

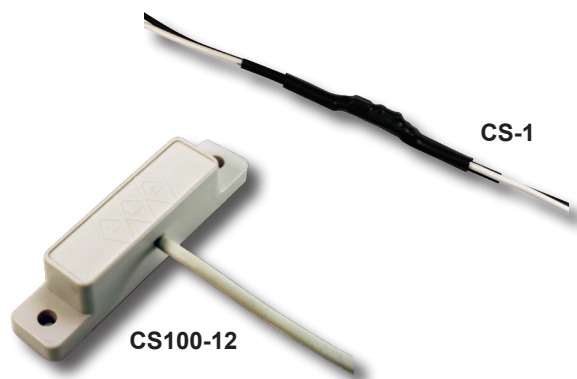
Current Sensors

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CS Series

- ◆ Fails safe with excessive current
- ◆ Micro-weld switch protection
- ◆ Channels voltage above 60 V to ground
- ◆ Available in recessed and surface styles
- ◆ Plus heat shrink for In-line installations



Two things cause switch failure:

- 1) Excessive Current: Switch protected from excessive current by Quick Blow fuse. Maximum reed switch rating is .5 amp. = 500 mA switching. If current exceeds .5 amp. fuse will blow. In Fail Safe condition, switch must be replaced.
- 2) High Voltage: SIDActor threshold 60 AC/DC Volts. If voltage exceeds 60 volts, SIDActor will clamp down, channeling any voltage above 60 directly to ground but will not cause switch device to fail or mis-operate and will continue to work.

The new sensors can be purchased with the protection built directly into your reed switch protection plus minimum and maximum zone protection. When using the CS-1, it should be installed directly in front of the contact(s).

Part Numbers

Heat Shrink:	CS-1		
Fused Switch:	CS2020-12	CS2020-T	CS100-12
	CS29A	CS4400	CS400
	CS200-36		

CIRCUIT

Internal Fuse
Break Over Voltage

Fuse and SIDActor

.500 A
60 to 100 Volts

GRI PRODUCTS MEET OR EXCEED THESE MINIMUM GENERAL SPECIFICATIONS:

Part Number	Loop Type	Electrical Configuration	Reed Form	Max. Initial Contact Resistance (Ω)	Max. Contact Rating (W)	Max. Switching Voltage (VDC)	Max. Switching Current (A)
CS400	Closed	N/O	A	.100	10	100	.500
CS4400-A	Closed	N/O	A	.100	10	100	.500
CS100-12	Closed	N/O	A	.100	10	100	.500
CS29A	Closed	N/O	A	.100	10	100	.500
CS2020-12	Closed	N/O	A	.100	10	100	.500
CS2020-T	Closed	N/O	A	.100	10	100	.500
CS200-36	Closed	N/O	A	.100	10	100	.500

WARRANTY: One year warranty against workmanship, material and factory defects.

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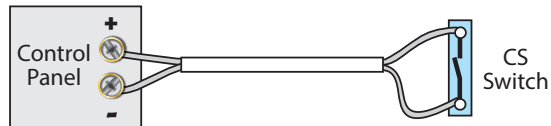
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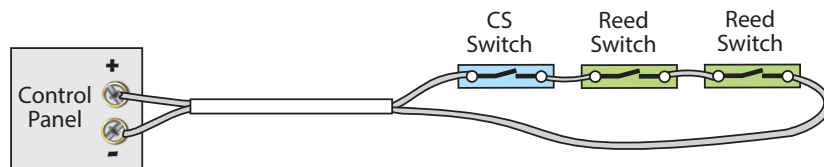
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SWITCH AND ZONE PROTECTION

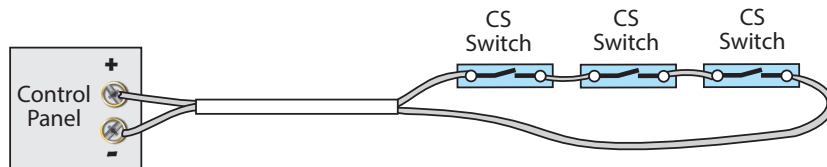
CURRENT PROTECTION SWITCH



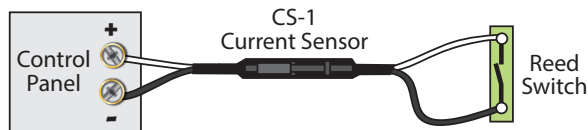
MINIMUM ZONE PROTECTION



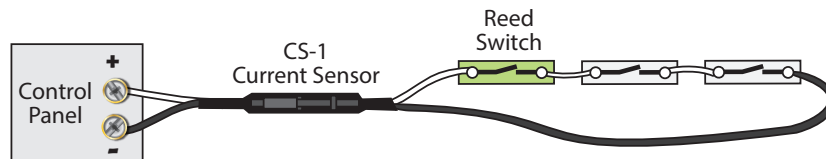
MAXIMUM ZONE PROTECTION



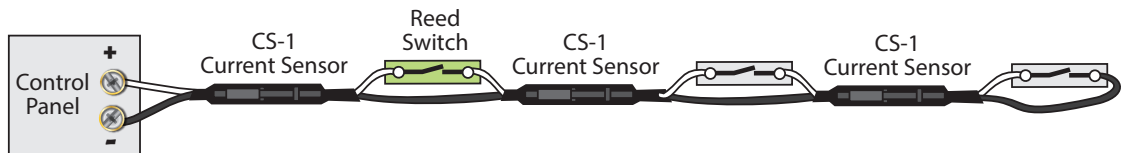
SWITCH PROTECTION WITH CS-1



MINIMUM ZONE PROTECTION WITH CS-1



MAXIMUM ZONE PROTECTION WITH CS-1



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