

# FORWARD & REVERSE RELAY MODULE

## 12V DC High Power Motor Reversing Relays



### Description

Ideal for tarp or lift applications. Also used on hoists, hatches, winches, snowplows, intake/exhaust fans, vehicle outriggers and other reversing applications. Module automatically reverses the direction of the motor when the appropriate control circuit is energized with a pulse from a control switch. Dynamic braking stops the motor when the switch returns to Off. Low-profile module saves space. Studs are securely anchored in epoxy.

### Features and Benefits

- Dynamic braking.
- Carries a heavy load current.
- Intermittent or continuous operation.
- High performance silver tin oxide contacts assure long cycle life.
- Fully sealed to IP67 with high strength epoxy for total moisture protection to withstand very harsh environments.
- Ignition protected.
- Tin-plated brass studs and hardware for corrosion resistance.
- For intermittent operation, control switch should be Mom On-Off-Mom On; for continuous operation On-Off-On.

### Specifications Overview

<b>Intermittent Current:</b>	70A at 12V DC intermittent Max On time 5 mins Off time 3 mins
<b>Continuous Current:</b>	50A at 12V DC
<b>Load Current Inrush:</b>	150A.
<b>Pull-In Voltage:</b>	7.8V max
<b>Coil Resistance:</b>	82Ω ±10%
<b>Vibration Resistance:</b>	10-55Hz. Double amplitude 1.5mm
<b>Environmental:</b>	-40C to 85C. Rust and moisture-resistant plastic housing
<b>Dielectric Strength:</b>	500V RMS between coil and contact
<b>Dimensions:</b>	2.91" × 3.51" × 1.86" H (73.9 × 91.7 × 47.2mm)

### Web Resources

Download technical resources at:  
[littelfuse.com/24452](http://littelfuse.com/24452)

### Ordering Information

PART NUMBER	DESCRIPTION
24452	2V DC high power motor reversing relays
<del>97297</del>	<del>Protective Cover</del> <b>Obsolete</b>

### Accessories

PART NUMBER	DESCRIPTION
24401	SPDT Double-action Solenoid
55046	DPDT Reverse Polarity Toggle
75712-04	Rotary Reversing Switch



24401



55046



75712-04



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