

## Genie/tops M in-line

### Ducted Bathroom & Toilet Ventilator 230 volts

#### NUAIRE

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**CE** The EMC directive: 89/336/EEC  
with modification 92/31/EEC  
The low voltage directive 73/23/EEC

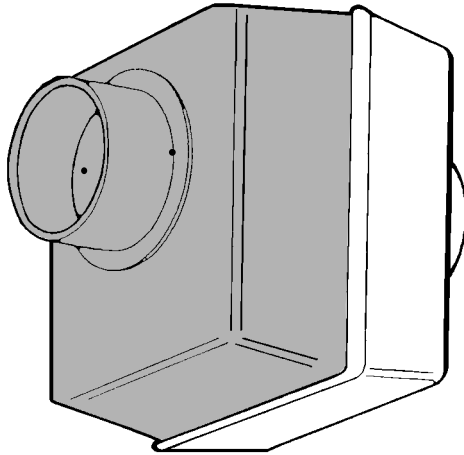


Fig. 1. General view of unit.

The Genie/TOPS 'M' In-Line is a concealed unit suitable for location inside or outside the bathroom in an adjacent cupboard or roof space etc. 100mm inlet and outlet spigots are fitted for connection to suitable ductwork.

Air entering the unit passes through an inlet grille and filter (optional extra). Air is discharged through an outlet grille (optional extra) at a rate of 21 l/s. Anti-backdraught shutters, retained in the closed position when fan is not running, are fitted to the white half of unit (except MX version; continuous running - no backdraught shutter required).

Motor has sealed, self lubricating bearings and 'Heatseeker' thermal overload protection. The fan/motor assembly is retained by spring clips to simplify maintenance.

Interchangeable electronic control modules can incorporate the following:

- Run on Timer
- Continuous low duty with boost.

### Introduction

The Genie/TOPS range of toilet & bathroom units has been specifically designed to ventilate small rooms such as toilets, bathrooms, cloakrooms etc.

As a safety feature the fan/motor assembly is automatically disconnected when the electronic control module is removed.

#### Inlet Grille and filter

(available as an optional extra. NB. It is strongly recommended that inlet filters are used to prevent contamination of Motor / fan assembly)

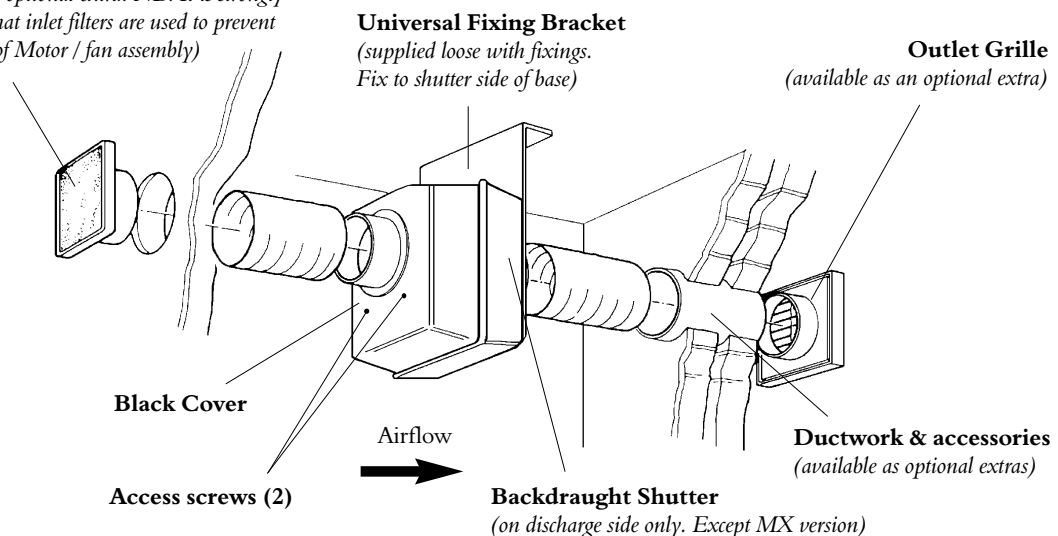


Fig. 2. Typical Installation of Genie 'M' In-Line with grilles and ductwork as optional extras.

