



Genie Plus GPE-100X-12 Range

Centrifugal Wall/Ceiling Mounted Kitchen, 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.

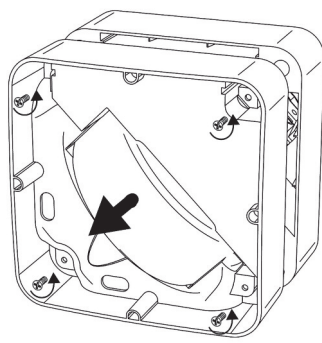
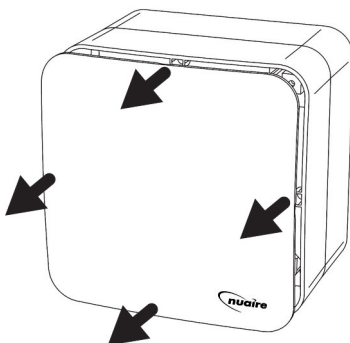
IMPORTANT

Isolation - Before commencing work make sure that the unit, switched live and Nuair 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).

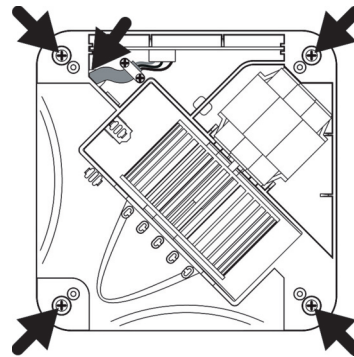
Fig. 1a. Removing front fascia.

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).

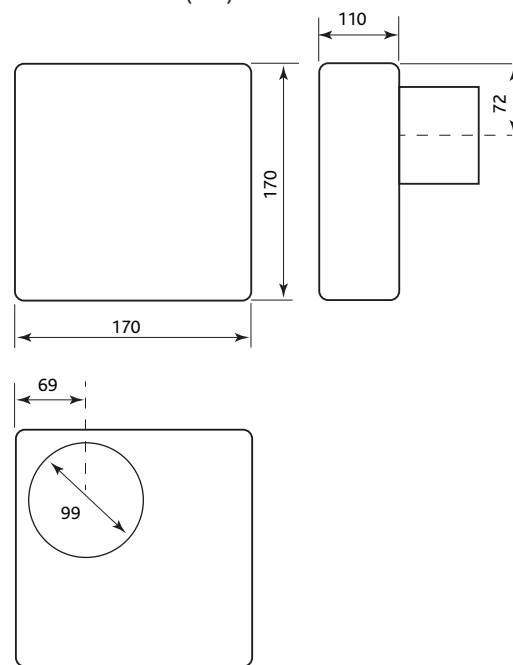
Fig. 2. Pass the supply cable through the cable entry point.



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

SL = 230Vac Switched Live, L = 230Vac Permanent Live, N = Neutral, T = 12 VDC Switched Live, + = 12 VDC - = 0 VDC

Figure 4a. Wiring.

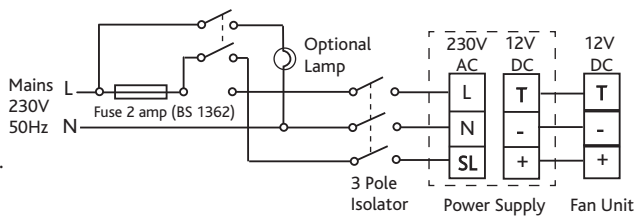
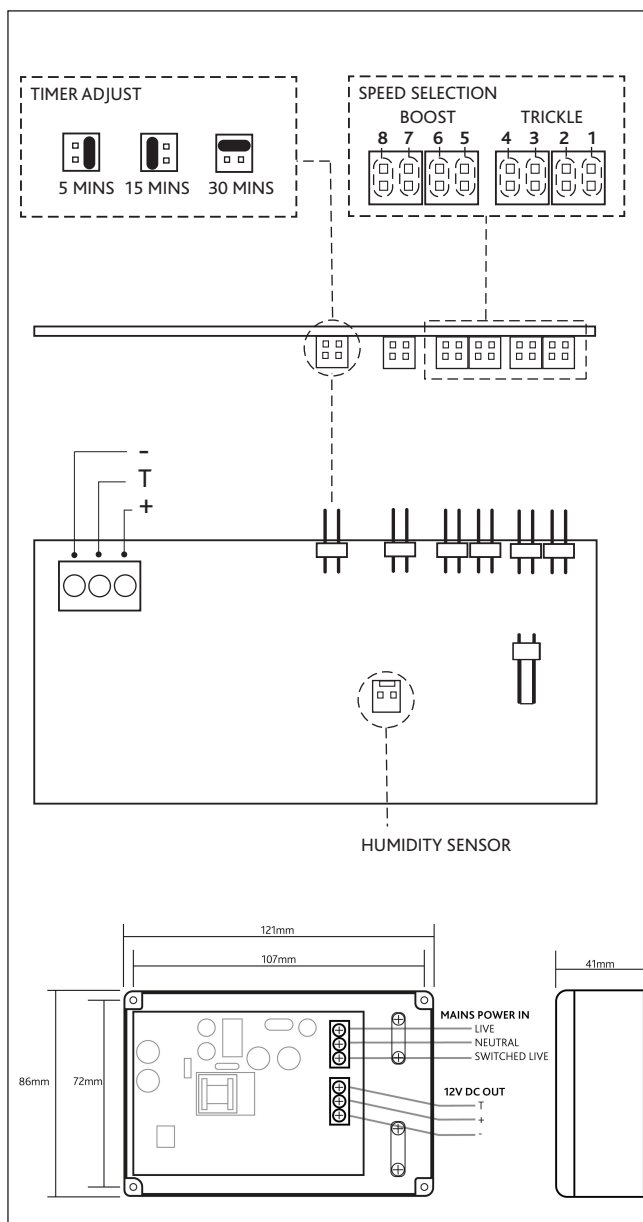


Figure 4b. Wiring. PCB details



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 boost adjustment

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. 4b).

Humidity boost adjustment

All humidistat GPE-100X-12 units 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:	Position jumpers for desired trickle and boost performance. (Fig. 4b)
Trickle:	Position 1 6 l/s (Default setting)
	Position 2 7 l/s
	Position 3 8 l/s
	Position 4 9 l/s
Boost:	Position 5 12 l/s
	Position 6 14 l/s
	Position 7 16 l/s
	Position 8 Boost 20 l/s (Default setting)
Rating:	230V 50Hz IPX4

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

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.

This warranty is void if the equipment is modified without authorisation, is incorrectly applied, misused, disassembled, or not installed, commissioned and maintained in accordance with the details contained in this manual and general good practice.

The product warranty applies to the UK mainland and in accordance with Clause 14 of our Conditions of Sale. Customers purchasing from outside of the UK should contact Nuaire International Sales office for further details.

8.0 After Sales Enquiries

For technical assistance or further product information, including spare parts and replacement components, please contact the After Sales Department.

Telephone 02920 858 400

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.