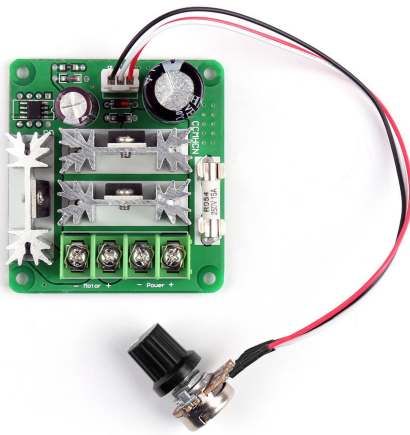




## 15A 6V-90V Pulse Width Modulated PWM DC Motor Speed Controller / Regulator



This DC Motor Speed Controller controls the speed of a DC motor using a Pulse-Width-Modulated (PWM) DC voltage with a duty cycle continuously adjustable from 0%-100% with a panel-mount potentiometer which is included with the module.

The duty cycle can also be controlled by a 0-5V analog control signal in place of the potentiometer.

The motor speed controller can provide a continuous current of 15A to your DC motor or other DC load. The module includes a user-replaceable board-mounted 15A fuse to protect the motor and controller from overcurrent conditions.

### Specifications:

- Input supply voltage: 6V - 90V DC
- Maximum output power: 1000W
- Maximum continuous output current: 15A
- Overload and short circuit protection current (fuse): 15A
- Static Current: 0.005 A ( Standby )
- PWM frequency: 15kHz
- Duty Cycle: 0%-100% continuously adjustable via the potentiometer, or with a 0-5V analog control signal
- Operating environment temperature: -20° c to 40° c
- Size (L\*W\*H): 64mm x 59mm x 27mm / 2.5" x 2.3" x 1.1"(approx)
- Net weight: 69g

### Operation:

1. Turn the potentiometer fully counter-clockwise.
2. Connect a DC power supply with a voltage between 6V and 90V at up to 15A to the + and - terminals marked Power.
3. Connect a DC motor to the + and - terminals marked Motor.
4. Control the motor speed with the potentiometer.

### NOTES:

1. **This controller cannot be used with BRUSHLESS motors.**
2. It is not reverse-polarity protected and will be damaged if connected to the supply voltage with the wrong polarity. Double check all connections before applying power and always turn off the power supply before making any wiring changes.