## Installation

*(To be carried out by qualified personnel only)*

NuAire's Genie/TOPS 'M' range of duct mounted domestic extract fans are designed to extract small volumes of air through 100mm dia. ducting. Extract rate 21 l/s. Inlet is through a 100mm spigot located on the front of the unit.

Units can be fitted with a selection of controls which enable them to be linked to light switches, either directly or through run-on circuits.

a) It is assumed that a solid non reverberant mounting position has been prepared inside the duct passage area and the necessary ductwork already installed. It is also assumed that the electrical connections are in position. (Typically a switched fusible spur or equivalent to comply with the 16th Edition of the I.E.E. wiring regulations and local Electricity Board or Bye-Law requirements).

b) Separate the two halves of the unit by removing the screws (2 off) on the black half of the unit. Detach control module from slider and release the two internal clips. Then remove the fan unit. See Fig. 3.

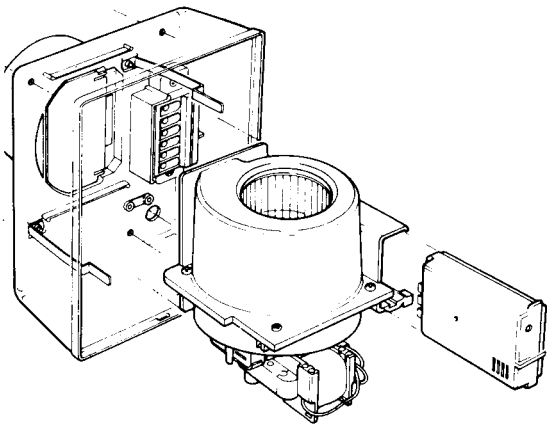


Fig. 3. Electronic control module and Fan/Motor assembly.

c) Fit the mounting bracket (supplied with unit) to the half of the case containing the wiring socket, using three self tapping screws supplied.

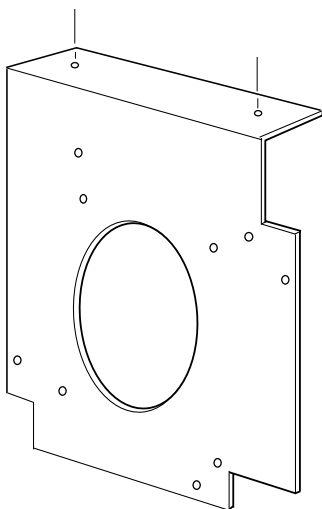


Fig 4. Universal Mounting bracket.

d) Assemble the outlet spigot to the ducting and fix the casing to a solid non-reverberant surface using two No.8 woodscrews through the mounting bracket, drilling and plugging the fixing area if necessary.

Note:

A gravity anti-backdraught shutter is used in this unit (except MX unit). Therefore if the unit is installed in a vertical duct, the shutter must be on top, the airflow upwards. See diagram C below.

