
Lifetime Warranty

Description

The LifeSafety Power RB8 relay provides dual 8A Form C dry relay contacts for general purpose usage and is listed for use in ACCESS systems. They self-configure for either a 12 or 24VDC input and can be used either as a standard relay module, or as a sensitive trip relay (optional via jumper setting). Mounting is via SNAPTRACK™ for listed applications or via double stick tape for non-listed applications.

Ordering

Model No.	Description
RB8	8A DPDT Relay

Note: RB2 and RB5 relays are discontinued

Agency listings

USA

UL 294 UL 603

UL 1076

CSFM Approved

FCC Part 15, Subpart B

CANADA

ULC S318

ULC S319



SPECIFICATIONS

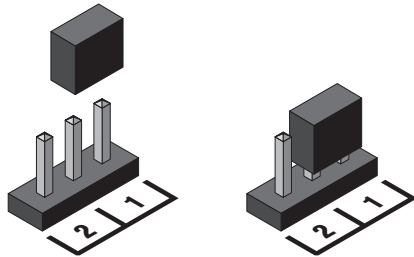
Model	Contact Ratings		DC Input Voltage	Maximum Current Draw		Sensitive Trip Levels	
	AC Rating 120VAC	DC Rating 30VDC		Active	Inactive (Sensitive Trip Mode)	Positive Trip	Negative Trip
RB8	8A	8A	12V or 24V DC	50mA	7mA	>5V	<1V

Jumper Setup

The RB relay board has one jumper (JP1) to configure the relay for conventional operation or sensitive trip.

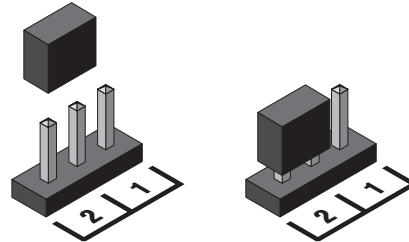
Position 1 Conventional

When JP1 is in position 1, the relay will activate when 12 or 24VDC is placed across the P+ and P- terminals.



Position 2 Sensitive Trip

When JP1 is in position 2, the RB board requires a constant 12 or 24VDC across the P+ and P- terminals, but the relay will not activate until a valid trip signal is received on either the T+ or T- terminal. See the Wiring section for more information.



Wiring

All terminals accept AWG12 to AWG22 wire.

P+ and P- Terminals

The main power connection for the RB relay board. These terminals accept 12VDC or 24VDC. The relay self-configures for the input voltage – no adjustment or jumper change is required.

T+ Terminal

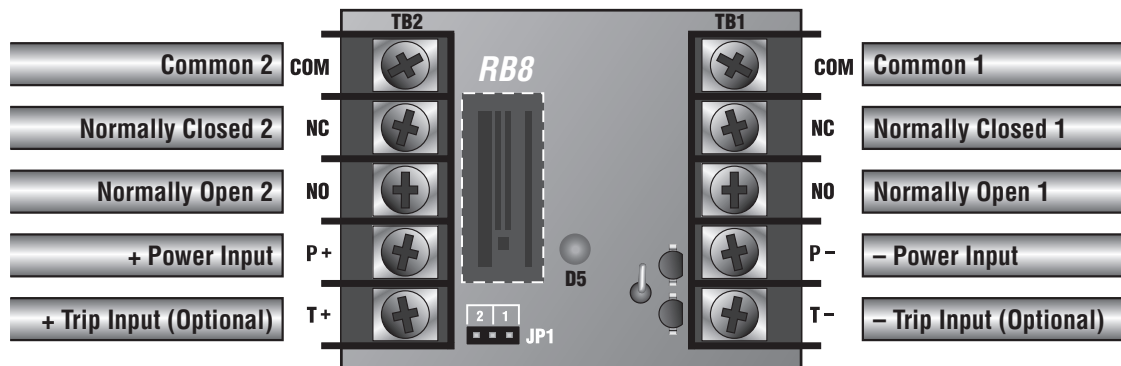
The Positive trip input when the relay is used in sensitive trip mode. If the relay is being used in conventional mode, this terminal should be left open (no connection). When in sensitive trip mode, a positive voltage placed on this terminal will activate the relay.

T- Terminal

The Negative trip input when the relay is used in sensitive trip mode. If the relay is being used in conventional mode, this terminal should be left open (no connection). When in sensitive trip mode, placing DC Common (P-) on this terminal will activate the relay.

COM, NC, and NO Terminals

The relay contacts. The RB relay board has two separate Form C relay contacts (DPDT) – one associated with each terminal strip bank.



LifeSafetyPower.com

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Specifications subject to change without notice.

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⚠ Wiring to the Power and Trip Inputs shall be contained within the same room, max. wiring distance of 30 meters. Class 2 power limited wiring must be separated from non-power limited wiring by a minimum of 1/4 in and must use separate knockouts. Refer to power supply installation instructions for further guidance.