

# STANDARD SOLID-STATE RELAY SERIES

For 12 to 24V DC Systems



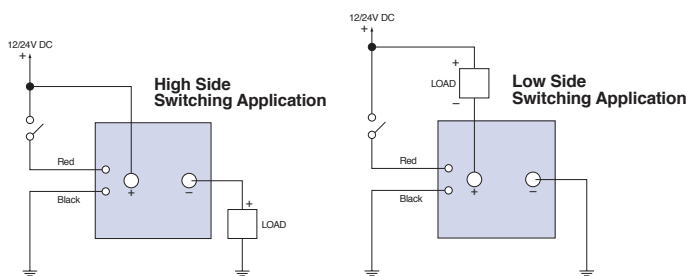
## Description

Solid state circuitry means no moving parts to wear out. Fully encapsulated construction gives extended protection against adverse environments.

## Features and Benefits

- Fully electronic switching mechanism: no electrical arcs
- Resistant to vibration and mechanical shock
- Withstands contamination from moisture, dust, salt spray
- Needs only a very low control current
- Suitable for high inrush demand circuits (see graph)
- Ideal for a variety of system voltage applications
- Extended service life: tested to 1,000,000 on/off cycles
- Very low control current of .02 Amps (max)
- On/off control voltage must be identical to the system voltage
- Protected from transient voltage spikes or surges
- Studs permit high current connection

## Wiring Diagram



## Specifications Overview

<b>Voltage Range:</b>	9 to 31V DC
<b>Max Continuous Current:</b>	85A
<b>Resistance (on):</b>	.005 Ohms
<b>Operating Temp:</b>	-40° to +85° C
<b>Control Wires:</b>	16 AWG stranded on/off
<b>Input Studs:</b>	5/16" x 18
<b>Size:</b>	Width: 3.0" Length: 5.0" Height: 2.9"

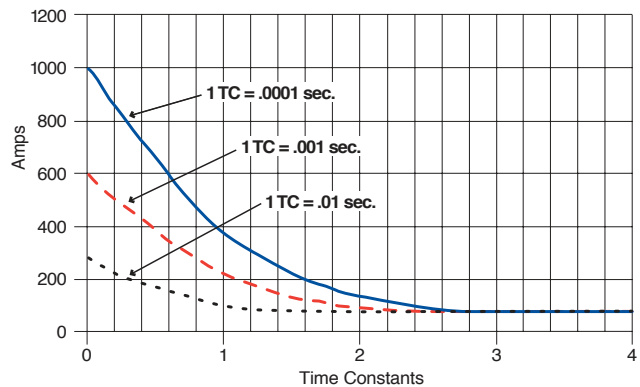
## Web Resources

Download technical resources at:  
[littelfuse.com/48785](http://littelfuse.com/48785)

## Ordering Information

PART NUMBER	DESCRIPTION
48785	Electronic Solid State Relay Switch

## Inrush Current Capability



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Datasheet Replaces Hotfeed Number D-579