

US-52 apply for Adjustable speed AC induction motor.

6-250W without filter capacitor

Specifications

Product Name : Motor Speed Controller

Model : US-52

Material : PVC

Connector Type : 6 Pins

Rated Value : AC 220V, 50HZ

Power : 400W

Cable Length : 60cm

Green LED indicator, 6 terminals, on/ off switch for controlling, the knob switch for adjust the speed.Used for Machine Tools, Textile Machinery, Conveying Machine, Printing Mechanism,Food Machinery, Vending Machine, Packing Machinery, Gumming Machine, etc. It is not suitable for US users.

Method of use

1. Turn off the power, connect it according to the wiring diagram and make sure the connection is correct.
2. Fix the controller well and set the speed to the lowest "0", so as to avoid sudden large current and permanent damage when starting the power supply;
3. Then turn on the power and adjust the speed knob to the desired position. Please turn off the power when not needed;
4. The governor is connected to the motor. If the torque or speed is found to be inconsistent with the requirements, please adjust the fine-tuning potentiometer on the side of the product
5. To change the running direction of the motor, simply replace the jumper lines of "CCW" and "CW" on the back of the controller.
6. Select COM and CW short connection, then the motor will rotate clockwise.
7. Select COM and CCW short connection, then the motor do counterclockwise rotation.
(when changing direction, do not change the direction until the motor stops running completely.)

Wiring method

Black wire is the motor main wire, red and white are the capacitor auxiliary wires, and 2 blue wires are the speed control feedback wires, the green wire is the ground wire.



Mounting holes

Indicator light

Potentiometer



Dial

Switch

Mounting holes

Positive and negative connection method

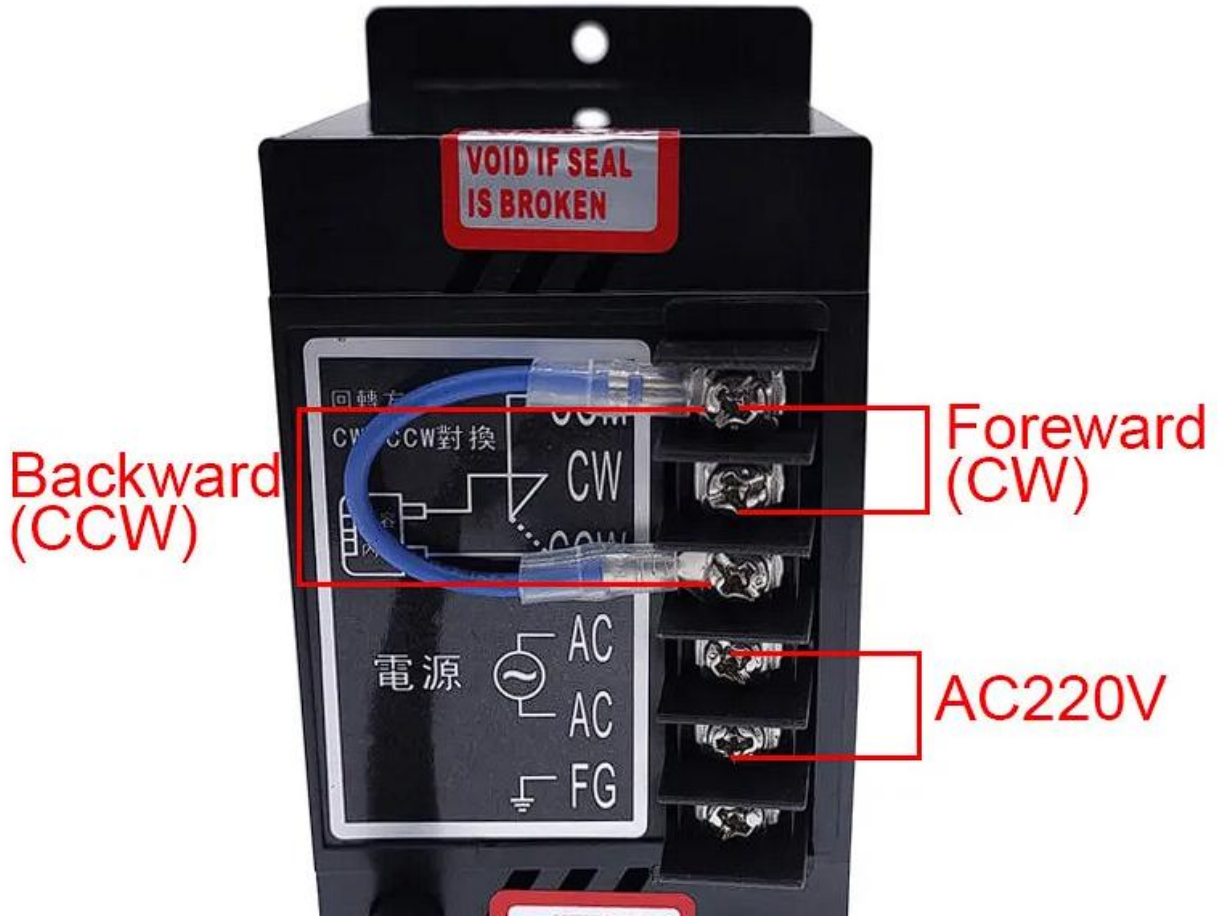
Swap CW behind governor with CCW, In order to achieve positive and negative effect

Connection port

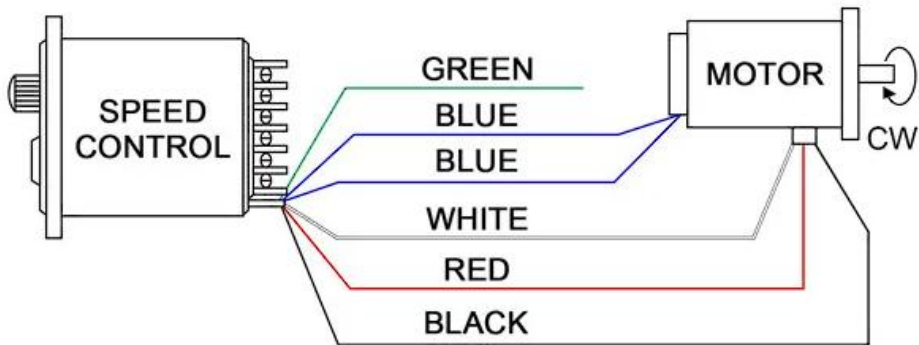
Forward to reverse line : COM and CW connected motor forward rotation

Reverse line : COM and CCW connected motor reverse





SPEED CONTROL UNIT



Interface pin Definition:

Ground wire	(Green)
Feedback line	(Blue)
Feedback line	(Blue)
Capacitor line	(white)
Capacitor line	(Red)
Main line	(Black)

