



SILENT-100 DESIGN

Instruction leaflet



SILENT-100 DESIGN AXIAL EXTRACTOR FANS

Suitable for bathroom applications

Thank you for placing your confidence in EnviroVent by buying this product. It has been manufactured in accordance with current safety regulations, production and quality standards as laid down by the international Quality Standard ISO 9001. Please read this instruction booklet carefully before installing or operating the product. It contains important information on personal and user safety measures to be followed whilst installing, using and carrying out maintenance work on the equipment. Once the product has been installed, please pass this booklet to the end user.

Check that the product is in perfect condition while unpacking. Any fault or damage caused in origin is covered by the EnviroVent guarantee. Please make sure that the product corresponds to the one you have ordered and that the detail on the instruction label fulfil your requirements.

IMPORTANT:

BE SURE TO HAVE READ AND UNDERSTOOD THESE INSTRUCTIONS BEFORE BEGINNING THE INSTALLATION PROCESS

SAFETY AND RECOMMENDATIONS

All wiring must comply with Building Regulations and the current I.E.E. Wiring Regulations (BS7671) or the equivalent standards for your country.

The final installation should be examined and tested by a competent person.

This fan is IP-45 rated.

Do not install near sources of heat in excess of 40°C.

Position the fan at the furthest distance from the main source of air replacement in the room in order to achieve maximum airflow performance.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

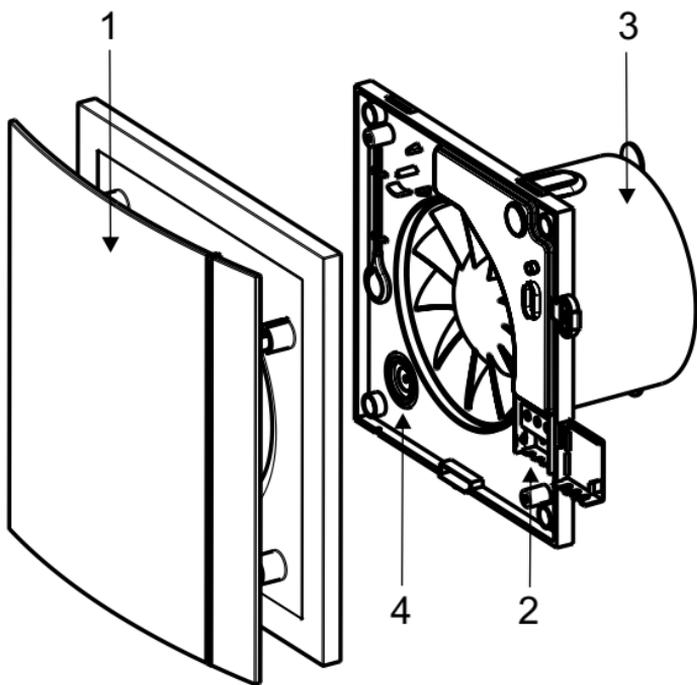


Fig.1

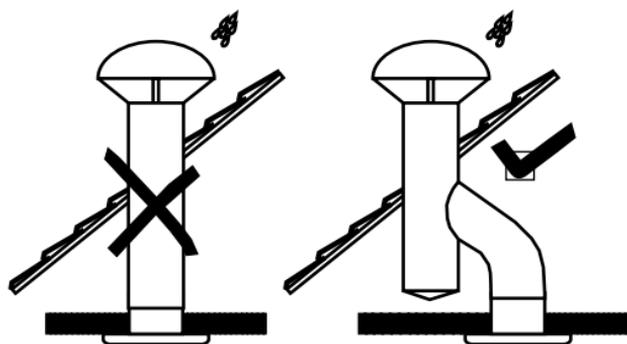
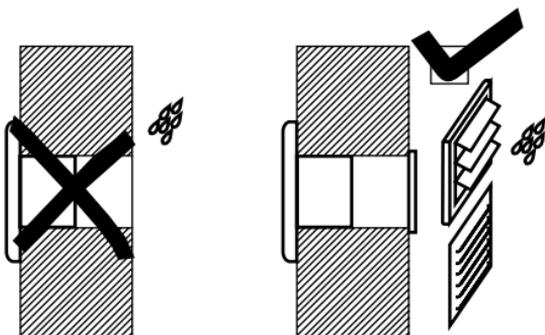
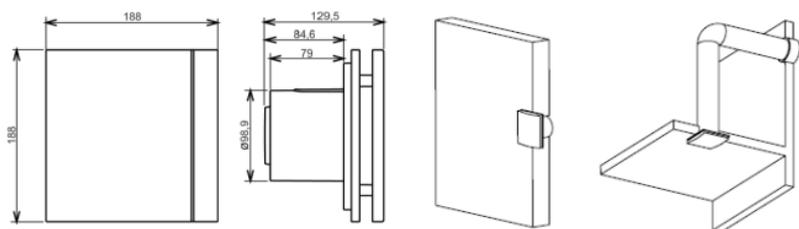


