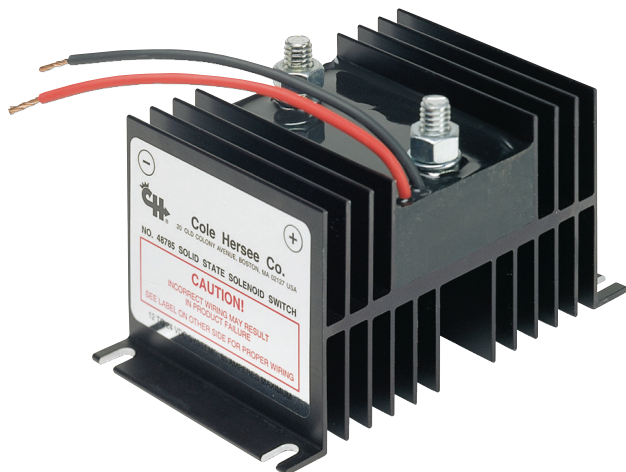


STANDARD SOLID-STATE RELAY SERIES

For 12 to 24V DC Systems



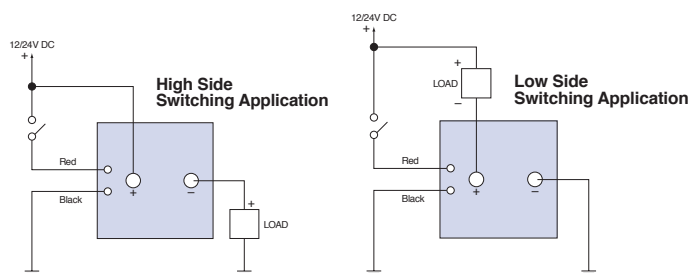
Description

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

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

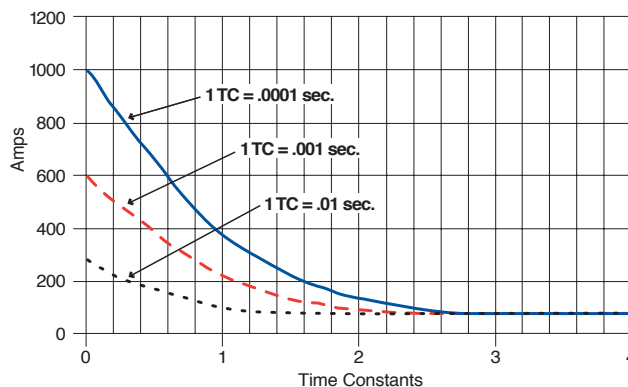
Web Resources

Download technical resources at:
littelfuse.com/48785

Ordering Information

| PART NUMBER | DESCRIPTION |
|-------------|-------------------------------------|
| 48785 | Electronic Solid State Relay Switch |

Inrush Current Capability



Visit Littelfuse.com for the most up-to-date product information. Littelfuse products are designed for specific applications and should not be used for any purpose (including, without limitation, automotive applications) not expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse product documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse product documentation.

Datasheet Replaces Hotfeed Number D-579

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Littelfuse:](#)

[48785](#)