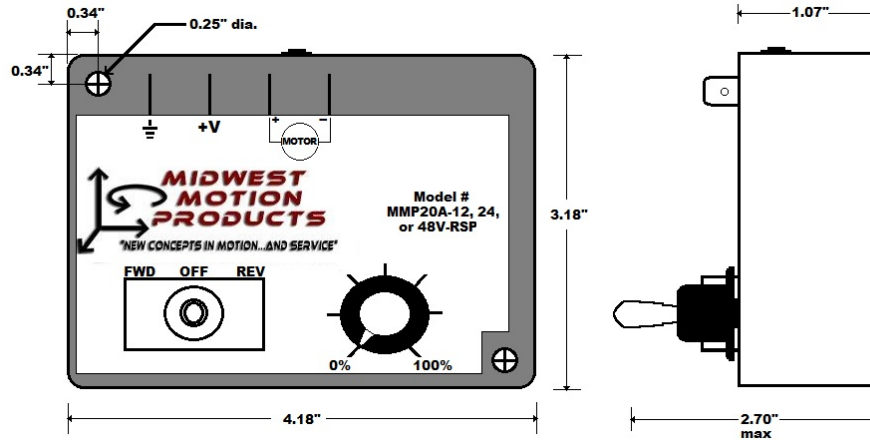


MMP 20A-24V-RSP DC MOTOR SPEED CONTROL



*FEATURES BUILT-IN SPEED ADJUST POTENTIOMETER & REVERSING SWITCH, WITH "CENTER OFF" POSITION

Reliable:

- Designed to control the speed & direction of a standard 24 Volt brushed DC motor
- Maintenance free, robust design, solid state circuitry, minimal EMI / RFI noise
- Potted, rugged construction design for harsh environments. (IP64 rated)

Versatile:

- Operates from 18 to 36 VDC; battery or other DC supply
- Continuous Current = 20 amps, peak "momentary" current is 40 amps (1 second max)
- Easily installed to any flat surface – Two ¼" diameter mounting holes
- Output pulse width can be varied for 0% to 98% Duty Cycle, switches at 22 KHz
- 12 & 48 Volt DC configurations 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

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

www.midwestmotion.com email: sales@midwestmotion.com



Technical Specifications:

Supply Voltage	18-36 Volts DC *
Output	Current Sinking
Voltage Drop	1 Volt Max, 1/2 V Typical
Current – Continuous / Peak (max)	20 Amps / 40 Amps (1 Second)
Humidity	to 100% condensing
Operating Temperature	0 °C to 65 °C
Storage Temperature	-40 °C to 85 °C
Enclosure	Aluminum
Terminals	.250 x .032 Quick Disconnect Male

***IMPORTANT NOTE: THE POLARITY OF THE DC INPUT VOLTAGE MUST BE OBSERVED, OR DAMAGE TO THE CONTROL COULD RESULT. Protect unit with a 20A Slow Blow Fuse.**

Operation:

- The MMP 20A-24V-RSP Motor Speed Control operates on 18-36 Volts DC.
- Controls speed of Brushed DC motor, by varying output pulse width from 0% to 98% duty.
- Four “fast-on” interconnects— two for 24 Volt power, two for the motor.
- Built-in, pre-wired reversing switch (FWD-OFF-REV) and speed adjust potentiometer.

Typical Applications:

Agricultural Machinery ~ Automated Guided Vehicles ~ Automotive & Transportation ~ Conveyors ~ Signage Motion ~ Battery Powered Robots ~ Chemical Feeder ~ Compressors ~ Conveyors ~ Fans & Blowers ~ Food Processing ~ Gear Motors ~ Hose & Cable take-up Reels ~ Hydrogen Generators ~ Linear Actuators ~ Mobile Robotics ~ Mobility and Accessibility Equipment ~ Paper Processing ~ Photo Processing ~ Portable Instruments ~ Pumps ~ RV’s ~ Ventilators ~ Vibratory Feeders ~ Wire Feeders

Speed Control/System Usage Guidelines

When installing a motor, gearmotor, motor control or servo amplifier, universally accepted engineering practices should always be observed. Please feel free to refer to [MMP’s General Tips](#) webpage for general information regarding proper motor, gearmotor, motor control and servo amplifier usage, to help ensure proper performance, and complete satisfaction with your application.

*Also available with “momentary” switch (must hold switch). Specify -M after part number for this option.