Fig.2

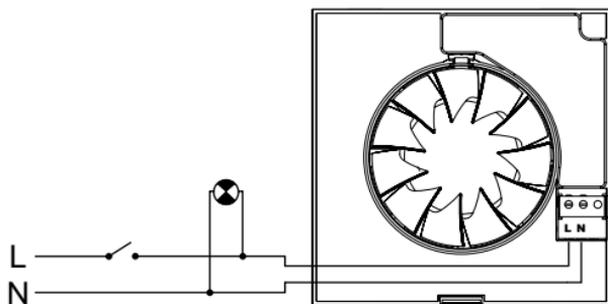


Fig.3

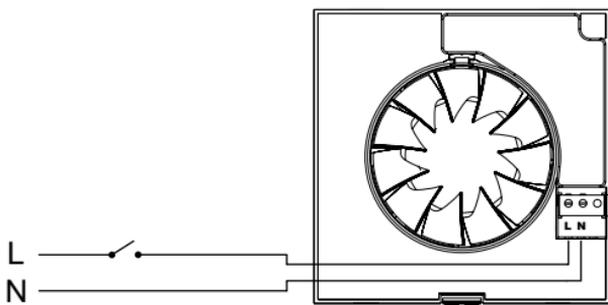


Fig.4

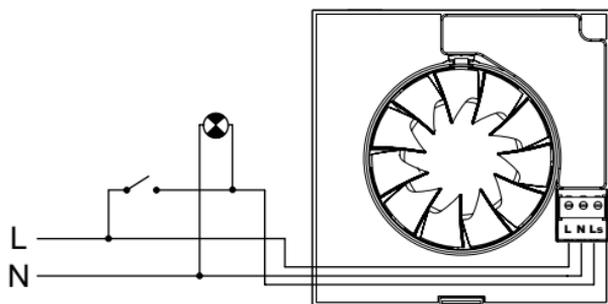


Fig.5

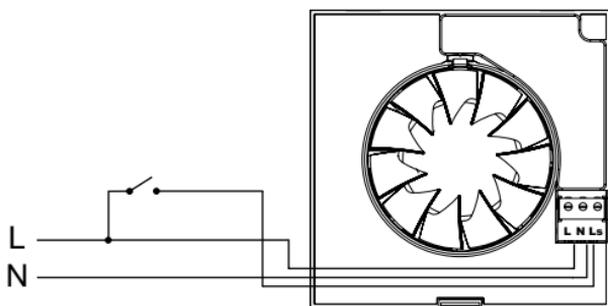


Fig.6

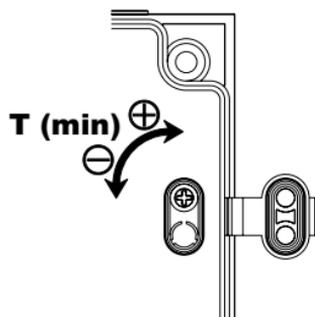


Fig.7

SILENT T

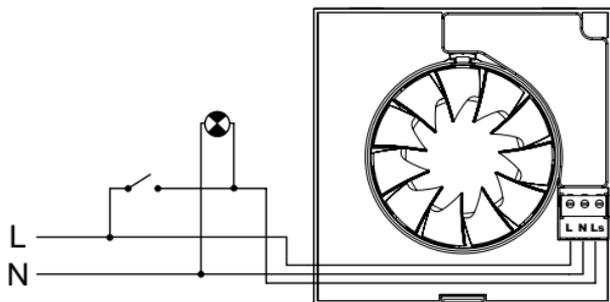


Fig.8

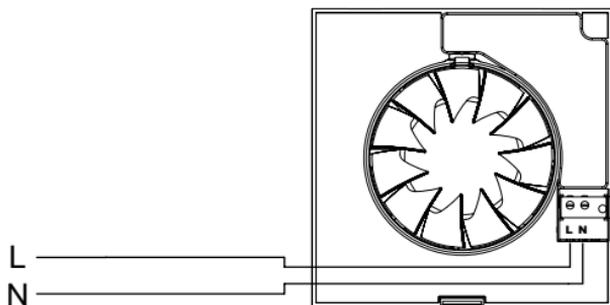


Fig.9

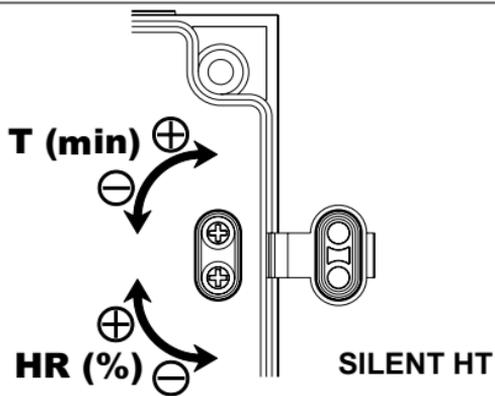


Fig.10

SILENT-100 DESIGN AXIAL EXTRACTOR FANS

Suitable for bathroom applications

INSTALLATION

This fan is IP45 rated and is suitable for application in zones 1 and 2 with RCD protection.

