

FORWARD REVERSE RELAY MODULES SERIES

14 V Max 50 A Motor Reversing Relay Module with Dynamic Braking



24452

Description

Ideal for use as a lift or tarp motor relay, the Forward Reverse Relay Module can also be used on hoists, hatches, winches, snowplows, intake/exhaust fans, vehicle outriggers, and other reversing applications.

The motor reversing relay module reverses the direction of the motor when the appropriate control circuit is energized with a signal from a control switch. Dynamic braking stops the motor when the switch returns to the "off" position.

Thanks to its thermoplastic housing with Hencol sealant, the reversing relay module carries an IP67/IP68 rating, enabling use in harsh automotive and machine environments.

Web Resources

Download 2D print, installation guide and technical resources at: [littelfuse.com/ForwardReverse](https://www.littelfuse.com/ForwardReverse)

Specifications

| | |
|--------------------------------------|---|
| Coil Voltage: | 12 VDC |
| Max Voltage Rating | 14 VDC |
| Max Total Continuous Current: | 50A |
| Operating Temp Range: | -40C to + 80°C |
| Ingress Protection: | IP67 / IP68 |
| Mounting Method: | Flanged slotted, 2x diam 0.2in x 0.3 length |
| Housing: | Black Thermoplastic and Hencol Sealant |
| Current Rating Inrush: | 150 A |
| Max Breaking Limit: | 225 Amp @ 12V, 5000 cycles |

Applications

- Tarps
- Lifts
- Snowplows
- Winches
- Hoists

Features and Benefits

- 50 A continuous current rating and 150 A current inrush rating
- 12 V dc coil rating and 14 V dc max voltage rating
- Dynamic brake capability stops the motor when the switch returns to the "off" position
- Sealed design is rated to IP67/IP68 for protection in harsh environments
- Single-pole, double-throw (SPDT) circuitry
- Monostable with common ground
- Heavy-duty silver contacts for a long cycle life

Ordering Information

| PART NUMBER | DESCRIPTION | RECOMMENED TORQUE | OUTPUT TERMINALS | INTPUT TERMINALS |
|-------------|---|--|------------------|------------------|
| 24452 | 14 V Max 50 A Motor Reversing Relay Module with Dynamic Braking | For ¼-20 stud 40in.Lb For #10-32 stud 12in.Lb | 2x ¼-20 Stud | 2x ¼-20 Stud |
| 24452-BX | 14 V Max 50 A Motor Reversing Relay Module with Dynamic Braking - Boxed | For ¼-20 stud 40in.Lb For #10-32 stud 12in.Lb | 2x ¼-20 Stud | 2x ¼-20 Stud |