

2. Using the internal circular grille, carefully remove the grille from its housing by levering gently at the sides with a small screwdriver. Push the grille into the hole in the ceiling and make sure it is square to the walls and then mark the position of the fixing holes on the ceiling. Drill and plug the holes and screw the grille to the ceiling then refit the grille to the chassis fitted to the ceiling.
3. Select a suitable place for the Fan to be screwed to a joist and secure using two screws through the fixing bracket.
4. Using the external square grille select a suitable position either in the soffit or on an outside wall and cut a 4.5"/115mm hole. Attach one end of the flexible duct to the grille with one of the straps provided 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 as before.
NB: It is best not to cut the flexible ducting until the grille has been screwed to the outside surface to avoid the possibility of cutting the duct too short.
5. Pull the flexible ducting gently to the discharge spigot of the fan and cut it to length and connect to the fan with another of the straps provided.

NB: The discharge end of the Fan Unit is the end where you can see the fan blade clearly. There is also an arrow on the unit showing airflow direction.

6. Connect the other piece of duct to the ceiling grille and onto the fan as before using the other straps provided.
NB: Make sure wherever possible to keep the ducting running in a straight line as this will improve the performance of the fan.
7. Remove the cover on the Fan Bracket and make the electrical connection as follows:

Wiring of Standard Model.

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the shower room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3amp fuse, and should be sited outside any room containing a shower or fixed bath. The fan should not be accessible to a person using either the shower or the bath.

8 Wiring of Timer Model Diagram A

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the shower room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3amp fuse, and should be sited outside any room containing a shower or fixed bath. 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 IEE Regulations. If in any doubt contact a qualified electrician.10.

9. Installation of Slimline model. Diagram B

Select suitable position for fan and cut a suitable diameter hole (see dimension below) in the wall.

Bring power cable into position as indicated in diagram B.

Allow a minimum of 250mm (10") extra length.

When cutting slot in ducting ensure it is correctly positioned for cable entry as diagram B.

N.B. WARNING: Aluminium ducting has sharp edges.

After passing cable through hole, extend flexible duct to width required (maximum 350mm long). Insert into hole and make good with duct flush either side. Do not build in cable at this stage see item B. Fix outer grey grille (fixed) into position. Insert backdraught shutter until it touches external grille.

Wire up fan see internal label. Fan can either be operated from a separate pullcord switch fitted to the ceiling of the room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3 amp fuse and should be sited outside any room containing a shower or fixed bath.

Insert fan into duct as diagram A and sure a minimum of 175mm from face of wall to rear of fan chassis. Clip cable into self adhesive clips and place in position as indicated. (Ensure you apply foam tape around fan body).

Make good around cable at edge of duct and fit internal fixed grille.

SLIMLINE DIMENSIONS

100mm/4"	110mm
120mm/5"	140mm
150mm/6"	173mm

Installation of Showerlite Model Diagram C

1. Cut a suitable diameter hole (see dimension below) in ceiling, fix the Showerlite chassis using the 4 screws provided. (Always ensure the hole is cut between ceiling rafters).

2. Connect the Transformer to the Showerlite and to a suitable power supply, ideally switched live of the Extractor Fan or Bathroom lighting circuit. See diagram 1.

IMPORTANT: The Showerlite must not work independently of the fan.

3. Place the ceiling cover onto the Showerlite Chassis by locating onto the 3 lugs, and twisting anti-clockwise.

4. Never connect mains supply direct to the Showerlite.

Power input - 12 volts AC 50VA

CAUTION

Disconnect the power supply, and be sure that the Lamp has fully cooled before removing or replacing. (Max Lamp Wattage 50 Watts)

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 4.5"/115mm hole. Attach one end of the flexible duct to the grille with one of the straps provided 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.

N.B. 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 with another of the straps provided.

NB: The discharge end of the fan unit is the end where you can see the fan blade clearly. There is also an arrow on the unit showing the airflow direction.

4. Connect the other piece of duct to the Showerlite and onto the fan as before using the other straps provided. Cut off and discard any excess ducting.

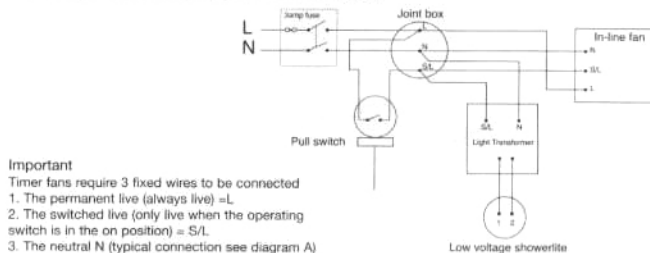
N.B. Make sure wherever possible to keep the ducting running in a straight line as this will improve the performance of the fan.

