

SIGNAL CONDITIONERS

PROCESS 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

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RATED INPUT		RATED OUTPUT		INSTRUMENT POWER	
1	0-1mA _{dc}	01	0-1mA _{dc}	H	115Vac
2	0-10V _{dc}	02	0-10V _{dc}	5	5V _{dc}
3	0-5V _{dc}	03	0-5V _{dc}	12	12V _{dc}
4	1-5V _{dc}	04	1-5V _{dc}	15	15V _{dc}
5	0-20mA _{dc}	05	0-20mA _{dc}	24	24V _{dc}
6	4-20mA _{dc}	06	4-20mA _{dc}		
7	20-4mA _{dc}	07	0-5mA _{dc}		
8	10-50mA _{dc}				
9	0-50mV _{dc}				
10	0-100mV _{dc}				

ORDERING INFORMATION

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

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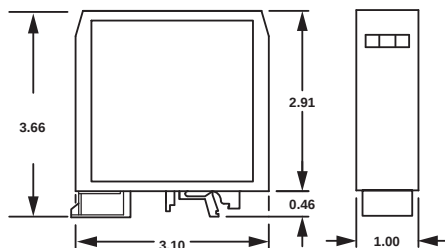
SPECIFICATIONS

INPUT See Table
Frequency dc
Burden (Ω)
1mA_{dc} 1K
5V_{dc}, 10V_{dc}, 1-5V_{dc}, 50mV_{dc}, 100mV_{dc} min. 100K
20mA_{dc} 100
50mA_{dc} 40
Over range 2 X rated input
Dielectric Test (Input to Output) 1000V_{dc}
(Input/Output to Inst. Pwr.) 1500V_{dc}
Instrument Power 95-135Vac, 50-400Hz, 3.5VA
Termination 14 AWG max.
Weight 0.4 Lb.

OUTPUT
ACCURACY (Set Point) $\pm 0.25\%$ F.S.
(Linearity) $\pm 0.1\%$ F.S.
Load on Output (Ohms)
1mA_{dc} 0-10K
5mA_{dc} 0-2K
5V_{dc}, 10V_{dc} >2K
1-5V_{dc} >1M
20mA_{dc} 0-500
Response Time 10ms
Ripple < $\pm 0.5\%$ F.S.
Temperature Range -20°C to +65°C
Temperature Effect $\pm 0.01\%/^{\circ}\text{C}$

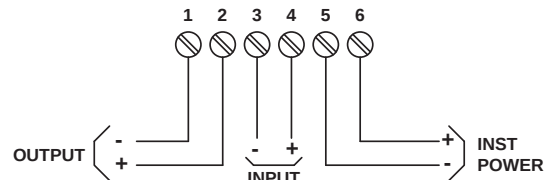
DIMENSIONS

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



All Dimensions In Inches

CONNECTION DIAGRAM



FLEX-CORE®

SIGNAL CONDITIONERS

1.800.561.8187

www.itm.com

information@itm.com