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ANALOG SETPOINT MODULE

applications

- ▶ Strain Gage Measurements
 - Load Cells
 - Force Transducers
 - Torque Transducers
 - Pressure Transducers
- ▶ Transducer Interface To PLC/DCS
- ▶ Process Control
- ▶ Weighing Systems
- ▶ Level Monitoring and Control
- ▶ Intrinsically Safe Applications
- ▶ Cost Effective OEM/VAR Solutions



features

- Integral Measurements-Grade Power Supply And Precision Amplifier
- 0-1 mV/V to 0-200 mV/V Input Ranges Available
- Field Adjustable Excitation Voltage From 4 to 12 VDC (40 mA max load)
- Field Adjustable Setpoint Range of 0 to 100% Of Span
- Field Adjustable Deadband Range of 0.25% to 100% Of Span
- SPST and SPDT 5 Amp Relay
- Compatible With Single and Multiple Transducer Applications
- Red/Green LED Indicates Relay Status
- Slide Switch Selection of High Setpoint or Low Setpoint Operation
- DIN Rail or Panel Mount Using Industry Standard 11-Pin Socket
- Snap-Track Mounting Option
- Designed For Use In "Electrically Noisy" Industrial Environments
- Easy Setup and Adjustment
- AC or DC Power Options
- Compact Case Dimensions Of Only 2.91" High X 2.38" Wide X 1.75" Deep
- NEMA 4/4X And Explosion-Proof Housings Are Available
- Three Year Warranty

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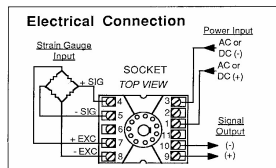
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Innovative Measurement Solutions



operator interface

Status Annunciator:
Adjustments



Red-To-Green LED for relay status indication
Integral potentiometers & switches; Setpoint and Deadband tuning; Setpoint Hi/Lo selection switch; Excitation voltage adjustment

functional parameters

Amplifier Linearity:	Better Than Or Equal To 0.1% Full Scale (FS)
Measurement Response Rate:	100ms typical
Span Range @ Full Scale:	Factory set; Select 0 To .4 mV/V (minimum); 0 To 1 V/V (maximum)
Setpoint Range:	0-100% of Span Range; 12-Turn potentiometer
Deadband Range:	0.25%-100% of Span Range; 12-Turn potentiometer
Relay Action:	Failsafe Mode (Standard); Relay normally energized; De-energizes at setpoint or with loss of power; Reverse action available (Option)
Bridge Excitation Voltage:	Field adjustable: 4-12 VDC
Excitation Current Rating:	40 mA maximum load
Excitation Stability:	.005%/°F (.01%/°C)
Common Mode Rejection	100dB (minimum)
Input Impedance:	200Kohms (minimum)
Power (Standard):	115 VAC ±10% @ 50/60Hz; 2.5W (maximum)
Power (Options):	230 VAC ±10% @ 50/60Hz; 2.5W (maximum) 12 VDC ± 5% 125 mA maximum; or 12 VDC ± 10% 2.5 W maximum

environmental

Operating Temperature Range:	-10° To +60 °C / 14° F To 140°F
Storage Temperature Range:	-20° To +70° C / -4° F To 158° F
Temperature Stability:	Better Than 0.02% of Span/°C
Humidity Range:	0 To 95% RH; Non-condensing
Enclosure Construction:	High impact polycarbonate; 11-pin plug base
Enclosure Dimensions:	2.91" high X 2.38" wide X 1.75" deep
Weight:	> 1 lbs. (0.5 kg)

options

Mounting:	11-pin sockets, DIN or surface mount; Aluminum DIN rail; Plastic Snap Track; NEMA 4/4X enclosures; Explosion-proof enclosures ; DC power
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operation