



Genie Plus GPE-100-12 Range

SELV Energy Efficient Centrifugal Wall/Ceiling Mounted Toilet and Bathroom Fans

Installation and Maintenance

CE The EMC Directive 2014/30/EU
The Low Voltage Directive 2014/35/EU

IPX4

1.0 Introduction

These high quality extractor fans are designed to provide effective ventilation. To achieve this, please read these instructions carefully **BEFORE** installing the fan unit. Failure to comply with these instructions could reduce both the life and performance of the product and may invalidate the warranty.

This product is suitable for use with up to a maximum of 6.0m of rigid ducting. (Flexible ducting is not recommended).

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

2.0 Installation

The installation must be completed by competent persons in accordance with good industry practice and should conform to all governing and statutory bodies i.e. IEE, CIBSE, HVCA etc.

Before commencing any work read the following instructions carefully and ensure you have the necessary competency to complete the work safely.

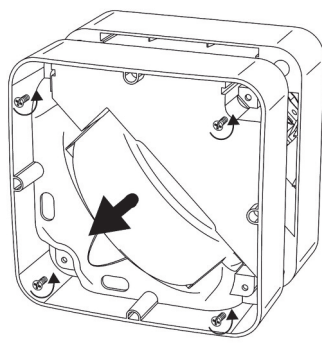
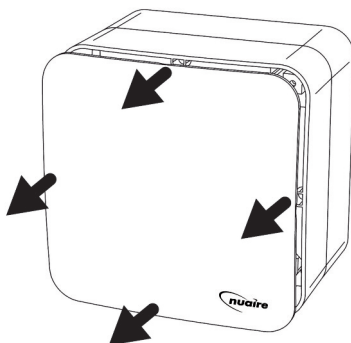
IMPORTANT

Isolation - Before commencing work make sure that the unit, switched live and Nuaire control are electrically isolated from the mains supply.

1. Select a suitable position for the fan that keeps the duct as short and as straight as possible (ideally on the ceiling or on a wall within 400mm of the ceiling).
2. Cut a hole in the wall to suit the outside diameter of the ducting or wall-liner. Install the duct or wall-liner taking care to seal at both ends between it and the wall using proprietary waterproof mastic. If required, connect further ducting to the wall-liner, sealing between each joint or fitting.
3. Remove the front cover of the fan by pulling straight off the fan body (Fig. 1a and 1b).

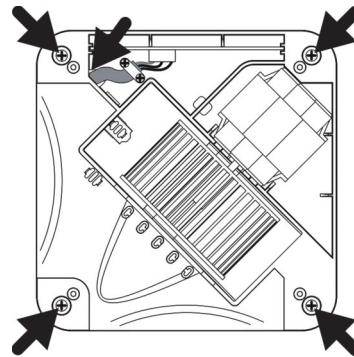
Fig. 1a. Removing front fascia.

Fig. 1b. remove 4 screws and front half.



4. Remove and retain the bag containing four Posidriv® screws for retaining the body moulding to the back-plate (Fig. 1b) and the cable clamp and screws.
5. Locate the fan back-plate into the wall-liner/duct and mark the four retaining screw positions (Fig. 2). Fit screw anchors suitable for the wall construction.
6. Install the fan taking care to pass the supply cable through the cable entry point in the fan back-plate moulding (Fig. 2).

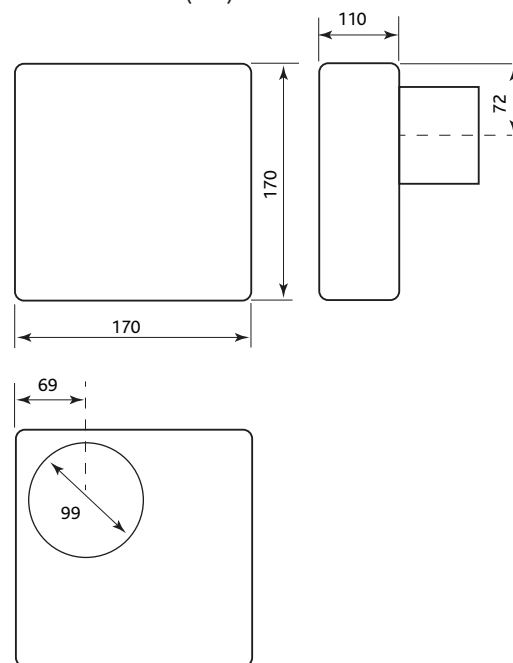
Fig. 2. Pass the supply cable through the cable entry point.



7. Complete the wiring by following the relevant wiring diagram on the following page (Fig. 4).
8. Assemble the fan body to the back-plate and clip on the front cover.

