# FORWARD REVERSE RELAY MODULES SERIES

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



#### **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** 

#### **Specifications**

Coil Voltage:12 VDCMax Voltage Rating14 VDCMax Total Continuous Current:50A

**Operating Temp Range:**  $-40C \text{ to} + 80^{\circ}C$  **Ingress Protection:** IP67 / IP68

Mounting Method:Flanged slotted, 2x diam 0.2in x 0.3 lengthHousing:Black Thermoplastic and Hencol Sealant

**Current Rating Inrush:** 150 A

Max Breaking Limit: 225 Amp @ 12V, 5000 cycles

### **Applications**

Tarps Lifts Hoists

Snowplows

#### **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 1/4-20 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