



PROFILE-100

Installation and Wiring Instructions



PROFILE-100 AXIAL EXTRACTOR FANS

Suitable for bathroom applications

Thank you for placing your confidence in EnviroVent by buying this product. It has been manufactured following current technical 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 starting up 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 details on the instruction plate 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 IP44 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.

INSTALLATION: PROFILE -100

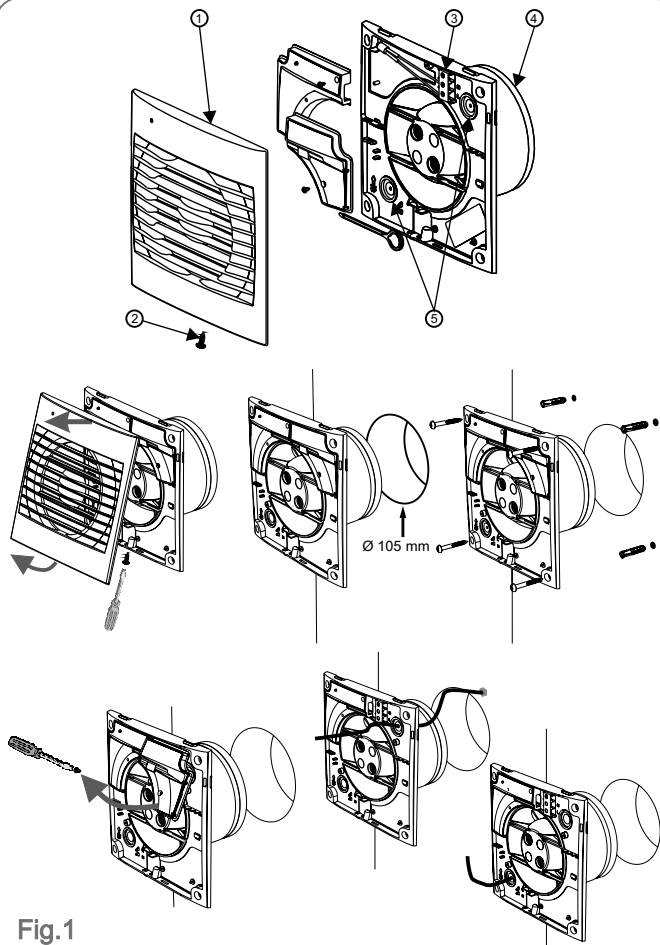


Fig.1

INSTALLATION: PROFILE -100

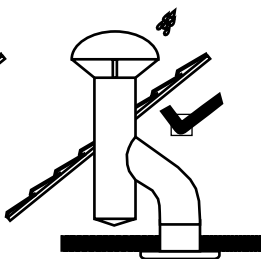
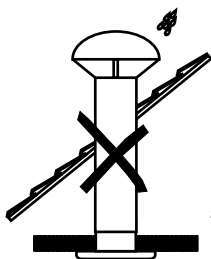
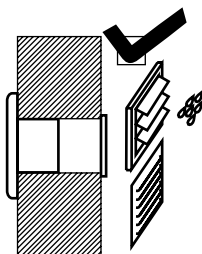
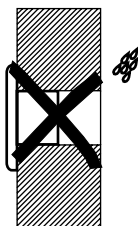
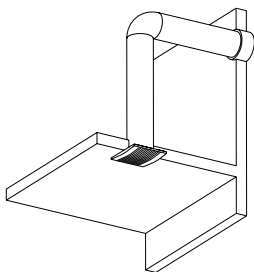
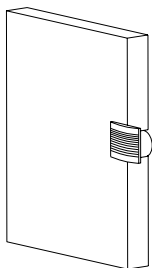