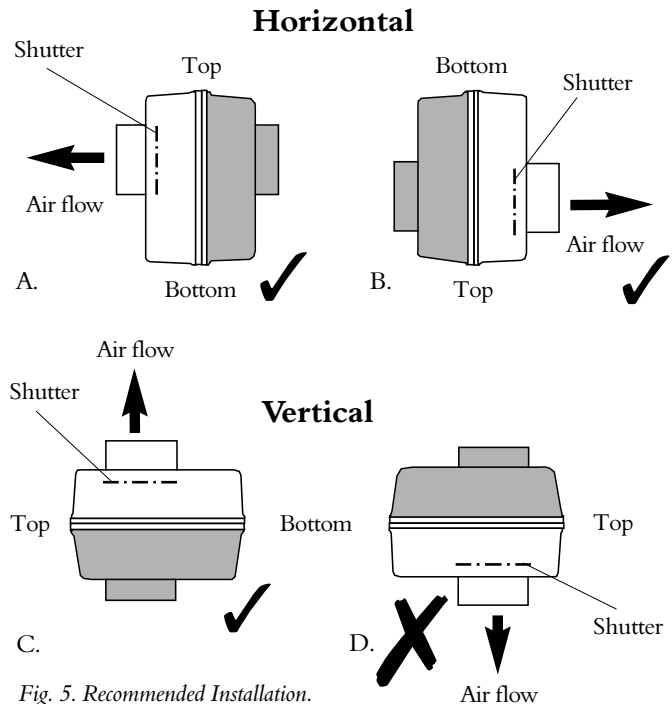


Fig. 5. Recommended Installation.

e) Feed the supply cable through the cable entry. Connect the wiring to the internal terminal block/socket. (NB. For ease of wiring, the internal terminal block/socket should be temporarily removed from its position). Following connection of the supply cable, refit the terminal block/socket. (2 screws).

f) Fit the fan assembly to the case, mating its plug fully with the internal socket. Lock with the spring clips.

g) Fit the control module into the slider. NB. Ensure that the control Module is fully engaged with socket. See Fig. 3.

h) Fit the other section of the flexible ducting to the inlet spigot on the remaining (cover) half of the case. Before refitting cover switch on the unit momentarily at the isolator and check that the green running light is illuminated before replacing black cover and secure with screws.

i) Test/run the unit.

## Installation details for unit supplied with pre-wired mains cable:

For Genie/TOPS 'M' units supplied pre-wired with nominal length (1.5m) of cable install as follows:

a) It is assumed that a solid non reverberant mounting position has been prepared inside the duct passage area and the necessary ductwork already installed with adequate clearance on the inlet side to allow fitting of the flexible ducting supplied with the unit. It is also assumed that the electrical connections are in position. (Typically a switched fusible spur or equivalent to comply with the 16th Edition of the I.E.E. wiring regulations and local Electricity Board or Bye-Law requirements).

b) Fit the mounting bracket (supplied separate in the box) to the white half of the case, using three self tapping screws supplied.

c) Assemble the outlet spigot to the ducting and fix the unit to a solid non-reverberant surface using two No. 8 woodscrews through the mounting bracket, drilling and plugging the fixing area if necessary.

d) Fit the other end of the flexible ducting to the spigot on the black half of the case.

e) Test/run the unit.

**Maintenance  
(General notes for the 'House Holder' and/or  
Maintenance Engineer).**

**General**

Dust, fluff etc. if allowed, will build up on the motor and / or impellers, shortening the life of the unit and, in severe cases, lead to overheating of the motors. It is therefore strongly recommended that all units are fitted with inlet filters to prevent contamination of motor/fan assembly. The unit should also be inspected and cleaned at least once every six months.

**Isolation**

**WHEN CARRYING OUT ANY WORK ON THE UNIT IT IS ESSENTIAL TO ISOLATE IT FROM THE MAINS SUPPLY.**

**Procedure**

At all times take care not to damage, distort or disturb the balance of the impellers.

Separate the two halves of the unit by undoing the screws on the black half of the unit and disengage the two off location tags. Remove the electronic module.

Spring aside the two clips and remove the fan module. Visually inspect all parts, replace any damaged items.

Using a soft brush or dry cloth remove any dust and dirt from the fan mobile. Stubborn dirt may be removed by careful use of a soft scraper.

Re-fit fan and electronic control module. Ensure that the control module is fully engaged with socket. Before refitting cover switch on the unit momentarily at the isolator and check that the green running light is illuminated before replacing black cover and securing with the screws.

*Note:*

*For maintenance purposes, only the black cover must be removed.*

**Run - on timer.**

**Run - on timer adjustment**

Once unit has been installed and connected to mains supply, switch supply 'on' making sure that the timer trigger switch is in 'off' position. Timer will now run on for half an hour. Once it has timed out adjust timer as shown on diagram to required run on time from 5 minutes to 30 minutes.

