MIDWEST MOTION PRODUCTS

WIRELESS FORWARD/REVERSE CONTROLLER FOR DC MOTORS

Model Number:

MMP RF40A-12V

Opened Transmitter

Product Features

Input / Output Voltage: 6-18 VDC; 12 VDC Nominal
Standby Current: 7 mA
Operating Current: 137 mA
Lead Length: 13”
Lead Wire Gauge: 14 AWG
RF Section: 433 Mhz Surface Acoustic Wave
Range: 150’ [Unrestricted]
Transmitter: 2 Button
Transmitters Provided: 2
Maximum Output Load: 40 Amps
Maximum Momentary Peak Load: 60 Amps
Rotational Direction Switching: Output Polarity Reversal
Output Switching: Relay, Momentary Contact
Mounting Hole Size: 3/16”
Mounting Hole Spacing: 3.50”
Receiver Dimensions: 3 3/16” L x 2 3/4” W x 1 5/8” D
IP Rating/Receiver: IP67 [Waterproof]
IP Rating/Transmitter: Not Waterproof

WIRING:

RED = + 12V from Power Supply
BLACK = - 12V from Power Supply
YELLOW = Output to Motor*
WHITE = Output to Motor*

***When neither direction is active the leads are shorted, which will cause the motor to stop. Take this into consideration if wiring multiple relays together.**

The MMP RF40A-12V is the perfect solution for wireless polarity reversing.

Assembly is as simple as connecting a wire from a 12 VDC power and another wire to the 12 VDC motor. And with the MMP RF40A-12V’s waterproof receiver, the applications are limitless!

The MMP RF40A-12V will operate any DC motor, gearmotor or linear actuator - up to 40 amps.

With a 150’ line-of-sight range and a completely waterproof receiver, the MMP RF40A-12V can be taken outdoors and used to control motors in the harshest environments.

With a simple two button operation, the control allows users to either push the left button on the transmitter and power in correct polarity will flow from the receiver output leads, while pushing the right button and power in reverse polarity from the receiver output leads.

Transmitter Pairing: Press and hold (3 seconds) red button to put receiver into “Pairing Mode”. Red LED will illuminate indicating the receiver is ready to pair with transmitter(s). Press either button on transmitter to pair with receiver. You have up to 15 seconds to pair all transmitters with receiver during Pairing Mode. You can pair up to 4 transmitters with 1 receiver.

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.