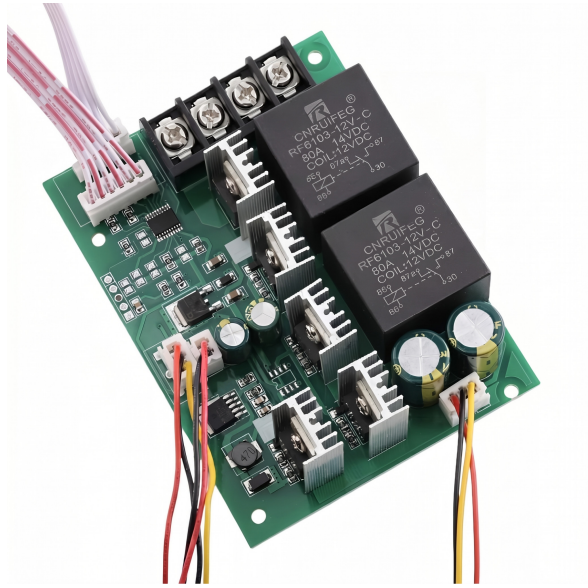


# DC motor speed controller 9-60V DC, 60A



## Product codes:

Reference: AM7132

EAN13: -

UPC: 85044090

## Product features:

Current: 60 A

Input voltage: 9-60 V DC

Waterproof grade: IP20

## Product attributes:

## Product description:

The PWM controller is designed for controlling the speed of a DC motor in the supply range of 9 to 60 V. The module uses continuous regulation in the range of 0 to 100% and is equipped with a digital display to display the set regulation level. The assembly includes a potentiometer with a control knob and a separate rocker switch. The design with power elements on the board and screw terminals is suitable for installation in equipment and technical applications with DC motors.

## Technical specifications

- Product type: PWM DC motor speed controller
  - Designed for: DC motor
  - Working voltage: 9-60V
  - Speed control range: 0-100%
  - Maximum current: 60 A
  - Rated current: 35 A at 12 V
  - Output: linear under load
  - Display: digital, three-digit
  - Connection: screw terminal block for motor and power supply
  - Terminal marking: 2x motor, negative power pole, positive power pole
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- Board size: 100 × 76 mm
- Mounting hole spacing in the direction of the longer side: 90 mm
- Mounting hole spacing in the direction of the shorter side: 65 mm
- Display size: 23 × 14 mm
- Potentiometer shaft diameter: 6.8 mm
- Model designation on the base: Speed controller 40A

### **Functions and features**

- Electronic PWM speed control of a DC motor
- Digital display of the regulation setpoint
- Control via external potentiometer with knob
- Separate switch in cable version
- Board equipped with power components with heatsinks
- Screw terminals for fixed connection of power supply and motor
- The product requires a connected load, it should not be tested without a load.

### **Ideal for**

- Speed control of DC motors in workshop and hobby applications
- Installation in devices with DC drive
- Motor control in technical projects where manual power adjustment is required

### **Package contents**

- PWM control module on a printed circuit board
- Potentiometer with connecting wire
- Control knob
- Digital display with connection cable
- Rocker switch with wires

### **Why choose this product?**

- Allows DC motor control over a wide operating voltage range
- Digital display simplifies repeated adjustment of the control level
- Terminal connections and separate controls make integration into a panel or cabinet easy
- The design is intended directly for powering and controlling a DC motor

### **Installation and operating instructions**

- Connect the motor to the two terminals marked for the motor and the power supply to the negative and positive terminals.
  - Observe the correct polarity of the power supply.
  - Operate the controller only with a connected load.
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- When installing, ensure sufficient ventilation and mechanical fastening of the module.
- For higher current loads, use appropriate wires and firmly tightened terminals.

#### **Safety notice**

- Incorrect wiring may cause damage to the controller, motor, or power supply.
- During operation, there is a risk of heating of power components and terminals.
- A short circuit at the output or power terminals can lead to damage to the device and wires.
- Installation and connection must be carried out with the power supply disconnected.
- The product is not intended for direct connection to the AC mains.
- When integrated into a device, it is necessary to ensure protection against touching live parts and against mechanical damage.

#### **Product gallery:**