SHOWERLITE DIMENSIONS

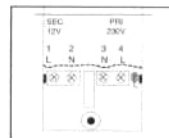
Recommended minimum Hole Ø

TYPE/SIZE	INTERNAL	EXTERNAL
100mm	98mm	117mm
120mm	118mm	137mm
150mm	150mm	167mm

This diagram is for a lighting circuit timer model



Transformer (cut away)



Connections from the showerlite to transformer can be connected to either of the SEC 12V terminals. Connections from the showerlite to transformer can be connected to either of the PRI 230V terminals. With each connection the polarity is not critical.

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 IEE Regulations. If in any doubt contact a qualified electrician.

This unit is 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 9. Try to keep the ducting as straight as possible and wherever possible keep the distance between the ceiling grille and the external soffit or wall as short as possible as the shorter the length of ducting the better the performance of the fan.

IMPORTANT

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. Fan should be installed by fixed wiring only. A flexible cord should not be used. Switch off mains supply before making any electrical connections. If in any doubt contact a qualified electrician. 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.

Thumb Wheel

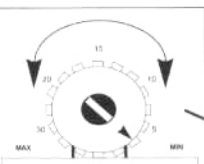
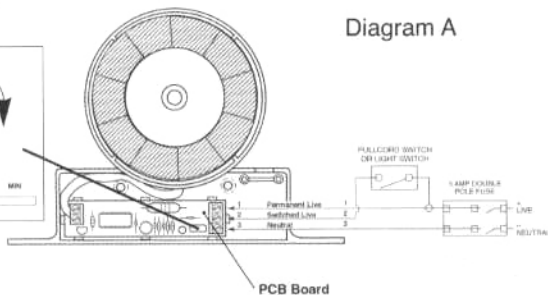


Diagram A



Timer Adjustment diagram for 6" AUTO Fan

Diagram Da

Timer Thumb Wheel

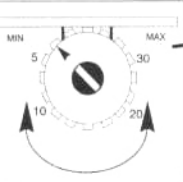
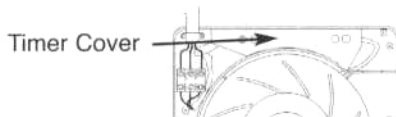
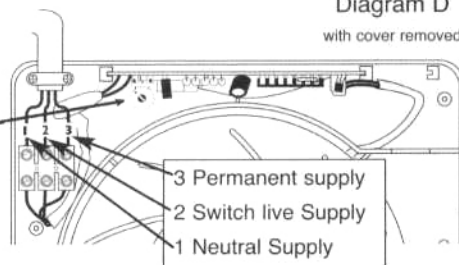


Diagram D

with cover removed



Timer Cover

Timer Adjustment

The Timer fan 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. Remove the timer cover and carefully turn the thumb wheel clockwise to reduce the time and anti-clockwise to increase the time. **Only adjust with power switched off.** The timer will run for is 20 seconds and the maximum is about 20 minutes. **NB Timer delay is adjustable as indicated on the timer strip cover.**

Diagram B

TYPICAL INSTALLATION

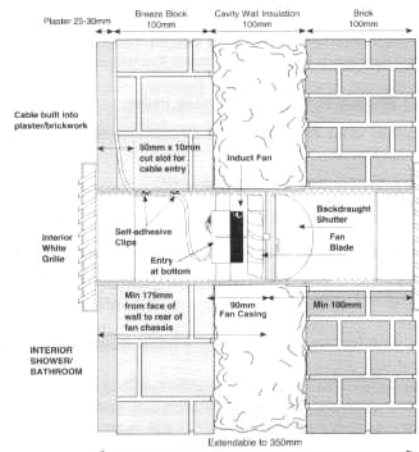
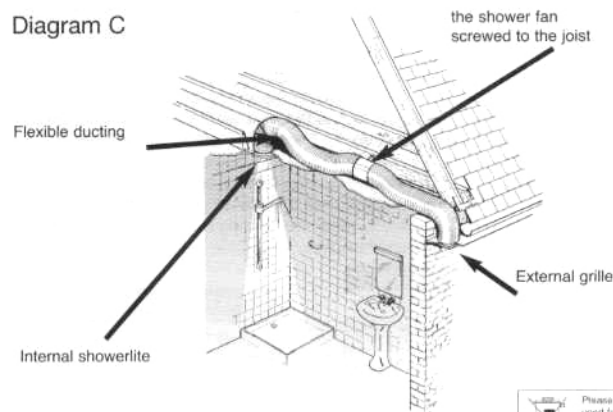


Diagram C



Please dispose of used fan at your local civic amenity site. Do not dispose in domestic waste

INSTALLATION INSTRUCTIONS FOR THE 100mm 4"/120mm 5" INDUCT FAN

Q.U 36674

THE FANS CAN BE FITTED ANYWHERE INTO THE DUCTING SYSTEM AND INSTALLED IN A VERTICAL OR HORIZONTAL POSITION, USING NOMINAL BORE INLETS AND OUTLETS OF 100mm/4" & 120mm/5" AND IS COMPATIBLE WITH STANDARD SOIL PIPE.

