

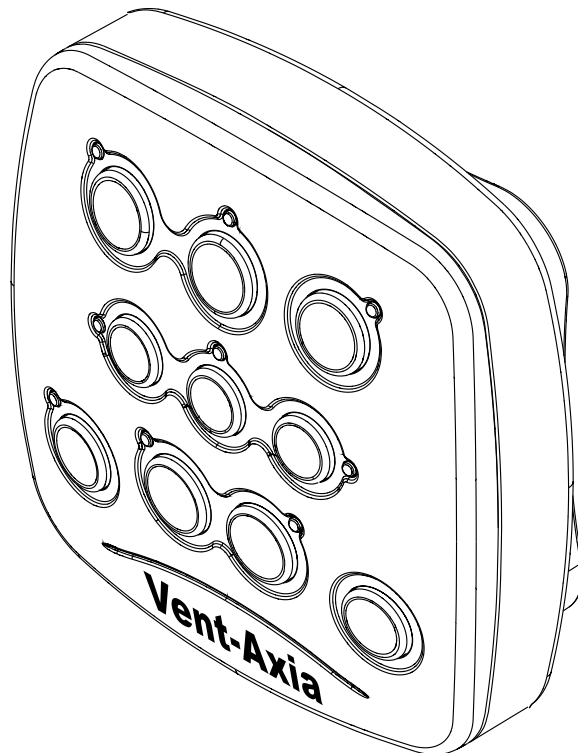
Vent-Axia®

LoWatt

T-Series

3 SPEED WIRED CONTROLLER

Fitting and Wiring Instructions



**Stock Ref. No.
455873**



LOW VOLTAGE

**READ INSTRUCTIONS IN CONJUNCTION WITH ILLUSTRATIONS
PLEASE LEAVE THESE INSTRUCTIONS WITH END USER**

Installation and Wiring Instructions for T-Series LoWatt 3 Speed Wired Controller

IMPORTANT:

READ THESE INSTRUCTIONS BEFORE COMMENCING THE INSTALLATION

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

- Ambient temperatures higher than 40°C
- Relative humidity above 95%

SAFETY AND GUIDANCE NOTES

- A. All wiring must be in accordance with current I.E.E. Regulations, or the appropriate standards in your country.
- B. The Speed Controller should only be used in conjunction with the appropriate Vent-Axia product.

INSTALLING THE WIRED CONTROLLER

1. Insert a small flat bladed screwdriver into the small slot at the base of the controller, push the release catch in and gently lever upwards to remove the front cover of the controller by pulling the cover away from the back box (Fig. 1/1a).

Fig. 1

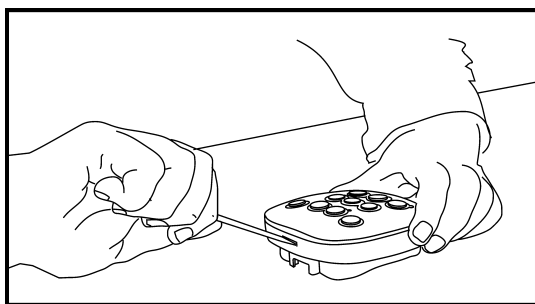
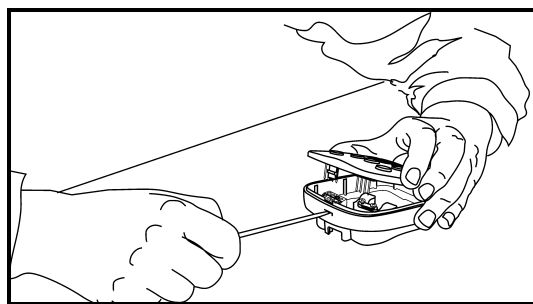
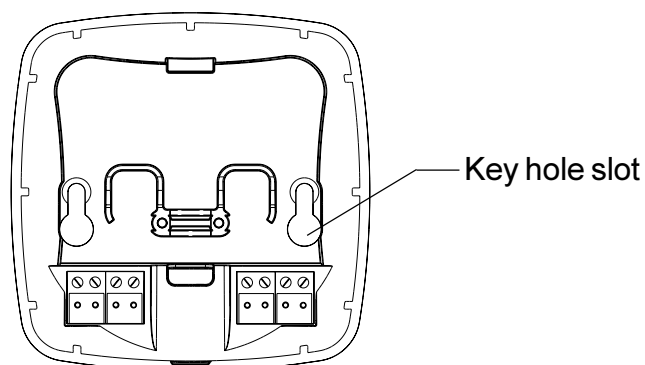


Fig. 1a



2. Mount the back box in the position required using the 2 key hole slots, Fig.2. The countersinks at the top of the slot provides permanent fixing.