3.0 Dimensions

Figure 3. Fan Dimensions (mm)

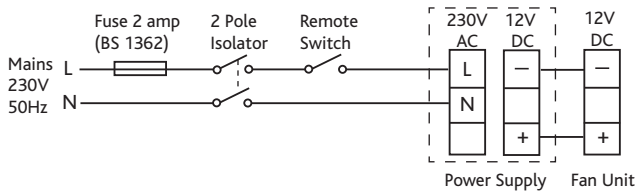


4.0 Wiring Instructions

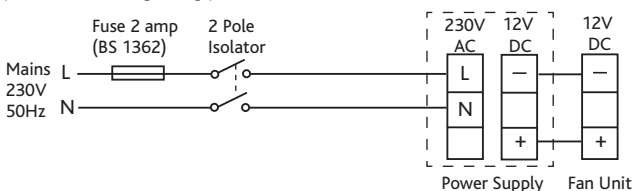
Disconnection from the supply mains must be incorporated within the fixed wiring in accordance with the wiring regulations and shall have a minimum contact separation of 3mm in accordance with the latest edition of the IEE Wiring Regulations.

Only GPE-100-12 SELV models are suitable for shower cubicles or zones 1 & 2 (in this range).

Unit Serving Bathroom GPE-100-12 Figure 4a. Wiring.



Unit Serving Bathroom GPE-100-HPC via pullcord (Auto humidity only) Figure 4b. Wiring.



Unit Serving Bathroom GPE-100-T-12, GP-100-HPC-12 (Optional timer operation, operating switch not required) Figure 4c. Wiring.

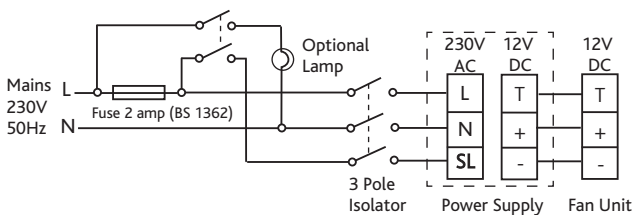
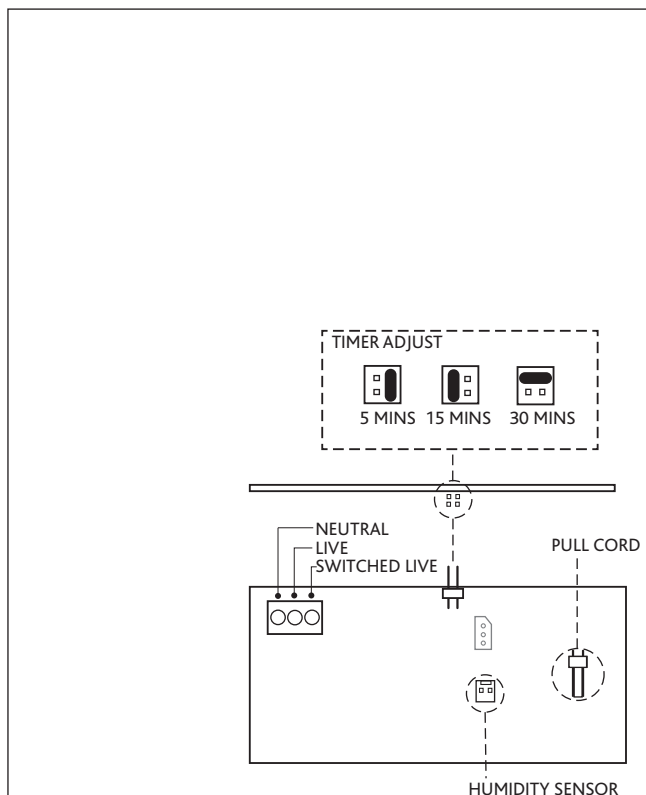


Figure 4d. Wiring. PCB details (where applicable)



5.0 Operation

IMPORTANT

Isolation - Before commencing work make sure that the unit is electrically isolated from the mains supply. If in doubt consult an electrician.

Overrun timer adjustment – models fitted with overrun timers only

Before making any adjustments, isolate the fan from the power supply. Remove the front cover and the body moulding. Locate the 'jumper' on the relevant set of pins to achieve the desired run-on time (see Fig. 4d).

Humidity adjustment – humidistat models only

All GP humidistat fans automatically sense a rapid change in humidity and adjust accordingly. The humidity control does not require manual adjustment. Humidistat fans, when energised for the first time, will run and time out as part of the stabilising process.

Performance: 19 l/s at 0 Pa – 91 Pa at 0 l/s
Rating: 230V 50Hz 7.4W IPX4 SFP 0.39 W/l/s

This product is double insulated and does not require an earth conductor. Maximum room temperature 40°C.

Range:

GPE-100-12	Standard
GPE-100-T-12	Overrun timer
GPE-100-HPC-12	Humidistat and optional overrun timer and pull-cord switch override

6.0 Maintenance

The fan unit does not require any maintenance. However, for optimum performance, it is advisable to remove any accumulated dust with a low power vacuum cleaner.

Note: Installation and Maintenance of the equipment must be as directed in the instructions provided with the unit.

7.0 Warranty

The 5 year warranty starts from the day of delivery and includes parts and labour for the first year.

The remaining 4 years covers replacement parts only.

The warranty is subject to the equipment having been installed and maintained in full compliance with these instructions.

8.0 Service Enquiries

Nuaire can assist you in all aspects of service. Our Technical Support department will be happy to provide any assistance required.

**Technical Support
on 029 2085 8400**

Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.