

Silhouette timer fan 100mm

Installation and Wiring Instructions

VG454056BVA



PLEASE READ INSTRUCTIONS IN CONJUNCTION WITH ILLUSTRATIONS. PLEASE SAVE THESE INSTRUCTIONS.



Installation and Wiring Instructions for the Silhouette Extractor Fan.



IMPORTANT: READ THESE INSTRUCTIONS BEFORE COMMENCING THE INSTALLATION

DO NOT install this product in areas where the following may be present or occur:

- Excessive oil or a grease laden atmosphere.
- Corrosive or flammable gases, liquids or vapours.
- Ambient temperatures higher than 40°C or less than –5°C.
- Possible obstructions which would hinder the access or removal of the Fan.

SAFETY AND GUIDANCE NOTES

- A. All wiring to be in accordance with the current I.E.E. Regulations, or the appropriate standards of your country and **MUST** be installed by a suitably qualified person.
- B. The Fan should be provided with a local isolator switch capable of disconnecting all poles, having a contact separation of at least 3mm.
- C. Ensure that the mains supply (Voltage, Frequency, and Phase) complies with the rating label.
- D. The Fan should only be used in conjunction with the appropriate Vent-Axia products.
- E. The fan should only be used in conjunction with fixed wiring.
- F. When the Fan is used to remove air from a room containing a fuel-burning appliance, ensure that the air replacement is adequate for both the fan and the fuel-burning appliance.
- G. The Fan should not be used where it is liable to be subject to direct water spray for prolonged periods of time.
- H. Where ducted Fans are used to handle moisture-laden air, a condensation trap should be fitted. Horizontal ducts should be arranged to slope slightly downwards away from the Fan.
- I. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- J. Children should be supervised to ensure that they do not play with the appliance.
- K. Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under over voltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

DESCRIPTION

The Silhouette axial extractor fan of 100 mm is suitable for domestic bathrooms and W.C.s.

A. INSTALLATION

IMPORTANT: The fan must only be used in conjunction with fixed wiring.

MOUNTING ON PANELS/CEILING

1. For panel or ceiling mounting, the fan must be installed in a closed duct protected by an exterior air grille that meets your country's standard requirements to prevent access to the fan impeller.
2. Cut a 105 mm diameter hole for this 100 mm fan.
3. Loosen the screw at the bottom of the grille and remove the front grille. Mark the centre of the screws through the holes in the fan's back plate. Drill, insert the plugs, and screw in place.
4. After installation, ensure that the impeller spins freely and that the shutters can open.
5. Replace the grille and tighten the retaining screw.

WALL MOUNTING

1. For wall mounting, cut a 115 mm diameter hole for 100 mm fans through the wall and insert the wall sleeve. Tilt the sleeve slightly downward, away from the fan. Cut to size and place cement on both ends to ensure they are flush with the wall faces.
2. Loosen the screw at the bottom of the grille and remove the front grille. Mark the centre of the screws through the holes in the fan's back plate. Drill, insert the plugs, and screw in place. Secure the external grille in place with the slats facing downward. (Note: The grille must meet your country's standard requirements to prevent access to the fan impeller. The wall kit used in this installation must provide a minimum duct length of 100 mm from the back plate of the fan to the inside of the external grille).
3. After installation, ensure that the impeller spins freely and that the shutters can open.
4. Replace the grille and tighten the retaining screw.

B. WIRING

WARNING: THE FAN AND AUXILIARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING INSTALLATION OR MAINTENANCE.

IMPORTANT

- The fan must only be used in conjunction with fixed wiring.
 - The cross-sectional area of the power cable used should be in the range of 1 to 1.5 mm².
 - The cable entry can only be made from the back of the fan.
 - The extractor fan is suitable for connection to a 220-240V 50Hz power source.
 - The fan is a Class II double-insulated product and **MUST NOT** be earthed.
1. Verify that all connections have been made correctly and ensure that all connections at the terminals and cable clamps are securely fastened.
 2. Ensure that the impeller spins and is free from obstructions.