Fig.2

Fig.3

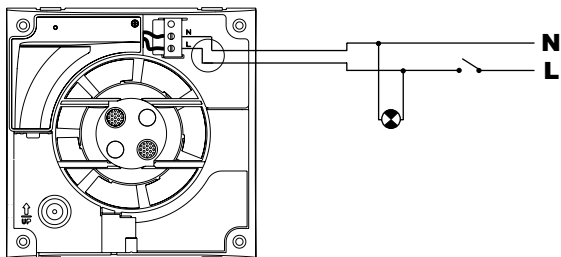


Fig.4

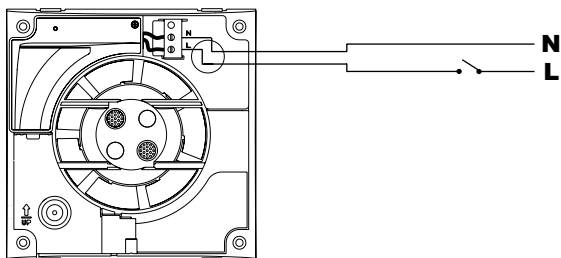


Fig.5

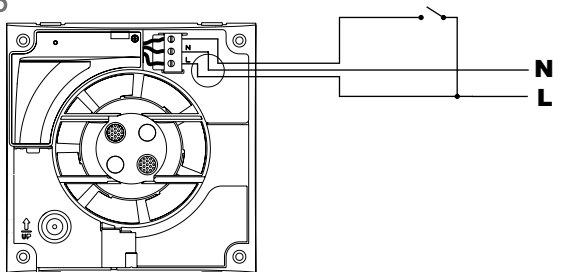


Fig.6

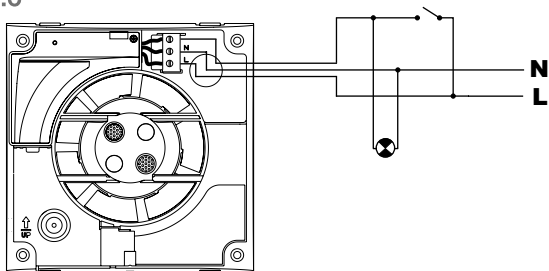


Fig.8

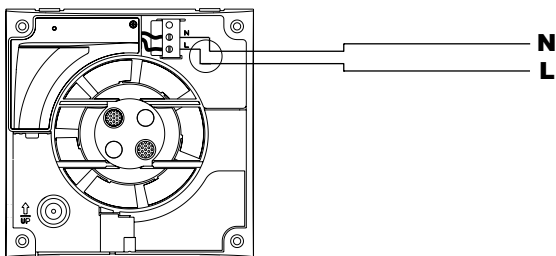


Fig.7

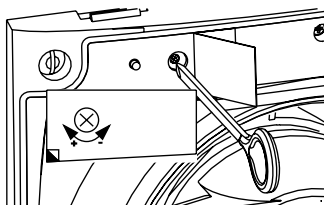
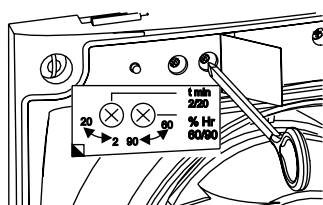


Fig.9



PROFILE-100 AXIAL EXTRACTOR FANS

Suitable for bathroom applications

INSTALLATION

IMPORTANT: before installing and wiring the unit, ensure that the mains supply is disconnected.

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

- Fig.1
- 1 – Grille
 - 2 – Fixing screw for front cover
 - 3 – Connection terminals
 - 4 – Outlet
 - 5 – Cable entry point

The PROFILE-100 is suitable for panel, ceiling or wall mounting (for wall mounting applications using EnviroVent wall kit) (fig. 2).

- Drill a hole in chosen position in the panel, ceiling or wall of size Ø105mm in diameter. If the unit is to be installed with ducting, use standard duct size Ø100mm.
- The hole for the duct should be angled downwards to prevent rainwater running through the duct into the unit.
- Loosen the screw (2), which holds the grille in place (1) and remove grille.
- Place the extractor against the internal wall or ceiling. For a wall mounted fan the terminal block should be at the bottom. Mark the 4 screw hole positions. Drill, plug and screw the extractor in position.
- Check that the wall tube is not distorted and that the impeller turns freely.
- Once the cable has been introduced through one of the cable points (5), fix to the wall.
- This fan must be installed by a competent person. Complete electrical wiring of fan as outlined in the Wiring Instructions below. Then refit the grille and tighten the screw (2).