WIRING OF 100mm 4" (STANDARD MODEL WITHOUT BRACKET)

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3 amp fuse, and must be sited outside any room containing a shower or fixed bath. The fan must not be accessible to a person using either the shower or the bath.

TERMINAL CONNECTORS

TERMINAL 1 - BLACK NEUTRAL SUPPLY

TERMINAL 2 - BLACK LIVE SUPPLY

WIRING OF 100mm 4"/120mm 5" (STANDARD MODEL WITH BRACKET)

With the exception of a bracket mount this fan is identical to install as above.

WIRING OF 100mm 4"/120mm 5" (TIMER MODEL)

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3 amp fuse, and should be sighted outside any room containing a shower or fixed bath. The fan should not be accessible to a person using either a shower or a 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 the current I.E.E. regulations. If in any doubt contact a qualified electrician.

TERMINAL CONNECTIONS

TERMINAL 1 - BLACK NEUTRAL IN

TERMINAL 2 - YELLOW SWITCH LIVE

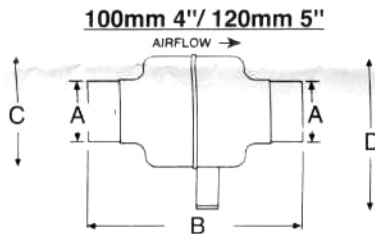
TERMINAL 3 - ORANGE PERMANENT LIVE

Fans fitted with the time delay will run approximately 1 minute after it has been switched off. This time delay can be increased by firstly switching off the power to the fan, removing the cover on the bracket and inserting a small screwdriver into the slot marked ↑ in the DIAGRAM W2, and turning clockwise to reduce the time and anticlockwise to increase the time.

ONLY ADJUST WITH POWER SUPPLY SWITCHED OFF.

IMPORTANT: SWITCH OFF MAINS SUPPLY BEFORE MAKING ANY ELECTRICAL CONNECTIONS

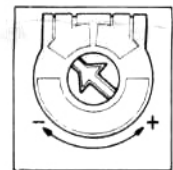
NOTE: This unit is double insulated and therefore does not require an earth. The time delay is pre- set for approximately 1 minute and can be adjusted as described in the previous paragraph. Try to keep the ducting as straight as possible and wherever possible keep the distance between the ceiling grille and the external soffit or wall as short as possible as the shorter the length of ducting the better the performance of the fan.



FAN DIMENSIONS

	A	B	C	D
100mm	100mm	258mm	155mm	195mm
120mm	125mm	260mm	155mm	195mm

Diagram W2



INSTALLATION INSTRUCTIONS FOR THE 100mm 4" TURBO INDUCT FAN

This fan can be fitted anywhere into the ducting system and installed in the vertical or horizontal position, nominal bore inlets and outlets of 100mm and is compatible with standard soil pipe.

TERMINAL CONNECTIONS

- | | | |
|-----------|-----------|-------------------|
| EARTH | 1. —————→ | SPARE |
| BROWN | 2. —————→ | SPARE |
| CAPACITOR | 3. —————→ | NEUTRAL SUPPLY IN |
| BLUE | | |
| BLACK | 4. —————→ | LIVE SUPPLY IN |
| CAPACITOR | | |

This fan is suitable for connection to the range of Remote Mounted Controls namely:

Remote Timer 1352

Remote PIR 1362

Remote Humidity 1350

Two Speed Controller 1350

WIRING OF STANDARD MODEL

The fan can either be operated from a separate pullcord switch fitted to the ceiling of the room or can be connected to the light switch so that the fan will start when the light is switched on. A double pole fused spur having a contact separation of at least 3mm in all poles must be used and fitted with a 3 amp fuse, and must be sited outside any room containing a shower or fixed bath. The fan must not be accessible to a person using either the shower or the bath.

IMPORTANT

All wiring must be fixed securely and the cable to the fan should be a minimum of 1mm² in section. Switch off mains supply before making any electrical connections. If in any doubt contact a qualified electrician.

All wiring must comply with current I.E.E. Regulations.

Rating: 220-240v - 50Hz 70w

