

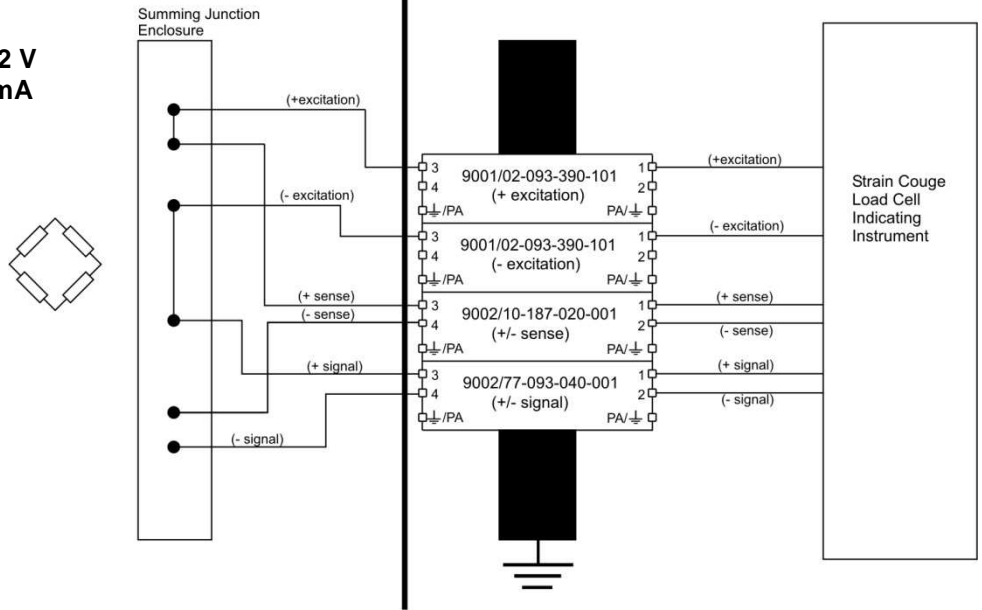
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**Safety Barrier Combination**  
**Max. Voltage ( $V_{oc}$ ) ( $V_t$ ) = 19.2 V**  
**Max. Current ( $I_{sc}$ ) ( $I_t$ ) = 830 mA**  
 **$C_a = 1.1 \mu F$**   
 **$L_a = 0.05 mH$**

Hazardous Location  
 Class I, II, III, Div.1, Groups C-G

Nonhazardous Location  
 or Div.2



**Operational Data**

9001/02-093-390-101 (+/- excitation)

Rated Voltage  $\pm 6 V$   
 Max. Voltage  $\pm 7.7 V$   
 Internal Resistance  $34 \Omega$   
 Replaceable Fuse Current  $160 mA$

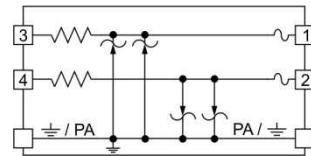
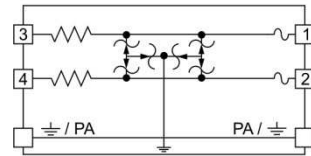
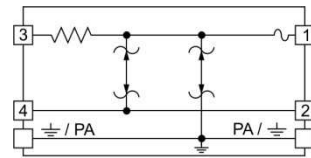
9002/77-093-040-001 (+/- signal)

Rated Voltage  $\pm 6 V$   
 Max. Voltage  $\pm 7.7 V DC$   
 Internal Resistance  $482 \Omega$   
 Replaceable Fuse Current  $160 mA$

9002/10-187-020-001 (+/- sense)

Rated Voltage Channel I  $+ 6 V$   
 Rated Voltage Channel II  $- 6 V$   
 Max. Voltage  $\pm 8 V$  per channel  
 Internal Resistance  $482 \Omega$  per channel  
 Replaceable Fuse Current  $160 mA$

**Intrinsic Safety Barrier Circuit Schematics**



**This 4 Intrinsic Safety Barrier configuration provides intrinsically safe connections for Class I, II, III, Div.1, Groups C-G. Installation to be in accordance with ANSI/NFPA 70 NEC, Article 504 and ANSI/ISA- RP12.6 and the Manufacturer's Control Drawings 90 016 11 31 3, 90 026 11 31 3.**

F 4830 503

			1995	Date	Name	Certification drawing UL Listed Intrinsic Safety Barrier Configuration for $\pm 7.5 V DC$ Load Cell Excitation  <b>9000-3UL</b>	Scale
			Drawn by	Oct.	Tobey		none
			Checked		Kaiser		Sheet 1 of 1
							Agency UL
01	13.08.09	Reistle					Rep. f.
							A4