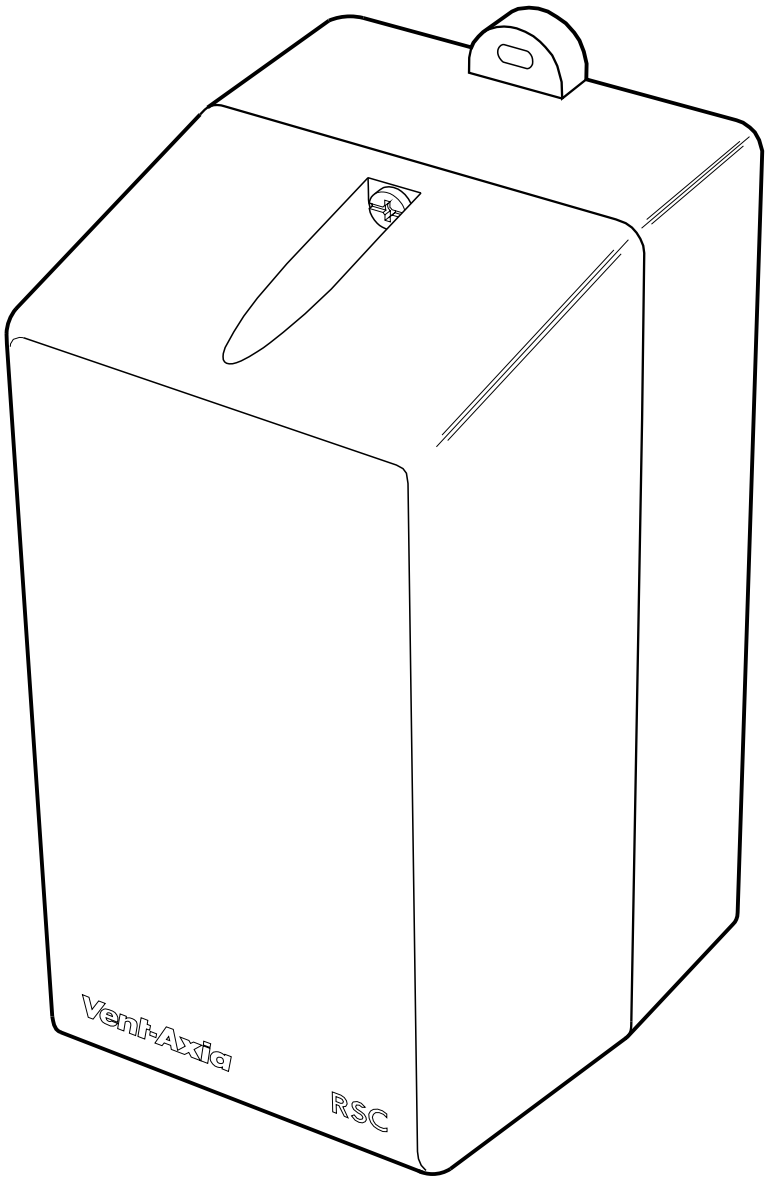
Vent-Axia®

REMOTE SETBACK CONTROLLER WITH BUILT IN TRANSFORMER

Installation and Wiring Instructions



Ref No. 10314230A

Model:- RSC

WITH BUILT IN TRANSFORMER

Maximum load: 220-240V 50Hz ~ 9A and 380-415V 50H 3 ~ 9A

<u>IMPORTANT</u> - READ THESE INSTRUCTIONS FULLY BEFORE COMMENCING INSTALLATION.

1. Ensure that the mains supply voltage, frequency, number of phases and power rating comply with the details on the rating label. Check that the controller can cope with the load (including starting current).

2. All wiring must be in accordance with current I.E.E. wiring regulations (BS7671), or appropriate standards in your country. The equipment should be provided with a local all pole isolator switch having a contact separation of at least 3mm. We recommend that the wiring to the equipment be made in conduit for added protection.

3. Ensure safety regulations and practices are adhered to when installing this equipment.

4. The controller must not be used where it is liable to be subjected to water spray from hoses, etc., or where the ambient air temperatures may exceed 40^0C.

5. When the fan motor thermal protector terminals (TK or TP) are brought out externally, they MUST be connected to the relevant controller terminals.

DESCRIPTION

The RSC is used to change the power supply to fans (e.g. switching between the mains supply and the speed controller). The selection of power supply can be achieved by any sensors or timers with voltage free contacts. Connections between the RSC and the sensor are Extra Low Voltage.

