

DYNISCO MODEL RT350

Remote Strain Gage to DC Transmitter

Description

The versatile model RT350 signal conditioner accepts an input from strain gage sensors and provides an opto - isolated, amplified DC output. Typical applications include providing an interface to recorders, data loggers and other process monitoring and control systems. The RT350 enables easy and safe adjustment of the output signal at the control panel, versus at the machinery. With its plug - in design, red and green diagnostic LEDs and convenient shunt calibration switch, the RT350 is the universal solution for your strain gage signal conditioning requirements.

Features

- Field selectable input/output ranges
- Non - interactive zero and span adjustment
- Optically isolated output
- Convenient shunt calibration switch
- Lifetime warranty

Benefits

- Adapts to a variety of applications
- Adjust once
- Free from internal interference
- Convenient matching to transducer
- No service problems



Specifications

Performance Characteristics

Linearity: 0.01% of span or less

Maximum output load: 1 K Ohm minimum for voltage;
1 K Ohm maximum for current

Response time: 70 ms typical; 10 ms available (DF)

Common mode rejection: 100 dB minimum

Excitation: 0 to 10 Vdc settable in 1 Vdc increments 120 mA maximum at 10 Vdc

Excitation stability: $\pm 0.01\%$ per $^{\circ}\text{C}$

Temperature stability: 0.02% of span per $^{\circ}\text{C}$

Operating temperature range: -10° to $+60^{\circ}\text{C}$ (14° to 140°F)

Power: 115 Vac $\pm 10\%$; 50/60 Hz 3.5 W maximum

Dimensions: 2.75 in. (69.85 mm) H X 1.75 in. (44.45 mm) X 2.38 in. (60.45 mm)

Input/Output Characteristics

Input: 0 to 5 mV to 0 to 400 mV

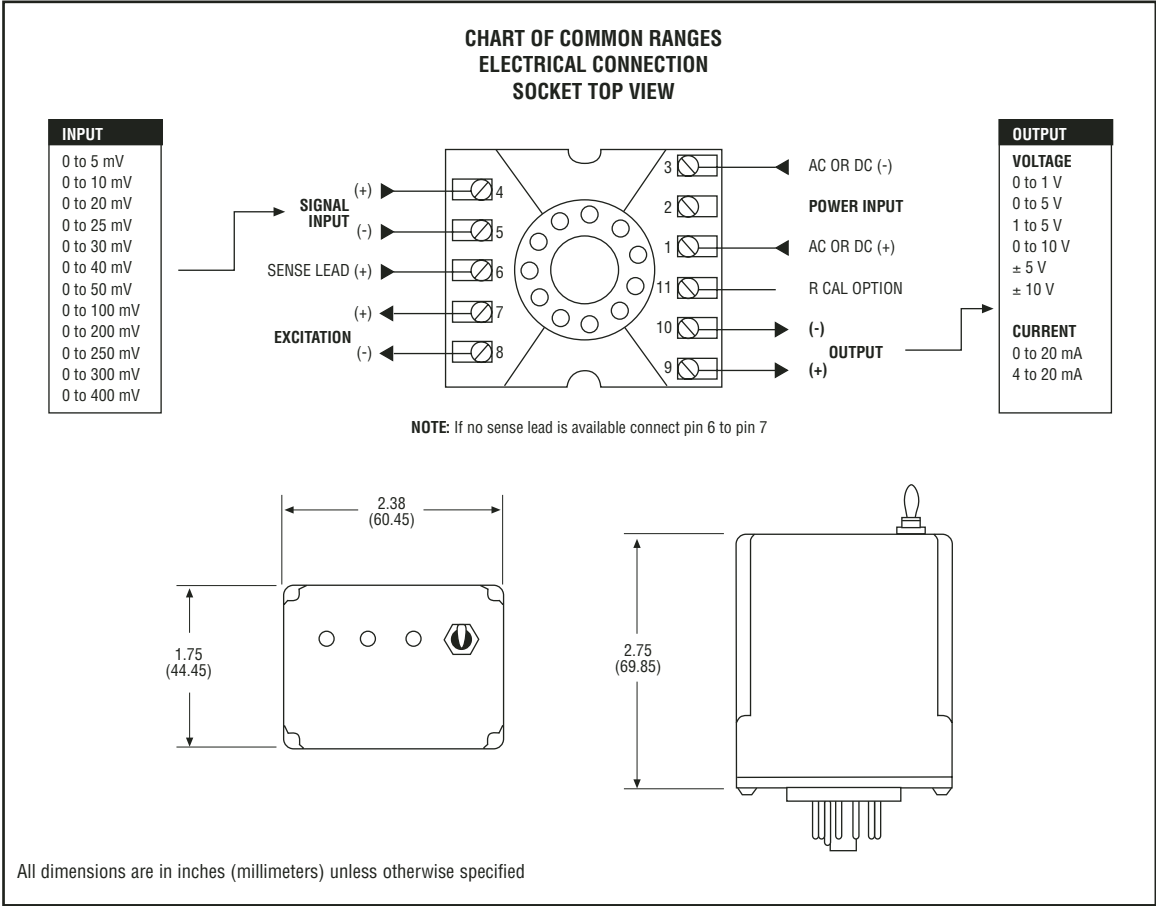
Output: 0 to 1 V, 0 to 5 V, 0 to 10 V, ± 5 V, 0 to 20 mA, 4 to 20 mA

Zero offset: $\pm 100\%$ in 15% increments

Zero/span adjustment: Non - interactive; $\pm 15\%$ of span typical

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Ordering Guide

Model	Power	
	Code	Description
RT350	V1	115 Vac
	V2	230 Vac
	V3	10 to 30 Vdc
	V1 - DF	115 Vac

Note: For required 11 - pin socket specify P/N901100

Ordering Example: RT350 - V1

Delivery

Express delivery. Call for delivery information on other configurations.