FORWARD REVERSE RELAY MODULES SERIES

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

24452

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

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**

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

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