Fig. 2



WIRING

Warning: The fan and ancillary control equipment MUST be isolated from the power supply during installation or maintenance

1. Refer to Fig.3 for single fan wiring details or Fig.4 for multiple fan wiring details. (2 to 4 fans).
2. Each fan is supplied with a 10m length of low voltage controller cable and a plug to connect cable to the fan connection socket.

Fig.3 SINGLE FAN WIRING DIAGRAM

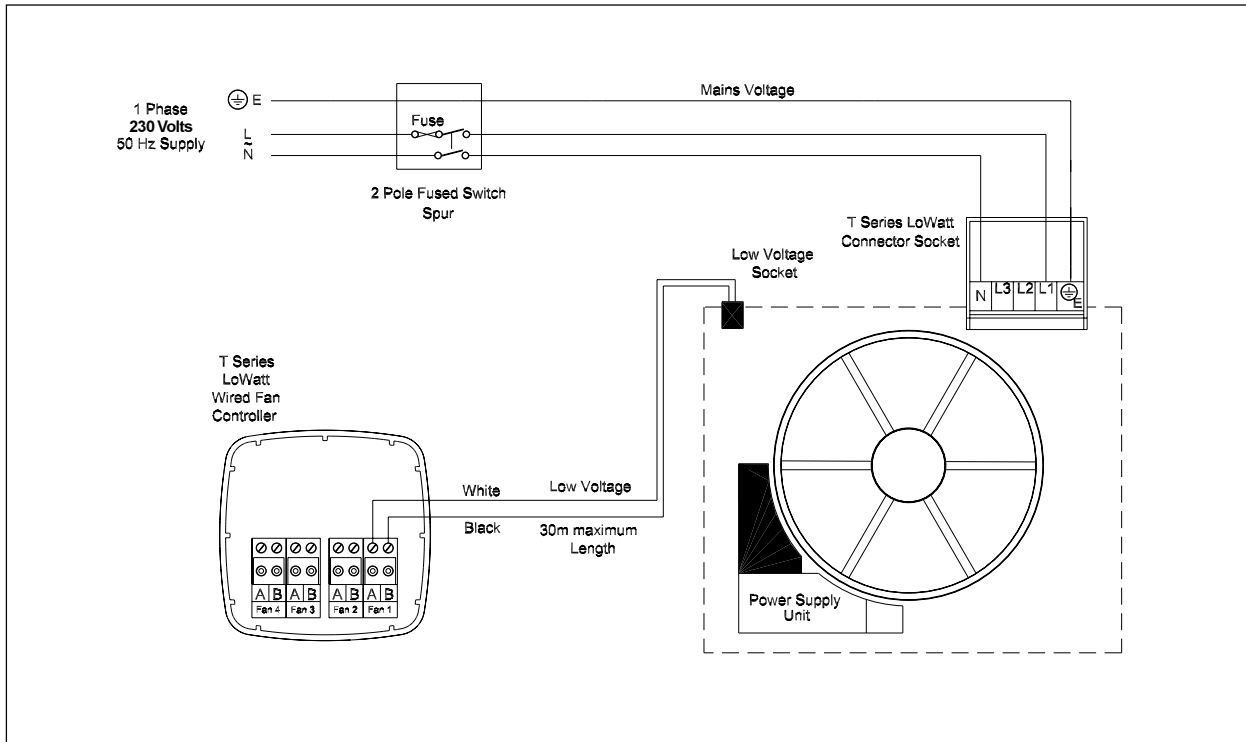
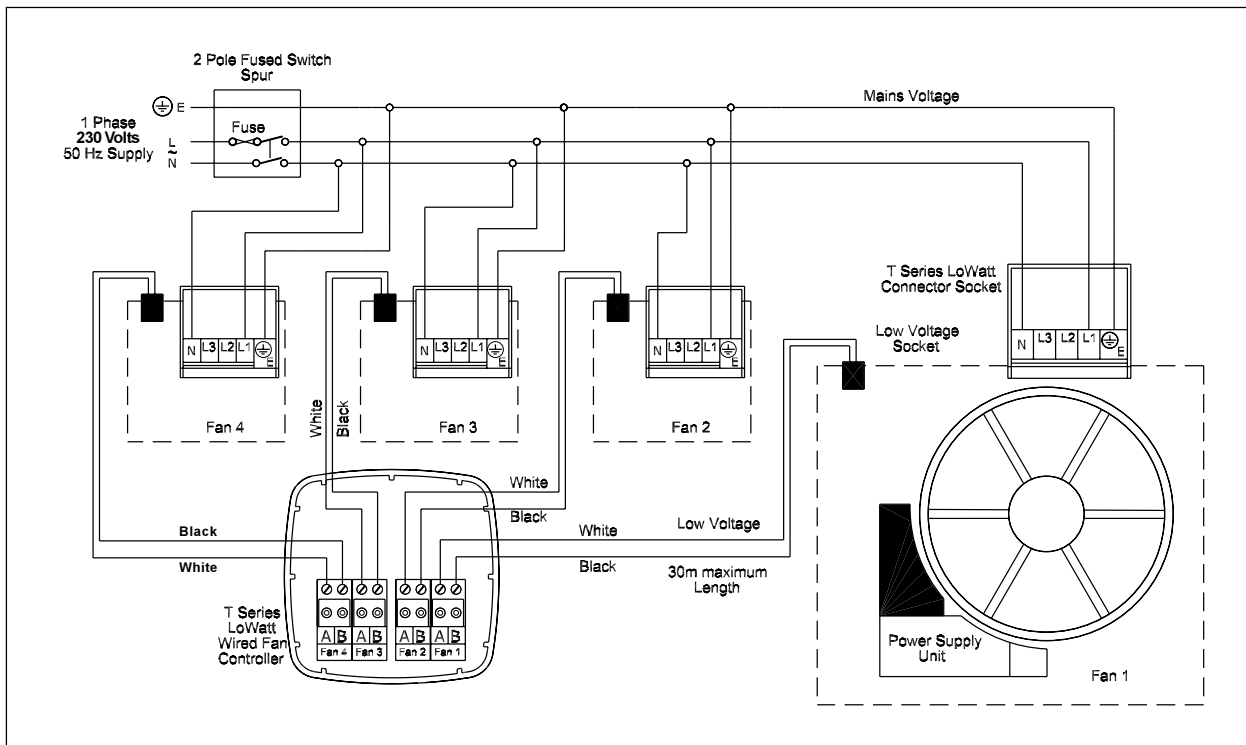


