

48785 SOLID-STATE RELAY - ELECTRONIC SOLENOID SWITCH

For 12 to 24V DC Systems



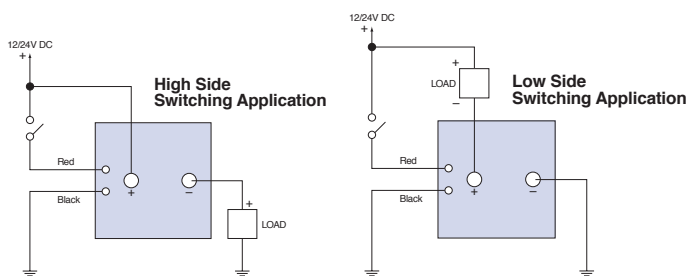
Description

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" |

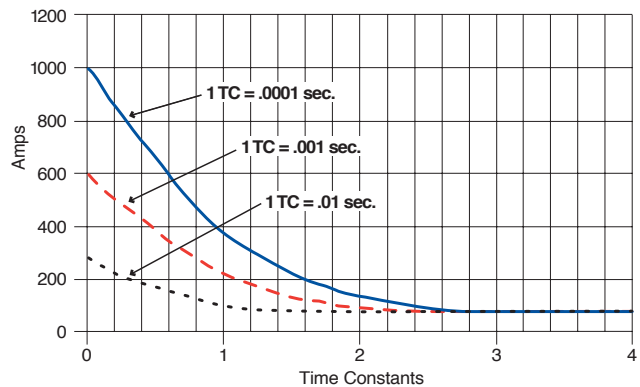
Web Resources

Download technical resources at:
littelfuse.com/48785

Ordering Information

| PART NUMBER | DESCRIPTION |
|-------------|----------------------------|
| 48785 | Electronic Solenoid Switch |

Inrush Current Capability



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