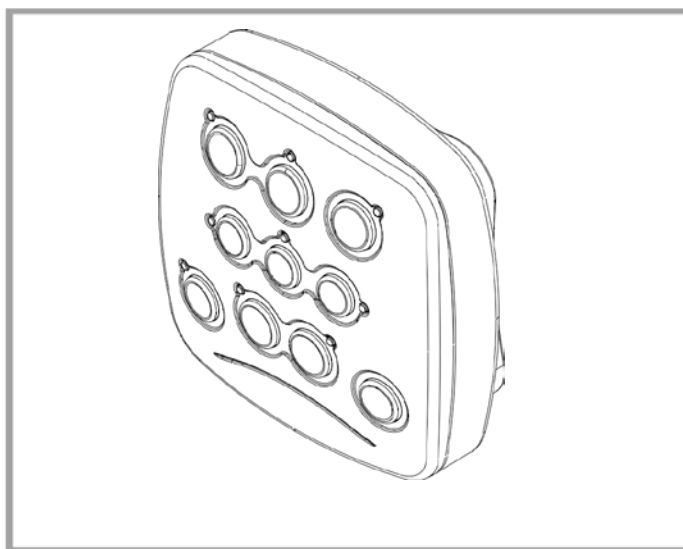


3 Speed Wired Controller Lo-Carbon T-Series

Fitting and Wiring Instructions



Stock Ref. N°

455873 – Wired Controller
Lo-Carbon T-Series

Vent-Axia®

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

CE
UK
CA

Installation and Wiring Instructions for T-Series Lo-Carbon 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

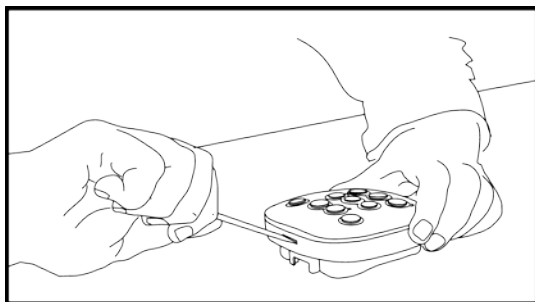
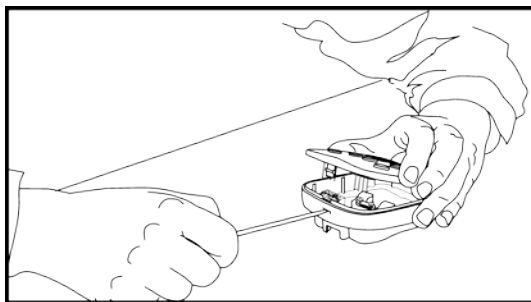
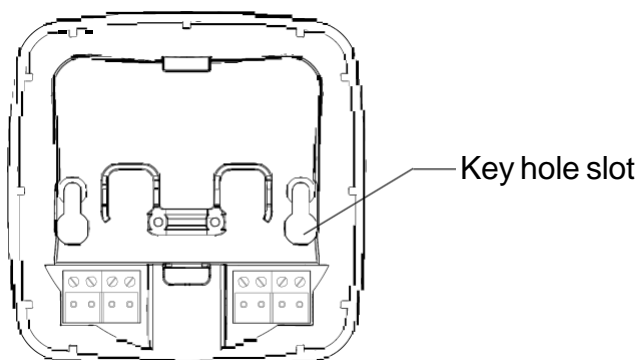


Fig. 1a



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.

