

Installation Instructions for connecting the US22B Speed Controller to the ZD Speed Controllable Motors



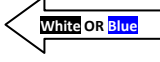

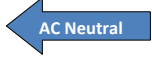



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This Speed Controller is designed for operation on a single phase mains supply of **230-240VAC 50 Hz**. Do not connect it to any other supply.

Connections

- Two small Cream coloured wires are tacho-generator outputs from the motor and are connected to  and  (Terminal Numbers **3 & 4**).
- The **WHITE** *OR .. (Note Or)* the **BLUE** wire is connected to  (Terminal No. **2**) on the US22B. Connect the **WHITE** for Clockwise rotation of the motor *OR* Connect **BLUE** for Counter Clockwise rotation of the motor.
Important Note: Do not connect the **WHITE** and **BLUE** together under any circumstances. Insulate the unconnected wire so that it ***cannot*** make contact with anything else.
- The **RED** wire from the motor is connected to  (Terminal No. **1**) on the US22B
- Connect 240VAC 50 Hz **NEUTRAL** to  (Terminal No. **5**)
- Connect 240VAC 50 Hz **ACTIVE** to  (Terminal No. **6**)
- For complete safety, an **EARTH** connection must be made to the motor body or on the mounting bolts. The lack of an **EARTH** connection will not affect the operation of the motor, but like all mains connected, metal bodied machine parts, the **EARTH** connection is mandated for safety. Prewired options include the **EARTH** connections.