WIRING

IMPORTANT: ENSURE THAT THE MAINS SUPPLY IS SWITCHED OFF BEFORE MAKING ELECTRICAL CONNECTIONS.

The PROFILE is an extractor fan 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 insulation (Class II) and therefore do not require an earth connection.

• PROFILE – 100 S

This model uses the following wiring diagrams:

Fig.3. Fan operating through a light switch.

Fig.4. Fan operating through an independent switch.

• PROFILE – 100 P

Models fitted with on/off pullcord switch use the following wiring diagrams:

Fig.3. Fan operating through a light switch.

Fig.4. Fan operating through an independent switch or sensor.

• PROFILE – 100 T

Models fitted with adjustable timer.

The timer enables the fan to continue running for the selected period after the switch has been turned off.

Fig.5. Fan operating through an independent switch.

Fig.6. Fan operating through a light switch.

The desired run-on time is selected by means of an adjuster positioned on the printed circuit board (Fig.7), and is accessible once the grille (1) is removed.

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

• PROFILE – 100 HT

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.

Specific recommendations

- In order to change the settings of the fan you will need to handle the controls located on the PCB. These adjusters are fragile and must be handled with care.

- In order to ensure correct measurement of humidity levels, the fan must be installed in an area where there is good air circulation.
- Ensure that the fan is inside the room that it is to be installed in when setting the humidity level.
- If the humidity level is consistently above 90%, the fan will continue to run without stopping.

Operation

Case 1: Automatic operation (Fig.8).

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 with manual override.

Automatic operation as in case 1, but with the facility to override the humidistat by means of the light switch (Fig.6), when the humidity level in the room is lower than the selected level. In this case, the extractor continues to operate for the period set on the timer, after the light switch has been switched off.

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

Settings:

The fans are set to operate at 60% relative humidity and with 2 minutes run-on time. If the humidity in the room is lower than 60%, the fan will not turn on. If it is higher, the fan will operate until the humidity level drops below 60%RH and then runs for the length of time set by the timer. The desired humidity level and time delay are set by means of adjusters positioned on the printed circuit board (fig. 9) and accessible once the grille (1) has been 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 anticlockwise (min. 2 minutes)
- To increase the run -on time, turn clockwise (max: 20 minutes).

ATTENTION: When the fan is operating on run-on time phase, it must finish before adjusting to a new setting.

Note:

If the fan never turns on:

- Humidity adjuster is not at its lowest setting. Turn the adjuster anticlockwise (do not force the adjuster) to the minimum setting.
- The fan is fitted in an area where there is no air flow.
- The humidity level in the room is below 60% RH.

If the fan never stops:

- Humidity adjuster is not at its highest setting. Turn the adjuster clockwise (do not force the adjuster) to the maximum setting.
- The humidity level in the room is above 90% RH.

• PROFILE – 100 PIR

Models provided with a PIR (passive infra-red) detector and a “run on” timer (1 to 30 mins).

The unit starts automatically when a movement is detected within a maximum distance of 2 metres (fig. 8) and will continue to operate for the set period.

The desired run-on time is selected by means of an adjuster positioned on the printed circuit board (fig. 7) and accessible once the grille (1) has been removed:

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

CLEANING AND MAINTENANCE

IMPORTANT: DISCONNECT FROM THE MAINS SUPPLY BEFORE CARRYING OUT CLEANING OR 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.



GUARANTEE

The PROFILE-100 range products are covered by a two year guarantee, subject to the specified maintenance stated within this booklet. In the event of any failure of the fan within two years of supply- excluding only wilful or careless damage – we will exchange the fan free of charge.

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HG2 8PA

Name and address of purchaser

Model

Date of purchase

Dealer stamp



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