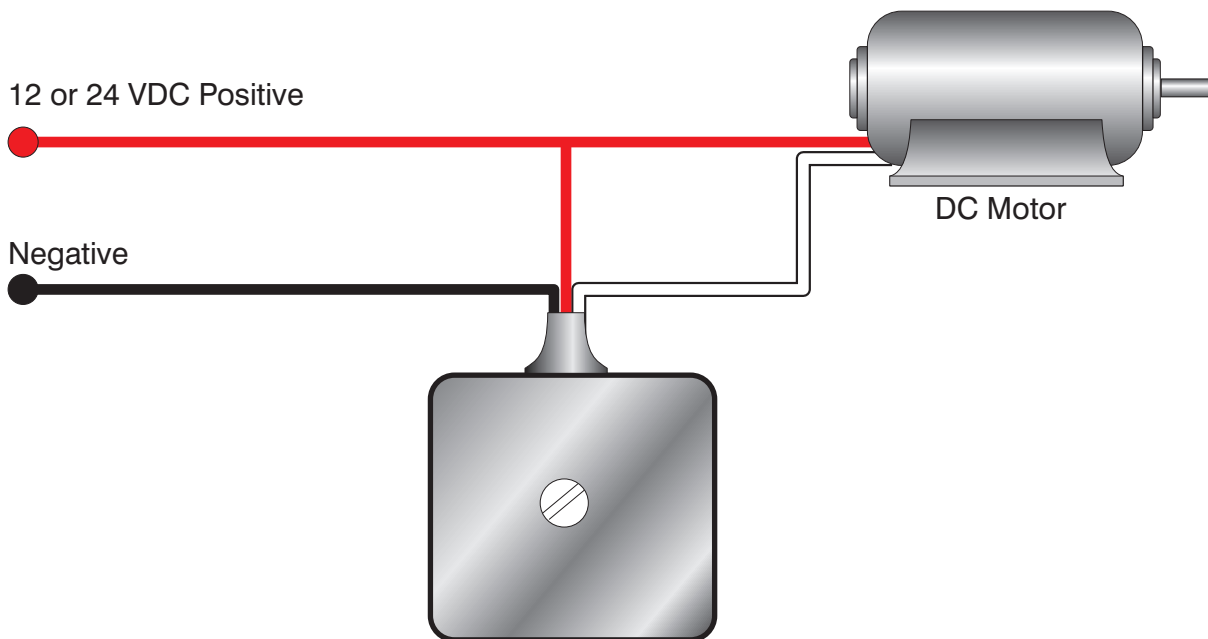


# 500DC 12/24VDC Controller

## *Installation Diagram*



### *12 or 24 Volt DC Motor Speed or Light Controller*

It's in an alloy box with a speed control fitted. Three fly leads included to be installed as indicated.  
10 Amp DC Maximum Rating

Delivery is normally 10 days (not ex-stock).

## *Specification Sheet - 500DC Speed Controller*

### **General**

The 500DC is an infinitely adjustable motor speed controller and light dimmer for small DC motors and lights operating from 12 or 24 volt DC systems. Typical automotive applications are blower motors for heater systems and dash light dimming on bus and trucks.

Currents of 10 Amps maximum can be controlled. The control is a Pulse Width Modulation (PWM) system that switches the load on and off very fast and varies the on to off time to provide a continuously variable end result. One of the main advantages of this system is the power saving that occurs. The 500DC will dim dash lights and use a fraction of the power that conventional rheostat systems consume and dissipate far less heat in the process.

The Module will also control low voltage lights or heating elements without flicker or power wastage.

### **Speed Control Module - Model 500DC-12 (12 volts) and 500DC-24 (24 volts)**

#### **Physical**

Size	51 x 51 x 30 mm
Case	Diecast Alloy
Mounting	4 lid screws or Potentiometer shaft nut.

#### **Electrical Connections**

DC Input	12 or 24 volts
Current	10.0 Amp

#### **Input**

Supply connections	Red (Positive) and Black (Negative)
Motor connections	Red (Positive) White (Controlled Negative)
DC input voltage	Nominal 12 or 24 volt
DC output voltage	The Output is a pulse Width Modulated waveform

Control Range	Off to Maximum with a smooth Potentiometer control.
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#### **Approvals**

The Module must NOT be connected to Mains voltages and is NOT mains Rated. It is not intended as a stand alone product. This device is a generic after market module and any specific approval for any application depends on the requirements of the approving body.