IMPORTANT: Before installing and wiring the unit, ensure that the main supply is disconnected.

SILENT-100 DESIGN should only be used in conjunction with fixed wiring.

- Fig. 1:
- 1: Protection grille
 - 2: Connection terminals
 - 3: Outlet with backdraught shutter
 - 4: Cable entry

The SILENT-100 DESIGN is suitable for wall or ceiling mounting and can either extract directly to the outside or via an individual ducted system (see Fig. 2).

The unit should be mounted on the wall or ceiling using the 4 rawl plugs and screws provided.

Make a hole in the wall or ceiling of 105 mm dia.

If the unit is to be installed with individual ducting, use a standard 100 mm dia. duct. Ensure that there are no obstructions to the airflow and that the impeller turns freely.

Fix the extractor to the wall in such a way that it is not distorted in order to avoid noise generation or problems with the rotation of the impeller. Make sure that the backdraught shutter opens freely and has not being damaged in transit. Introduce the mains cable through the cable entry (4) and fix it to the wall.

Connect the electrical wiring as set out below and then mount the protection grille.

WIRING

The SILENT-100 DESIGN is an extractor designed for a single phase supply, with voltage and frequency as indicated on the rating plate of the unit. The units are manufactured with double electrical insulation (Class II) and therefore they do not need an earth connection.

The electrical installation must include a double pole switch with a contact clearance of at least 3 mm.

The electrical cable must enter the SILENT-100 through the cable entry (4).

Once the cable has been introduced proceed using the electrical wiring diagram applicable to the selected model.

. SILENT-100 S DESIGN

This model uses the following diagrams:

Fig.3: Fan operating through a light switch.

Fig.4: Fan operating through an independent switch.

. SILENT-100 P DESIGN

Model fitted with on/off pullcord switch uses the following diagrams:

Fig.3: Fan operating through a light switch.

Fig.4: Fan operating through an independent switch.

. SILENT-100 T DESIGN

This model is provided with an adjustable over-run timer. The timer allows the fan to continue to operate for the selected period after the switch has been turned off (fig.6).

The model is provided with 4 positions to adjust the electronic timer: Fig.5 shows how to connect the fan with timer utilising the same switch as for the lighting circuit. To set the timer, turn the potentiometer on the printed circuit board as (fig. 7):

- To reduce the "run on" time, turn anticlockwise (min. 1 minute)
- To increase the "run on" time, turn clockwise (max: 30 minutes).

. SILENT-100 HT DESIGN

Models provided with an electronic humidistat which can be adjusted from 60% to 90 % RH (relative humidity) and with a timer, adjustable between 2 and 20 minutes.

Operation

Case 1: Automatic operation (fig.9)

In automatic operation, the humidistat causes the extractor to operate automatically when the humidity level in the room is higher than the set level. The extractor will stop automatically when the humidity drops below the selected level and after the selected period set on the timer.

Case 2: Automatic operation as in case 1 with the facility to override the humidistat by means of the light switch (fig.8), when the humidity level in the room is lower than the selected level. In this case, the extractor continues to operate for the selected period set on the timer after the switch light has been switched off.

ATTENTION: When the humidity rate is above the selected value, the automatic option takes precedence over the manual and the unit cannot then be switched off using a switch.

The desired humidity level and time delay are set by means of adjuster positioned on the printed circuit board (fig.10) and accessible once the grille (1) is removed.

The humidity is set by the adjuster "%HR":

- To increase the humidity setting turn anticlockwise (min.60 %)
- To reduce the humidity setting turn clockwise (max. 90 %)

The timer is set by the adjuster "t min.":

- To reduce the "run on" time, turn anti-clockwise (min. 2 minutes)
- To increase the "run on" time, turn clockwise (max: 20 minutes).

CLEANING AND MAINTENANCE

IMPORTANT: DISCONNECT FROM THE MAINS SUPPLY BEFORE CARRYING OUT CLEANING AND MAINTENANCE

To ensure optimum performance from your extract fan, it should be cleaned regularly by a competent person.

AFTER SALES SERVICE

We recommend you not to dismantle or remove any other parts than those mentioned, as any tampering would automatically cancel the guarantee. If you detect any fault, contact EnviroVent on 01423 810810.

Thank you for choosing EnviroVent – the fastest growing ventilation company in the UK.

And remember, if you have any problems please call our dedicated Technical Team on the Hotline 0845 27 27 810

All the EnviroVent products are designed to be recycled when they reach the end of their working life. To save the environment and to reduce landfill please call EnviroVent on 01423 810810.

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GUARANTEE

The SILENT range products are covered by a five year guarantee, subject to the specified maintenance stated within this booklet. In the event of any failure of the fan within five years of supply – excluding only wilful or careless damage – we will exchange the fan free of charge.

EnviroVent Ltd
Envirovent House
Hornbeam Business Park
Harrogate
HG2 8PA

Name and address of purchaser

.....

Model

Date of purchase

Dealer stamp



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