Fig.4 MULTI FAN WIRING DIAGRAM



3. Cut the controller cable to the length required or alternatively extend the cable using the appropriate cable connector and a suitable equivalent diameter cable, up to a maximum length of 30m.
4. Ensure that all cable clamps and terminal screws are securely fastened.
5. Replace the Speed Controller front cover. Locate the two clips on the top of the front cover into the two recesses in the back box and ensure the 8 pins locate in the pin connection sockets and push the bottom of the Controller cover until the locking clip at the bottom locks into position.

FUNCTION SETTING





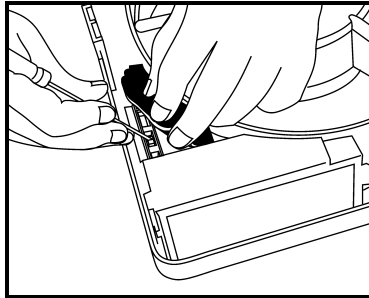
1. Install the fan in accordance with the fan fitting and wiring instructions
2. Before replacing the fan housing ensure that the three position SET switch on the receiver unit (See Fig.5) is in position  +  for all controller functions,  for intake only or  for extract only.

Fig.5









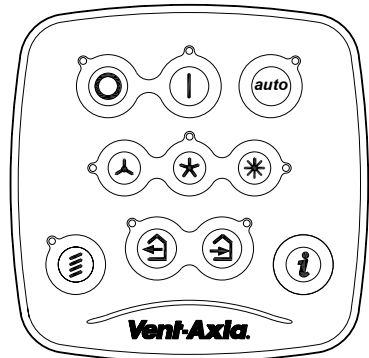
















3. Complete the fan assembly and fit the mains connector socket and the speed controller cable into the fan.
4. For controlling 2 to 4 fans from 1 controller repeat steps 2 & 3 for each fan, if all the fans are set to  +  they will operate identically.  will always operate on extract only.  will always operate on intake only.
5. For single direction fans the  and  buttons on the controller will not function.





Fig.6



-  Fan Off  Fan On  Auto Mode
-  Speed 1  Speed 2  Speed 3
-  Shutter open (Fan Off)  Extract  Intake  Status

6. To make  or  inoperative, momentarily press the  +  to retain extract or press  +  to retain intake. To re-enable the locked out function repeat step 6 by pressing the buttons required.