MOUNTING

1. If the controller is mounted on metal or other conductive surface; that must be earthed.

2. Securely mount the controller to the surface using appropriate fasteners. Route the supply and outlet cables through `knock-out' holes in casing.

GENERAL WIRING

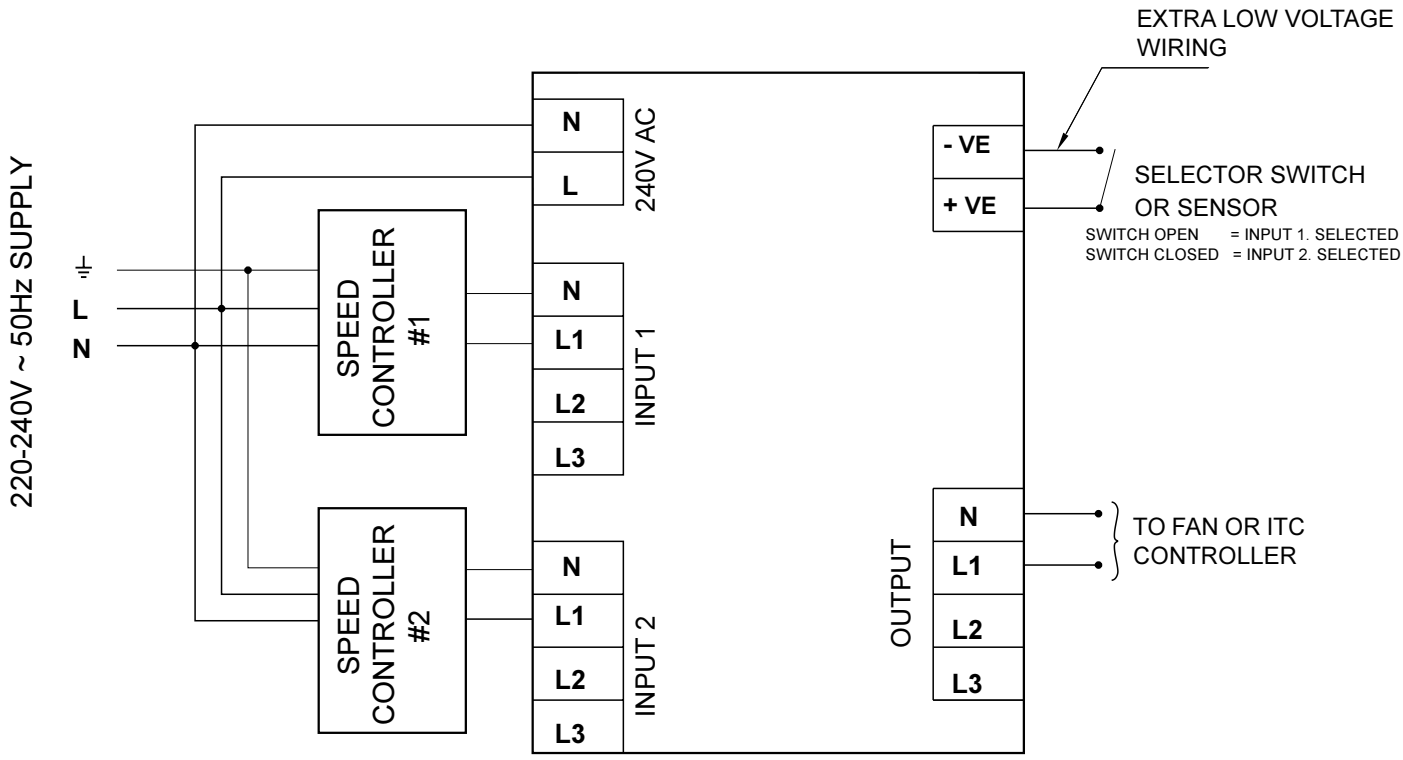
<u>WARNING</u> - ISOLATE MAINS SUPPLY BEFORE MAKING CONNECTIONS.

