# George Risk Industries

## (800) 523-1227

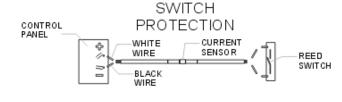
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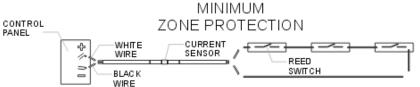
### **CS Current Sensor Series Switch Sets**

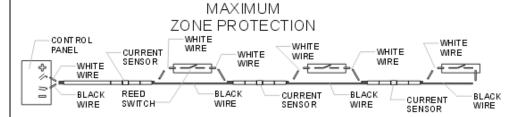


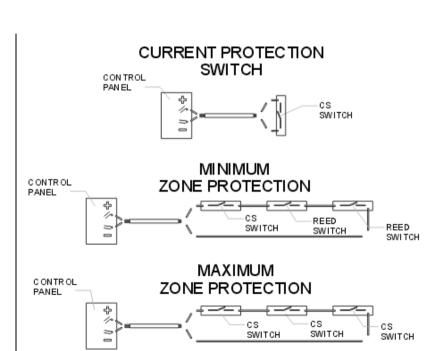
- Fails Safe With Excessive Current
- Micro-Weld Switch Protection
- Channels Voltage Above 60 V To Ground
- Available In Recessed & Surface Styles
- Plus Heat Shrink For In-Line Installations

CS-100-12









# **CURRENT SENSORS**



- Fails Safe With Excessive Current
- Micro-Weld Switch Protection
- Channels Voltage Above 60 V
   To Ground
- Available In Recessed & Surface Styles
- Plus Heat Shrink For In-Line Installations



CS100-12

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 or you may prefer the G.R.I. CS-1 heat shrink version, which you connect in-line with your switches.

Please see diagrams on reverse for installation information on switch protection plus minimum and maximum zone protection. When using the CS-1, it should be installed directly in front of the contact(s).

CIRCUIT	Fuse and SIDActor			
Internal Fuse	.500 A			
Break Over Volt	age 60 to 100 Volts			

### **PART NUMBERS:**

Heat Shrink: CS-1

Fused Switch: CS2020-12 CS2020-T CS100-12

CS29A CS4400 CS400

CS200-36

### GRI products meet or exceed these minimum general specifications:

PART NUMBER	LOOP TYPE	ELECTRICAL CONFIG.	REED FORM	MAXIMUM INITIAL CONTACT RESISTANCE	MAXIMUM CONTACT RATING	MAXIMUM SWITCHING VOLTAGE	MAXIMUM SWITCHING CURRENT
				$(\Omega)$	(W)	(VDC)	(A)
CS400	Closed	N/O	Α	.100	10	100	.500
CS4400-A	Closed	N/O	Α	.100	10	100	.500
CS100-12	Closed	N/O	Α	.100	10	100	.500
CS29A	Closed	N/O	Α	.100	10	100	.500
CS2020-12	Closed	N/O	Α	.100	10	100	.500
CS2020-T	Closed	N/O	Α	.100	10	100	.500
CS200-36	Closed	N/O	А	.100	10	100	.500

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

GEORGE RISK INDUSTRIES, INC. GR.I. PLAZA KIMBALL, NE 69145



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10LL-FREE 1-800-523-1227 (308) 235-4645

FAX (308) 235-3561

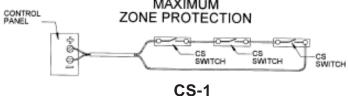
E-MAIL: grisales@megavision.com WEB SITE: www.grisk.com

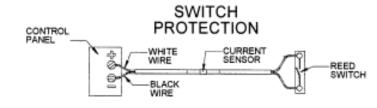


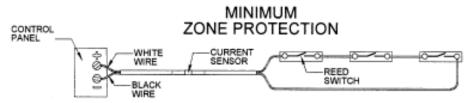
# **CURRENT SENSORS**

# **Switch and Zone Protection**

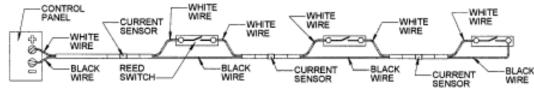
# CURRENT PROTECTION SWITCH CONTROL PANEL MINIMUM ZONE PROTECTION CONTROL SWITCH MAXIMUM ZONE PROTECTION MAXIMUM ZONE PROTECTION







### MAXIMUM ZONE PROTECTION



CS2020-12, CS2020-T, CS100-12, CS29A, CS4400

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