C. SETUP

WARNING: THE FAN AND AUXILIARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING INSTALLATION OR MAINTENANCE.

SILHOUETTE 100T

Single speed with overrun timer. The fan can be connected to a lighting circuit switch. Fig. 2. or wired for basic on/off operation as in Fig. 1.

When turned on, the fan will run at full speed and continue to operate for a preset time after the switch is turned off.

TIMER ADJUSTMENT

BEFORE ADJUSTING THE TIMER, TURN OFF THE POWER SUPPLY. THE TIMER SHOULD ONLY BE ADJUSTED BEFORE OR DURING INSTALLATION.

1. Remove the fan grille. The controller is factory set to approximately 15 minutes. The overrun time period can be adjusted from 5 to 25 minutes by modifying the adjuster on the control plate.
2. To **DECREASE** the running time, use a small screwdriver to turn the adjuster Fig. 3. **COUNTERCLOCKWISE**.
3. To **INCREASE** the running time, use a small screwdriver to turn the adjuster Fig. 3. **CLOCKWISE**.

4. Replace the fan grille.

NOTE! DO NOT TOUCH THE HUMIDITY SENSOR. DO NOT INSTALL THE FAN RIGHT NEXT TO A WINDOW.

D. SERVICE AND MAINTENANCE

WARNING: THE FAN AND AUXILIARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING MAINTENANCE.

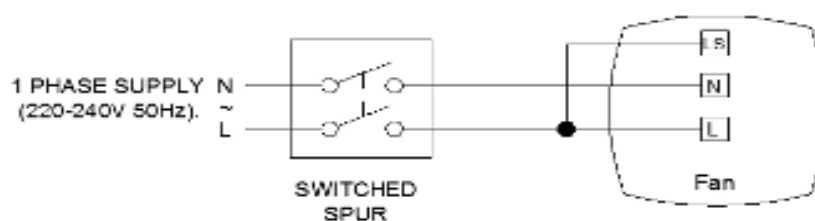
1. At appropriate intervals for the installation, the fan should be inspected and cleaned to ensure there is no buildup of dirt or other deposits.
2. Clean the inlets and the front face with a damp cloth until they are clean.

The fan has lifetime sealed bearings that do not require lubrication.

Vent-Axia®



Fig.2



Timer model wired as a Basic version (link between L & LS enables fan to switch on or off when power is put onto the fan).

Fig.3

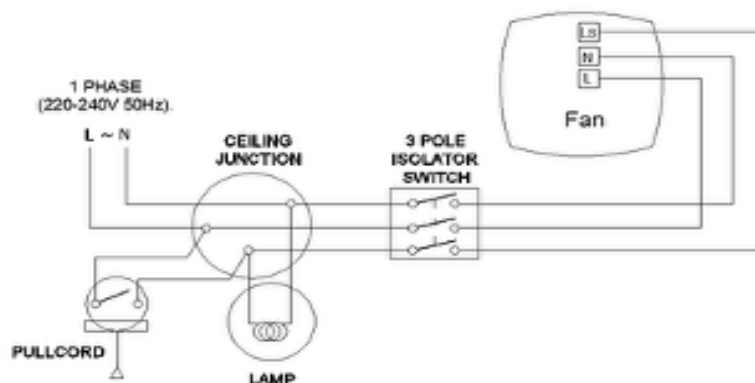
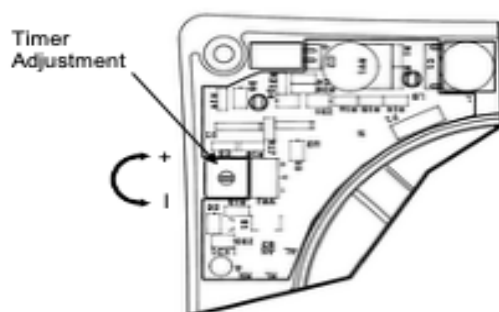


Fig.4.



To **REDUCE** the operating time, use a small screwdriver to turn the adjuster **ANTI-CLOCKWISE**.
To **INCREASE** the operating time, use a small screwdriver to turn the adjuster **CLOCKWISE**.