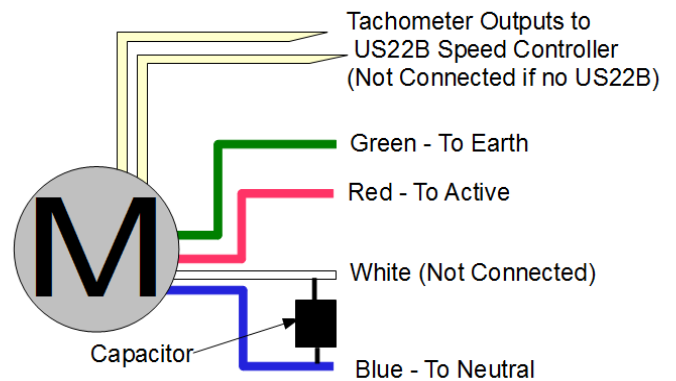


## Environmental Considerations

- The motor is rated for continuous use and the larger motors use a cooling fan to move air across the sealed motor body. Do not obstruct the cooling path in any way.
- Do not use this motor in wet areas without properly protecting the installation from contact with moisture. Observe the same precautions as with any electrical installation where water or other conductive fluids could cause or lead to a shock hazard.

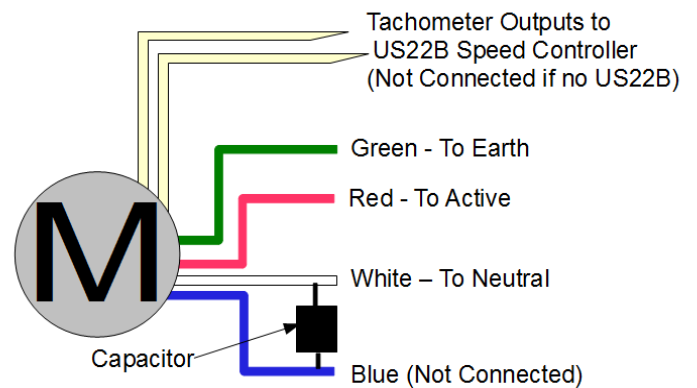


### Connection for CCW Motor Rotation

Note: The Gearhead ratios from 12.5 to 18 and 90 to 200 yield an opposite rotation on the output shaft.

## Electrical Connection

- This motor is designed for operation on the single phase Australian mains supply of **230-240VAC 50 Hz**. Do not connect it to any other supply.
- The **capacitor** is an essential part of the motor circuit and must be connected across the **WHITE** and **BLUE** wires. It **must not** be disconnected or left out of the circuit under any circumstances. Its replacement must be of the same value as the original. Unless otherwise requested, the motor is shipped with the capacitor already soldered in place.
- The **RED** wire is connected to the supply **ACTIVE**
- The **BLUE** wire is connected to the supply **NEUTRAL** for CCW rotation **OR .. (Note Or)**
- The **WHITE** wire is connected to the supply **NEUTRAL** for CW rotation
- **Important Note:** **Do not** connect the **WHITE** and **BLUE** together. Connect the supply **NEUTRAL** to **one** or the **other**. **Do not** connect **ACTIVE** to either **WHITE** or **BLUE** under any circumstances.
- For complete safety, an **EARTH** connection is provided to the motor body and should be included when connecting to the mains supply. 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.
- Two small Cream coloured wires are tachometer outputs for use with the **US22B** electronic speed controllers and unless implemented, are not used.



### Connection for CW Motor Rotation

Note: The Gearhead ratios from 12.5 to 18 and 90 to 200 yield an opposite rotation on the output shaft.