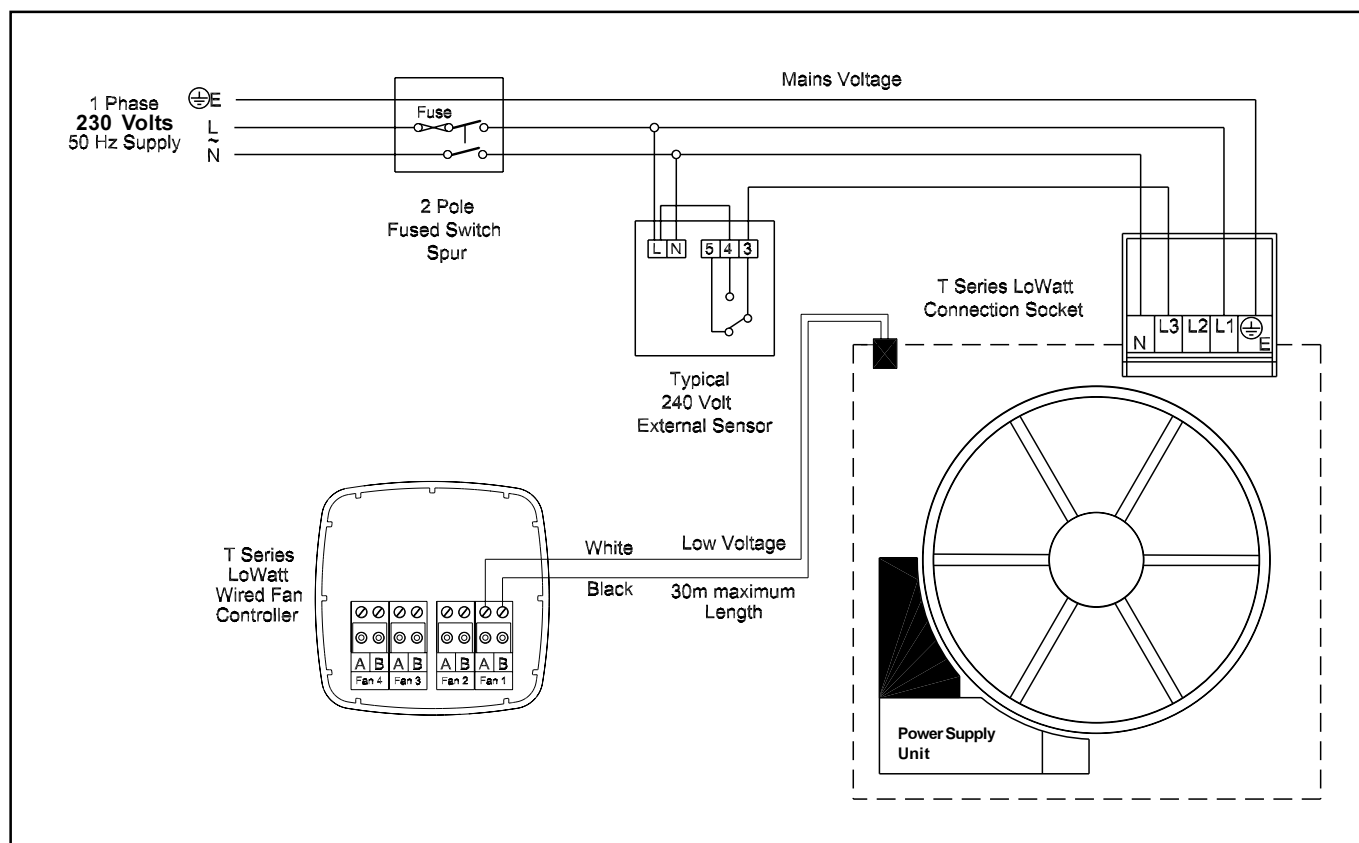
Shutter only/Fan Off

1. Press  button to switch the fan Off.
2. Press the  button for shutter only.
3. The L.E.Ds above the  &  buttons will illuminate for 5 seconds to confirm controller setting

 Status. Press . LEDs illuminate to indicate selected controller settings.

USING A SENSOR (e.g. THERMOSTAT) TO PROVIDE AUTO MODE auto

Fig.7 WIRING TO THE FAN



1. Wire the sensor as shown in Fig.7 to the fan.

Enable auto mode

1. To enable auto mode press auto. The L.E.D. to the right of the auto button will illuminate to confirm the instruction has been carried out - the auto function has now been enabled.

Disable auto mode

1. To disable auto mode press |. The L.E.D. will illuminate on the fan's current setting.

For further assistance in the operation or the programming of the 3 speed wired controller contact:

Vent-Axia **Technical Help Desk** or, alternatively,
via the Vent-Axia web site on www.vent-axia.com