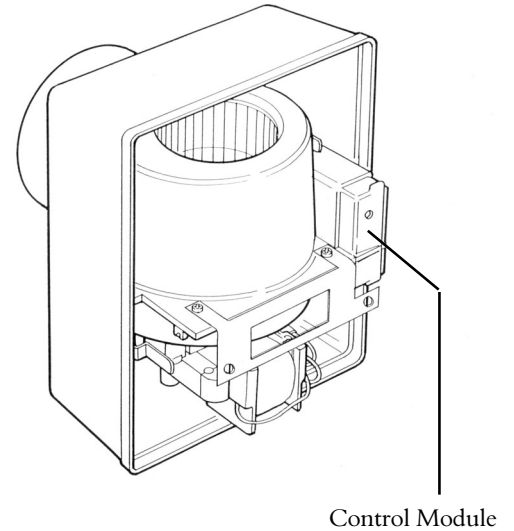


Fig 6. Internal view of unit.

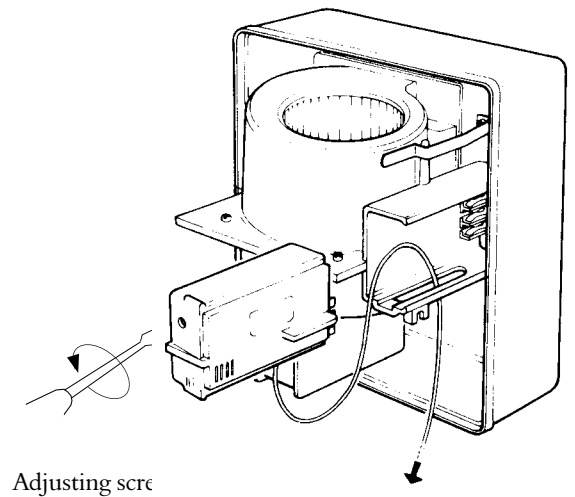
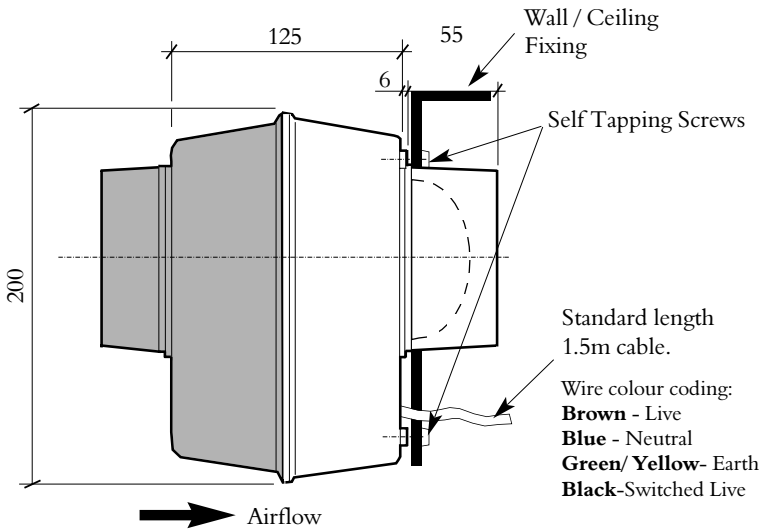


