



# JE

## 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*

- JE is a single setpoint module
- JE-B is a dual setpoint module
- 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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*Innovative Measurement Solutions*



### operator interface

Status Annunciator: Red-To-Green LED for relay status indication  
 Adjustments: 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

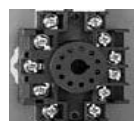
### environmental

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

### operation



Included