Wires – Blue (with white strips) to terminal A
White (with blue stripes) to terminal B
Orange (with white strips) not used
White (with orange stripes) not used

Fig.3 SINGLE FAN WIRING DIAGRAM

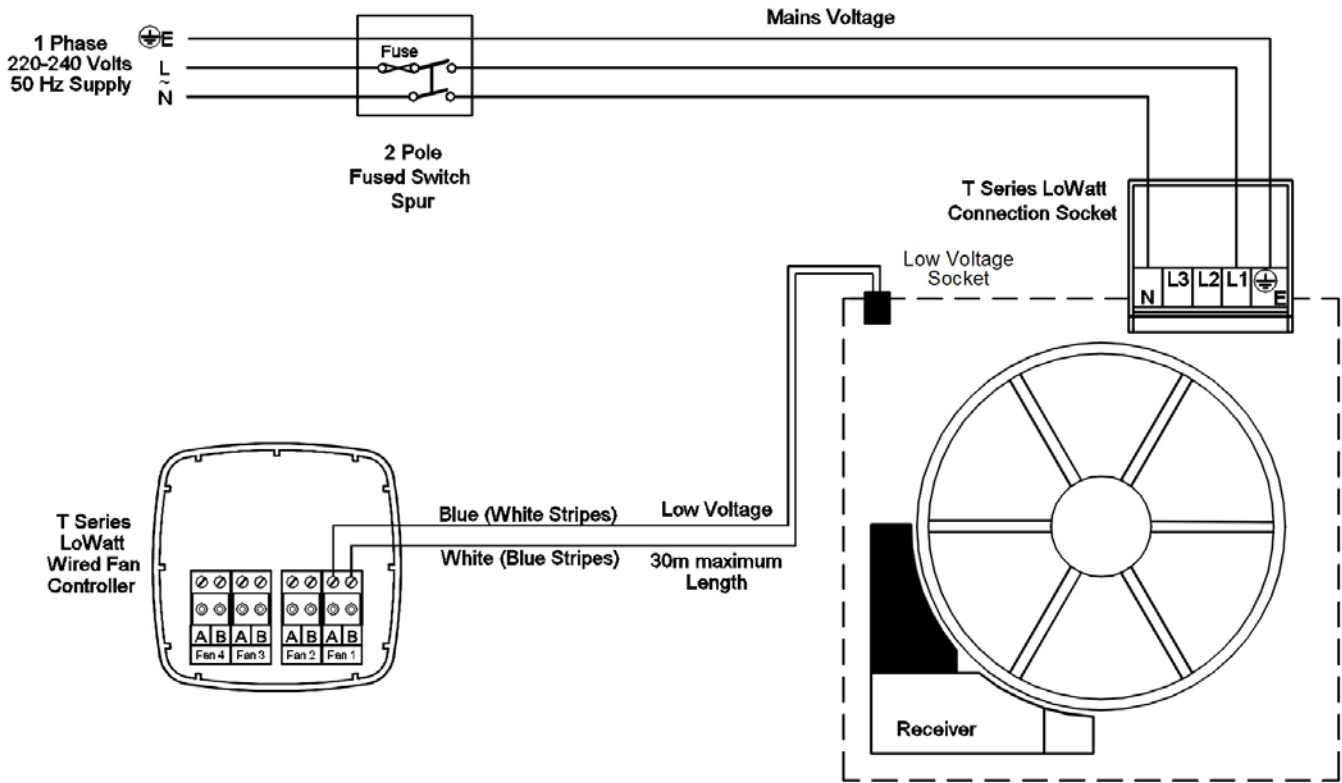
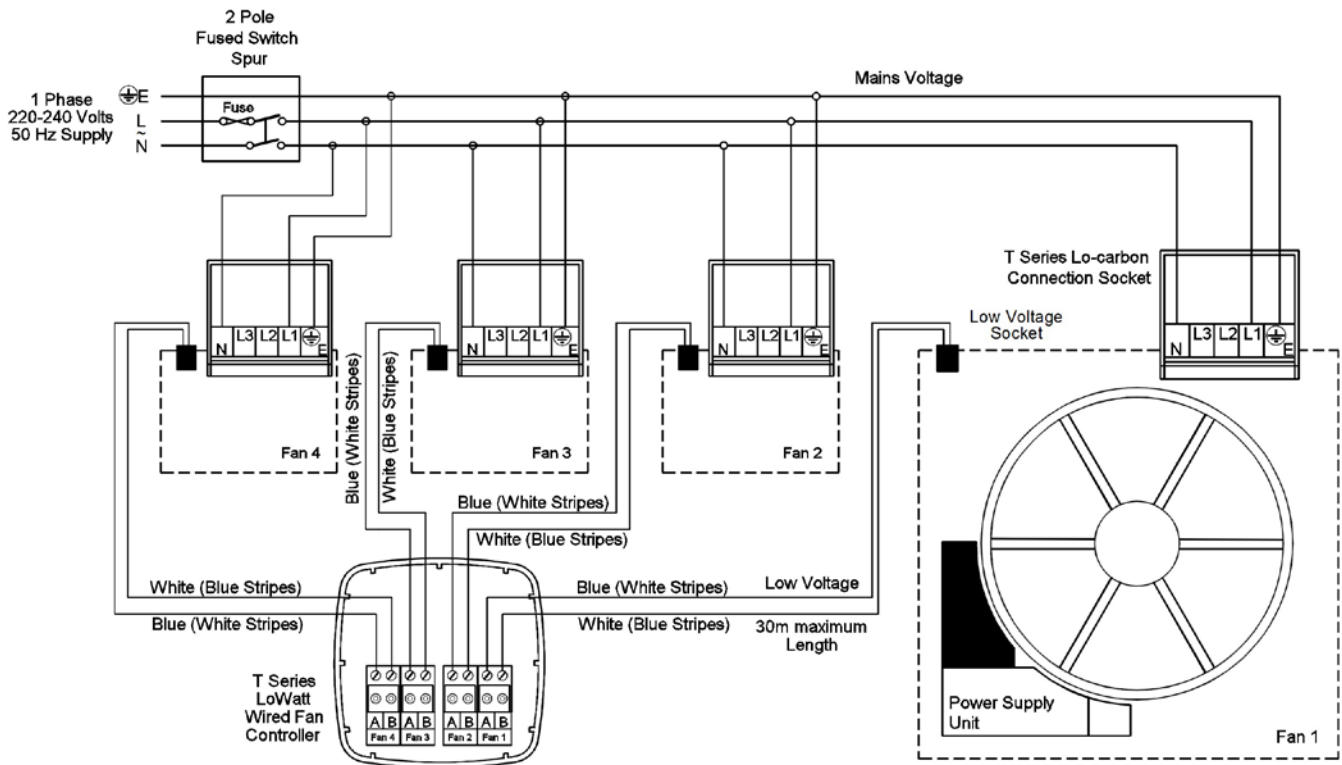