Fig 7. Internal view of unit showing adjusting screw

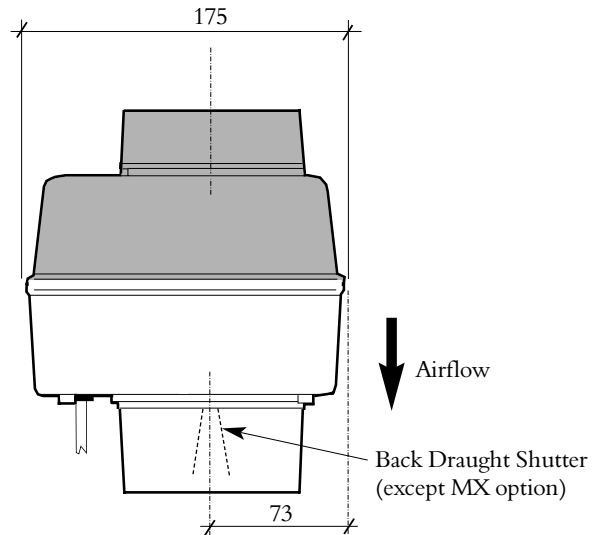
<b>Spares</b>	
<b>Item</b>	<b>Reference</b>
On/Off module (M)	771355
Continuous Run Module (X)	771356
Run on Timer Module (S)	770979
Blower/Motor assembly	771363
Mounting Bracket	011349

# Dimensions

## Side View (both)

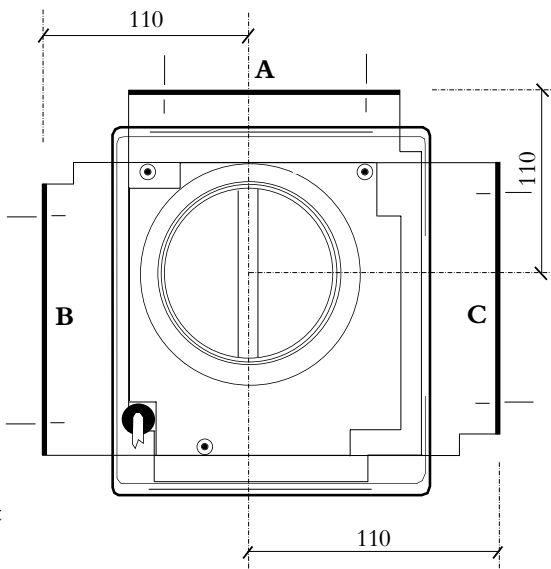


## End View (above and below)

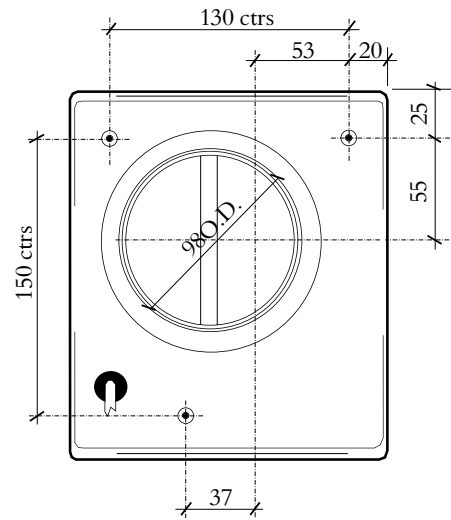


## Alternative Universal Bracket positions (rear)

- A. =Roof mounted
- B. =Wall mounting left
- C. =Wall mounting right



## Face (rear)



## Coding

- GENIE/TOPS - M** In-Line Duct Unit.
- GENIE/TOPS - MS** With integral run-on timer, operated by remote switch\* only.
- GENIE/TOPS - MX** Two speed fan, continuous low duty at imperceptible noise levels plus boost by remote switch\* NB. No backdraught shutter

\* Remote switch by others.

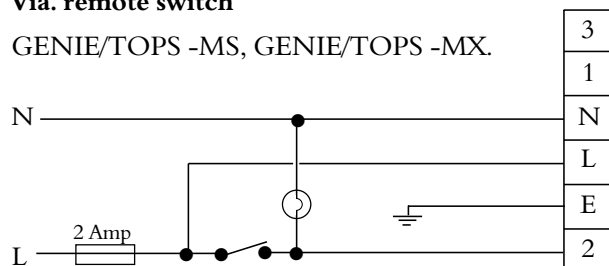
## Power Consumption:

Unit input power (watts)	23.0
Full load current (amps)	0.170
Starting Current (amps)	0.215

## Wiring Diagrams

### Via. remote switch

GENIE/TOPS -MS, GENIE/TOPS -MX.



GENIE/TOPS -M.

