# SIGNAL CONDITIONERS

## SIGNAL CONDITIONER — *MODEL* MSG

### DIN RAIL MOUNTED

### FEATURES

- High CMV isolation of 1000Vdc.
- Isolated linear output from a standard or non-standard input process signal.
- Factory calibrated for various input and output signals. Special ranges and calibration available.
- Zero and Cal "Span" adjustments.
- Easy-mount DIN enclosure

### APPLICATIONS

- Process control
- Signal isolation
- Signal conversion

### MODEL SELECTION

**MSG – □ – □ – □**

| RATED INPUT | RATED OUTPUT | INSTRUMENT POWER |
|---|---|---|
| (1) 0-1mAdc | (01) 0-1mAdc | (H) 115Vac |
| (2) 0-10Vdc | (02) 0-10Vdc | |
| (3) 0-5Vdc | (03) 0-5Vdc | |
| (4) 1-5Vdc | (04) 1-5Vdc | |
| (5) 0-20mAdc | (05) 0-20mAdc | |
| (6) 4-20mAdc | (06) 4-20mAdc | |
| (7) 20-4mAdc | (07) 0-5mAdc | |
| (8) 10-50mAdc | | |
| (9) 0-50mVdc | | |
| (10) 0-100mVdc | | |

**ORDERING INFORMATION**

Example: 4-20mA Input, 0-1mA Output, 115Vac Instrument Power.

**MSG-6-01-H**

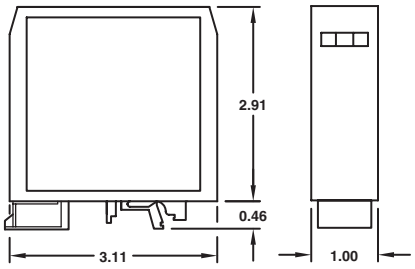
### SPECIFICATIONS

**INPUT** ..... See Table
Frequency ..... dc
Burden (Ohms)
1mA ..... 1K
5V,10V,1-5V,50mV,100mV ..... min. 100K
20mA ..... 100
50mA ..... 40
Overrange ..... 2 X rated input
Response Time ..... 1 millisecond
Dielectric Test ... (Input to Output) ..... 1000Vdc
(Input/Output to Inst. Pwr.) ..... 1500Vdc
Instrument Power ..... 95-135Vac, 50-400Hz,3.5VA
Termination ..... #14 AWG max.
Weight ..... 0.4 Lb.

**OUTPUT**
**ACCURACY ... (Set Point) ..... + 0.25% F.S.**
**(Linearity) ..... + 0.1% F.S.**
Load on Output (Ohms)
1mA ..... 0-10K
5mA ..... 0-2K
5V,10V ..... >2K
1-5V ..... >1M
20mA ..... 0-500
Response Time ..... 10 milliseconds
Ripple ..... < +0.5% F.S.
Temperature Range ..... -20°C to +65°C
Temperature Effect ..... +0.01%/°C

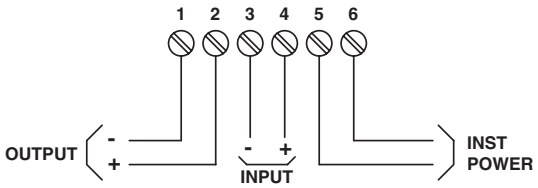
### DIMENSIONS

UNIT CAN BE MOUNTED ON:
RAIL EN50035 (DIN 1)
RAIL EN50022 (DIN 2)




All Dimensions In Inches

### CONNECTION DIAGRAM




**FLEX-CORE®**
**Div. Morlan & Associates, Inc.**
6625 McVey Blvd. Columbus, Ohio 43235

**WWW.FLEX-CORE.COM**
sales@flex-core.com

**PHONE** (614) 889-6152
**TECH. ASSISTANCE** (614) 876-8308
**FAX #** (614) 876-8538