1. All electrical connections should be made by a properly qualified electrician.

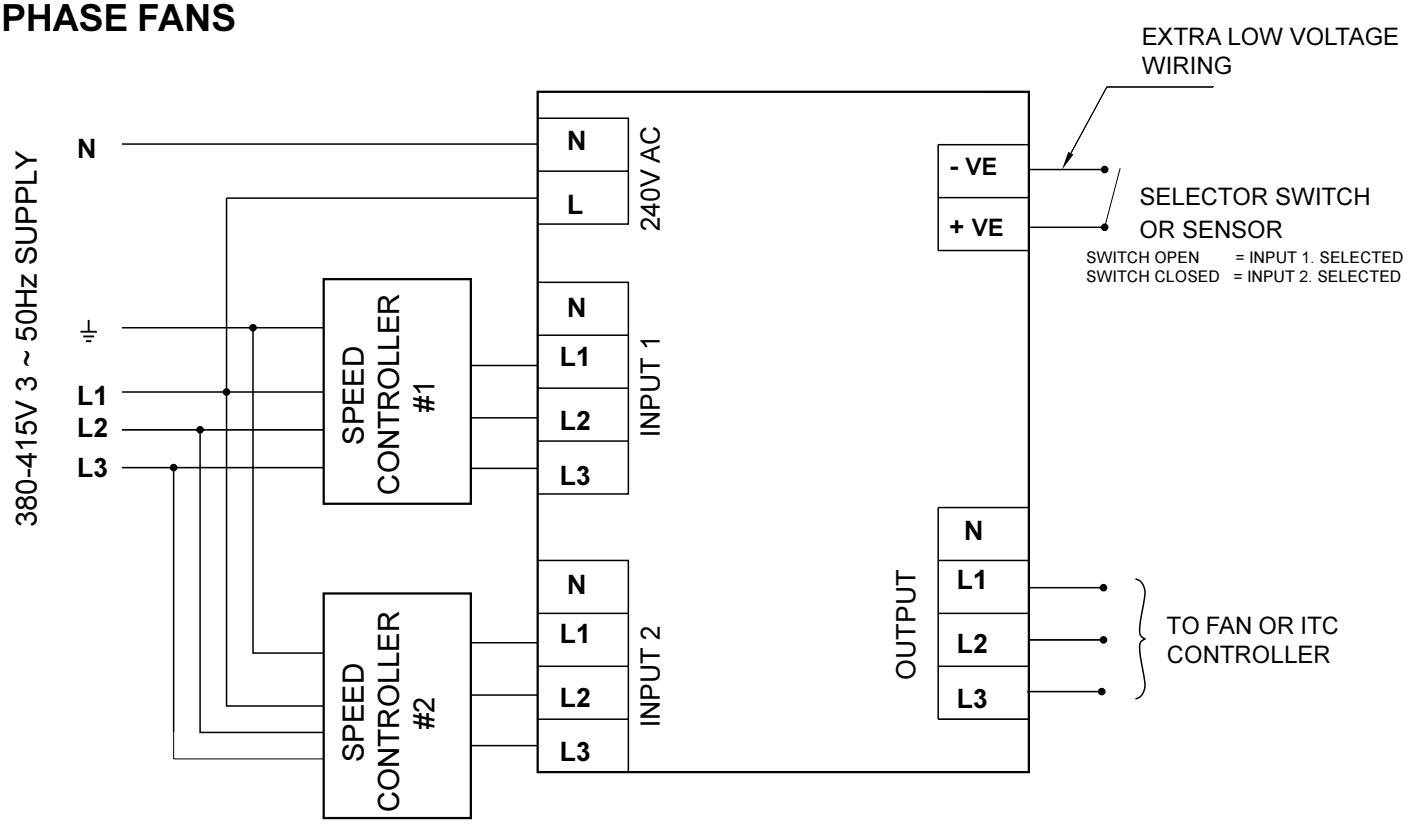
2. Wire the supply and outlet cables as shown in the wiring diagrams.

3. After making wiring connections, replace the lid onto the base and ensure the cable glands; gasket; etc. are securely located.

SINGLE PHASE FANS



3 PHASE FANS



IF THE CONTACTS OF THE SELECTOR SWITCH (OR SENSOR) ARE OPENED THE SUPPLY INTO **INPUT 1** WILL BE CONNECTED TO THE **OUTPUT** AND VICE-VERSA.

NOTE: THE SPEED CONTROLLERS MUST BE PRESET AT THE REQUIRED SPEED AND POWERED UP BEFORE THE RSC SWITCH OVER, OTHERWISE A FAULT CONDITION WILL RESULT.
EARTHING OF THE FAN MUST BE PROVIDED SEPARATELY IF REQUIRED.