



ISL Products International

DC Motor PWM Speed Control

6~48VDC / 180W

MOT-PWM DRV

Online ID#:

Our PWM speed controller is simple and easy to use for any dc motor application. It's equipped with a potentiometer for motor speed adjustment from 0% to 100% as well as an ON/OFF switch. Plug-and-play operation!

Contact Us for alternative solutions!



Electrical Specifications

PWM Frequency:	20KHz	Max Power:	180 W
Input Voltage:	6 - 48 VDC (motor rated voltage)	Motor Speed Control:	0 - 100 % (of motor speed)

Additional Specifications

Output Voltage:	Linear under load	Speed Control Function:	Potentiometer
Start / Stop Function:	Switch / Button	Wire Connection:	Screw Terminals

Dimensions & Pin Out

Top view dimensions: 88 mm width, 13.90 mm height, 10.50 mm mounting hole offset, 2 mm mounting hole diameter.

Front view dimensions: 95.30 mm width, 60.25 mm height, 30.50 mm potentiometer height, 6.85 mm potentiometer base offset.

Side view dimensions: 55 mm width, 31 mm height, 2.63 mm terminal pitch.

units: mm

Connection:

Power" + " Motor" + "
Power" - " Motor" - "

Operating Instructions

1. Connect **Supply Power** (+ / -) to the appropriately designated terminals on the PWM controller.
2. Connect **Motor leads** (+ / -) to the appropriately designated terminals on the PWM controller.
- Reverse motor connection polarity for rotation in the opposite direction.
3. **Power ON** the power supply & **Toggle ON Switch**

4. **Adjust Potentiometer** to desired speed output.

* The PWM % shown is representative of the input voltage duty supplied to the motor. i.e. If the input voltage is 12VDC & motor speed is 200 rpm, at 50% PWM it will simulate 6VDC output to the motor, reducing motor speed to ~100 rpm.

