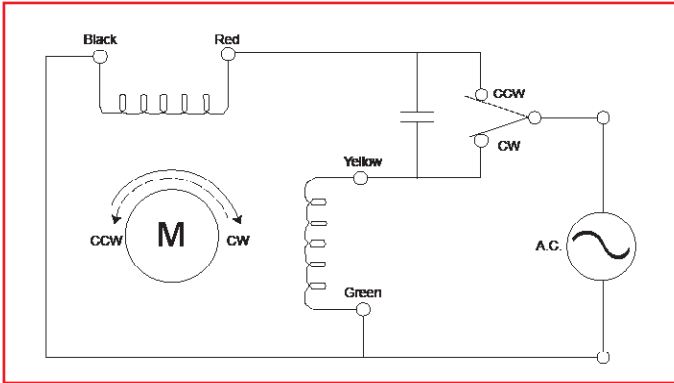




Nippon Pulse  
*Your Partner in Motion Control*

### Dual Direction Synchronous Motors

Motors that move in two directions are capacitor-based phase advancing motors. Because the rotor is moved by shifting the phase current by  $90^\circ$  it is essential for the circuit to have a capacitor. The proper wiring is below.



As viewed from the output shaft of the motor

### Synchronous Steppers Wiring Diagrams

#### Single Direction Synchronous Motor

Motors that are driven in just one direction, whether clockwise or counterclockwise, do not require any specific wiring to the AC power supply. A wiring diagram is below. The leadwires have no polarity.

