

SIGNAL CONDITIONERS

PROCESS SIGNAL CONDITIONERS

MODEL SG

FEATURES

The family of SG Process Signal conditioners provide an isolated linear output signal from a standard or non-standard input process signal. Factory calibrated for various input and output signals.

APPLICATIONS

- Process Control
- Signal Isolation
- Signal Conversion



MODEL SELECTION

SG - □ - □ - □ - □ - □

RATED INPUT		RATED OUTPUT		INSTRUMENT POWER		ADJUSTMENT OPTIONS	
1	0-1mAdc	01	0-1mAdc	H	115Vac	(BLANK)	±10% Output Span Adj. ±1% Zero Adj.
2	0-10Vdc	02	0-10Vdc	**G	230Vac	1	50% Output Span Adj.
3	0-5Vdc	03	0-5Vdc			2	+10% Output Span Adj. 50% Zero Adj.
4	1-5Vdc	04	1-5Vdc			3	50% Output Span Adj. 50% Zero Adj.
5	0-20mAdc	05	0-20mAdc				
6	4-20mAdc	06	4-20mAdc				
7	20-4mAdc	07	0-5mAdc				
8	10-50mAdc	08	4-20mA loop powered				
		09	4-12-20mAdc				

ORDERING INFORMATION

Example:
4-20mAdc Input
and 0-1mAdc
Output, 115Vac
Instrument Power.
SG-6-01-H

SPECIFICATIONS

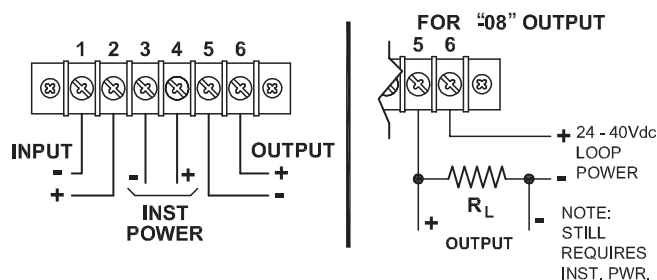
INPUT.....See Table

Burden (Ω)
1mAdc.....1K
5Vdc,10Vdc,1-5Vdc,50mVdc,100mVdcmin. 100K
20mAdc.....250
50mAdc.....100
Over range.....2 X Rated input.
Response Time.....1ms
Dielectric Test (Input to Output) 1000Vdc
(Input/Output to Inst. Pwr.) 1500Vdc
Instrument Power..... 95-135Vac, 50-400Hz, 3.5VA
**Optional 230Vac, 50-60Hz
Optional DC Instrument Power Available. Consult factory
Termination.....14 AWG max.

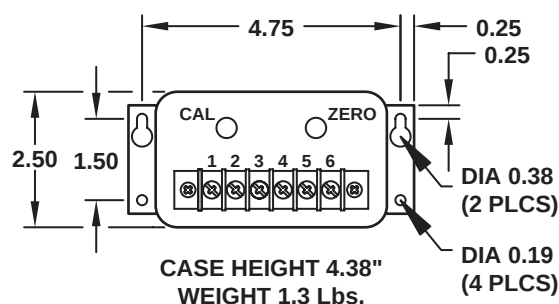
OUTPUT

ACCURACY (Set Point) ± 0.25% F.S.
(Linearity)..... ± 0.1% F.S.
Load on Output (Ω)
1mAdc.....0-10K
5mAdc.....0-2.4K
5Vdc,10Vdc.....>2K
1-5Vdc.....>2K
20mAdc.....0-600
Response Time.....10ms
Ripple < ±0.5% F.S.
Temperature Range.....-20°C to +65°C
Temperature Effect ±0.01%/°C

CONNECTIONS



CASE DIMENSIONS



All Dimensions In Inches

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