Fig.4 MULTI FAN WIRING DIAG



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





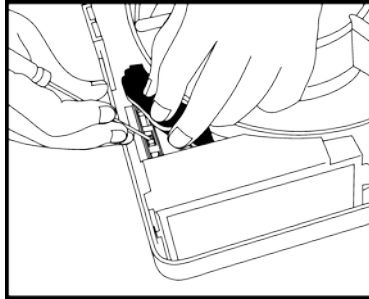
1. Install the fan in accordance with the fan fitting and wiring instructions
2. Before replacing the fan housing ensure that the three position SET switch on the receiver unit (See Fig 5) is in position  +  for all controller functions  for intake only or  for extract only

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.

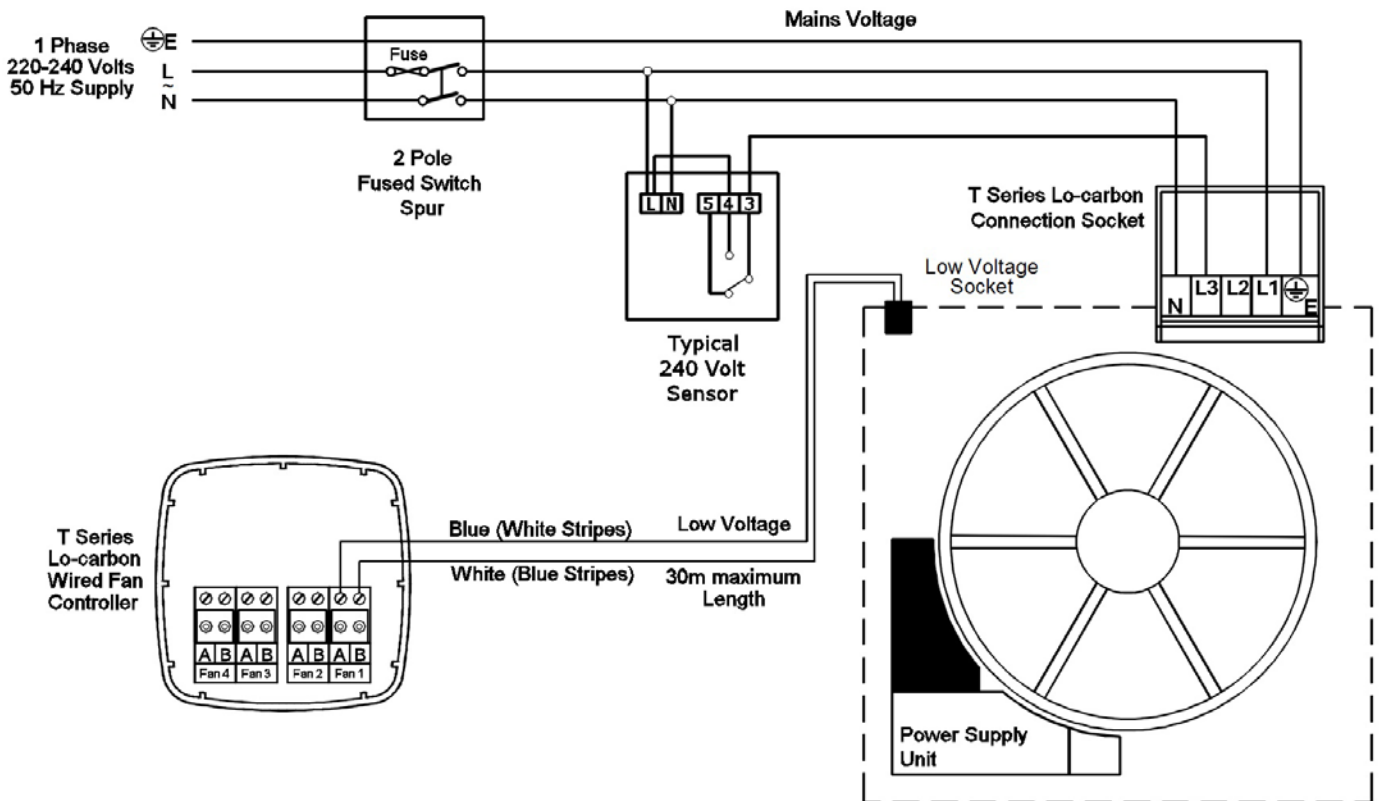
Shutter only/Fan Off

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

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  The L E D to the right of the  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**

The **Vent-Axia** Guarantee

Applicable only to products installed and used in the United Kingdom. For details of guarantee outside the United Kingdom contact your local supplier.

Vent-Axia guarantees its products for two years from date of purchase against faulty material or workmanship. In the event of any part being found to be defective, the product will be repaired, or at the Company's option replaced, without charge, provided that the product:-

- Has been installed and used in accordance with the instructions given with each unit.
- Has not been connected to an unsuitable electricity supply. (The correct electricity supply voltage is shown on the product rating label attached to the unit).
- Has not been subjected to misuse, neglect or damage.
- Has not been modified or repaired by any person not authorised by the company.

IF CLAIMING UNDER TERMS OF GUARANTEE

Please return the complete product, carriage paid to your original supplier or nearest Vent-Axia Centre, by post or personal visit. Please ensure that it is adequately packed and accompanied by a letter clearly marked "Guarantee Claim" stating the nature of the fault and providing evidence of date and source of purchase.

The guarantee is offered to you as an extra benefit, and does not effect your legal rights

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