

# POWERTECH

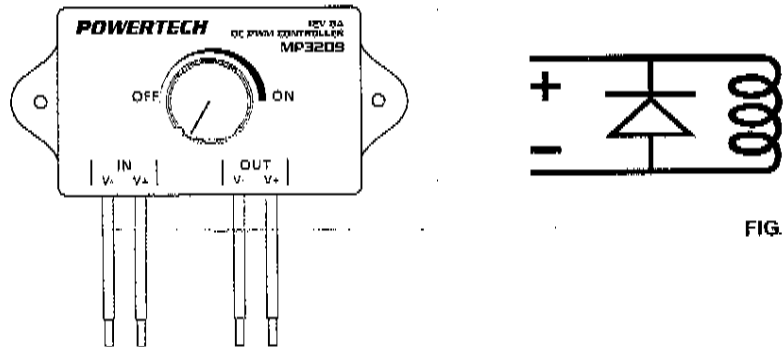
## MP3209 DC PWM Controller 12V 8 Amp

This is a single channel 12V 8Amp DC PWM Controller suitable for use as a dimmer for LED and other DC load applications such DC motor.

It has continuous adjustable duty cycle from zero to one hundred percent to achieve a gradual dimming or lighting brightness effect for LED or speed for motor. It can be used as a gradual on-off switch at zero duty cycle to 100%.

The PCB is potted with epoxy and hard wiring for input and output for max. protection against moisture ingression.

It is recommended to add a 400V, 3A diode such as IN 5404 across the output terminal (with positive to positive) as shown for inductive load such as dc motor.



### Installation:

1. Make sure your input dc source is within the specification of 12V your max. load is less than 8Amp.
2. Shorting the outputs will damage the controller.
3. It is recommended to connect the output first then the input, this is to avoid possibility of shorting the outputs.

### Specifications:

Operation voltage range: DC10 to 15V  
Full load current: 8Amp  
Adjustable duty cycle: 0 to 100%  
Standby current at DC12V 15mA  
Working temperature: minus 10°C to 50°C  
Dimensions: L 73mm x W 65mm x H 50mm