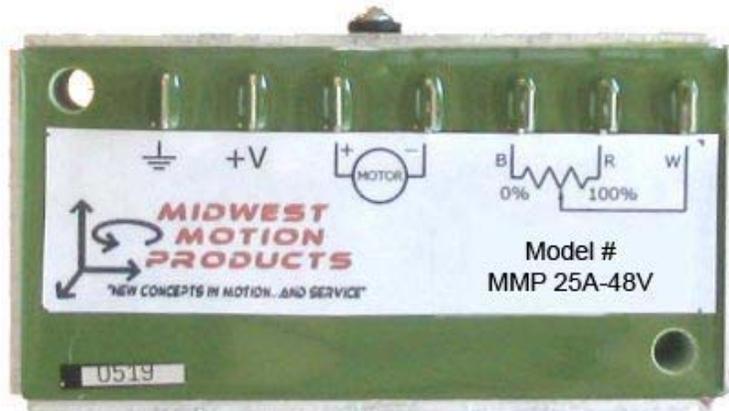




MMP 25A-48V DC MOTOR SPEED CONTROL



Reliable

- Designed to control the Speed of a Standard 48 Volt (36-60V) Brushed DC Motor.
- Maintenance free, Time Tested Design, Solid State Circuitry, minimal EMI / RFI Noise
- Potted, Rugged Construction Design for Harsh Environments. (IP65 Rated)

Versatile

- Operates from 36 to 60 VDC; Battery or other DC Supply** - to 25Amps Continuous Current
- Peak "momentary" Current is 40 Amps (1-2 Seconds Max)
- Easily Installed to any flat "Heatsinking" surface – Two Mounting Holes
- Output Pulse Width can be Varied for 0% to 98% Duty Cycle, switches at 22 KHz.
- Compact Size - 4.5" by 2" by 1.5" High.—Weight is 9.7 OUNCES
- 12 Volt and 24Volt DC Design also available*

Economical

- Low Cost, Time-Proven Reliability, very low ripple output
- Electronic Design Offers Longer Life than Mechanical Switches.
- Solid State Design with State of the Art Components.

MIDWEST MOTION PRODUCTS CO.

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MMP 25A-48V SPECIFICATIONS

Supply Voltage	36-60 Volts DC **
Output	Current Sinking
Voltage Drop	1.2 Volt Max, 3/4 V Typical
Current — Continuous / Peak (max)	25 Amps / 40 Amps (1-2 Seconds)
Humidity	to 100% condensing
Operating Temperature	0 degrees to 65 degrees C
Storage Temperature	-40 degrees to 85 degrees C
Enclosure	Aluminum – Potted
Terminals	.250 x .020 Quick Disconnect Male

IMPORTANT NOTE: THE POLARITY OF THE DC INPUT VOLTAGE MUST BE OBSERVED, OR DAMAGE TO THE CONTROL WILL RESULT.

**** Battery Power or Regulated DC (1Volt P-P Max ripple) is acceptable.**

Operation

The MMP 25A-48V Motor Speed Control operates on 36-60Volts DC. Battery power or a regulated DC Power Source** is acceptable. It is designed to control the output speed of a Brushed PM DC motor, by varying the output pulse width from 0% to 98% duty. The MMP 25A-48V is easy to use, having just 7 “faston” interconnects— two for DC Input power, two for the motor, and three for the ‘pre-wired’ speed control potentiometer, one of which is included with each unit.

Also accepts 0- 5 VDC Analog command.

Typical Applications

Agricultural ~ Automated Guided Vehicles ~ Automotive & Transportation ~ Battery Powered Robots ~ Chemical Feeder ~ Compressors ~ Conveyors ~ Fans & Blowers ~ Food Processing ~ Fuel Cells ~ Gear Motors ~ Hose & Cable take-up Reels ~ Paper Processing ~ Photo Processing ~ Portable Instruments ~ Pumps ~ RV's ~ Ventilators ~ Vibratory Feeders ~ Wire Feeders

This product is specifically designed for and is well suited for alternative energy applications including propulsion systems for electric, hybrid electric, and fuel cell electric vehicles, 42 Volt under-the-hood power accessories and other vehicular auxiliary & accessory applications.

For more information on this product or any other Motion Control Products, contact

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Design, Manufacturing & Distribution—Motion Control Equipment

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++ Adequate heatsinking practices must be observed in order to attain 25A Continuous Current.

*12 & 24 Volt DC Designs also available — See Model MMP 25A-12V and MMP 25A-24V for details

**Compatible 48V DC Power Supplies, DC Motors, DC Gearmotors are available.
DC Linear Actuators and Servo Drives are also available**