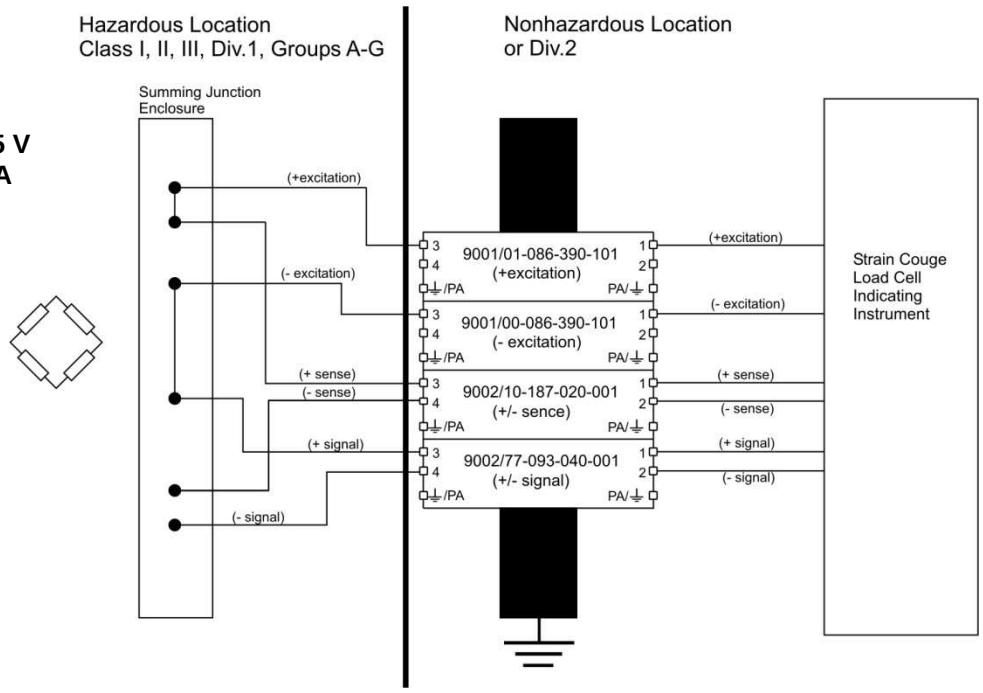
Safety Barrier Combination
Max. Voltage (V_{oc}) (V_t) = 17.35 V
Max. Current (I_{sc}) (I_t) = 458 mA
C_a = 0.37 µF
L_a = 0.098 mH



Operational Data

9001/01-086-390-101 (+excitation)

Rated Voltage	+ 6 V DC
Max. Voltage	+ 7.3 V DC
Internal Resistance	30 Ω
Replaceable Fuse Current	160 mA

9001/00-086-390-101 (-excitation)

Rated Voltage	- 6 V DC
Max. Voltage	- 7.3 V DC
Internal Resistance	482 Ω
Replaceable Fuse Current	160 mA

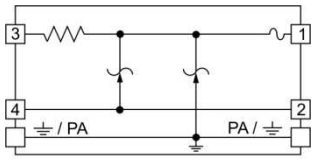
9002/77-093-040-001 (+/- signal)

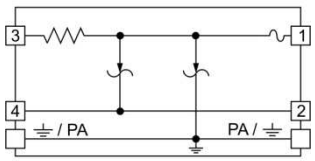
Rated Voltage	± 6 V per channel
Max. Voltage	± 7.7 V per channel
Internal Resistance	482 Ω per channel
Replaceable Fuse Current	160 mA

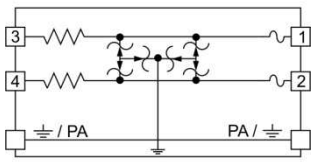
9002/10-187-020-001 (+/- sense)

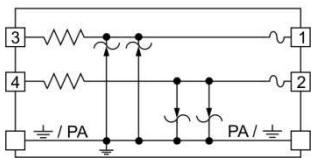
Rated Voltage Channel I	+ 6 V
Rated Voltage Channel II	- 6 V
Max. Voltage	± 8 V per channel
Internal Resistance	482 Ω per channel
Replaceable Fuse Current	160 mA

Intrinsic Safety Barrier Circuit Schematics









This 4 Intrinsic Safety Barrier configuration provides intrinsically safe connections for Class I, II, III, Div.1, Groups A-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.

			1995	Date	Name	Certification drawing	Scale: none
			Drawn by	Oct.	Tobey		
			Checked		Kaiser	UL Listed Intrinsic Safety Barrier Configuration for ± 5 V DC Load Cell Excitation	Sheet: 1 of 1
					STAHL	9000-2UL	Agency: UL
01	13.08.09	Reistle					
Index	Date	Name				Rep. f. / Rep. t.	A4

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