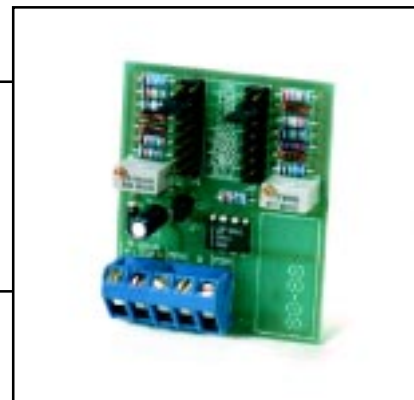


**FEATURES**

- Solid State Reliability
- Two Wire Loop Powered 4-20 mA output
- Seven (7) Selectable Resistance Input Ranges plus One (1) Adjustable Resistance Input Range

**APPLICATIONS**

- HVAC System Valve and Damper Position Feedback
- Remote Override for ACT Interfaces
- Photocell Transmitter



**PRODUCT DESCRIPTION**

The RTI converts a 3-wire resistance signal to an analog output, using current loop power (two wire). The RTI is reverse polarity protected and offers linear tracking of a 3-wire resistance input against the standard output signal of a 4 to 20 milliamp (current source). Its small size and self-powered feature lends its use to remote mounting for feedback of valve and damper position signals.

**ORDERING INFORMATION**

Specify:     **RTI-1** Seven (7) Selectable Input Ranges **plus** Adjustable 0-100 to 500 ohm range  
                   **RTI-2** Seven (7) Selectable Input Ranges **plus** Adjustable 0-500 to 2200 ohm range  
                   **RTI-3** Seven (7) Selectable Input Ranges **plus** Adjustable 0-2200 to 5000 ohm range  
                   \_\_\_\_\_ with **ENC1** Enclosure?

**SPECIFICATIONS**

**Electrical Requirements**

*Power Supply*

Supply voltage	24 VDC +/- 10%
Input Type	3-wire potentiometer only
Input Resistance Ranges	Seven Fixed ranges: 0-100, 0-135, 0-220, 0-500, 0-1000, 0-2000, and 0-2800 ohms RTI-1 plus Adjustable range: 0-100 to 500 ohms RTI-2 plus Adjustable range: 0-500 to 2200 ohms RTI-3 plus Adjustable range: 0-2200 to 5000 ohms
Current Draw	Minimum 4 mA (wiper to MIN), maximum 20 mA (wiper to MAX)
Output Signal	4 to 20 mA
Accuracy	+/- 1% of the adjustable 16 mA span, +/- 2% of the fixed 16 mA span

**Mechanical Requirements**

Connections	Terminal type: 45° Captive screw, moving clamp design in nickel plated copper alloy, maximum of one (1) 14 AWG wire.
Mounting	2.375 " length of 2.25" snap track (ENC1 optional)
Weight	2 oz.
Dimensions	2.25" W x 1.8" L x 1.0" H.

**Environmental Requirements**

Operating Temperature	32 to 120 deg. F
Storage Temperature	-20 to 150 deg. F
Operating Humidity	10 to 95% non-condensing

*Specifications may change without notice to improve product design or function.*