



RTI

Resistance Input to Current Output (Loop Powered)

The RTI converts a 3-wire resistance signal to an analog output by 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 4-20mA (current source). The RTI is small in size and self-powered. These features lend its use to remote mounting for feedback signals from a valve or damper motor indicating its position.

The RTI is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI's Sensors & Transmitters catalog or can be found on ACI's Website, which is: www.workaci.com.





SPECIFICATIONS

Supply Voltage	24 VDC +/-10%
Input Type	3-wire potentiometer only
Input Resistance Ranges (7)	0-100, 0-135, 0-220, 0-500, 0-1000, 0-2000, and 0-2800Ω plus the following:
The 8th Adjustable Input Range	RTI-1: 0 to (100 to 500)Ω , RTI-2: 0 to (500 to 2200)Ω , RTI-3: 0 to (2200 to 5000)Ω
Current	Min 4 mA, max 20 mA Output, Signal of 4 to 20 mA
Accuracy	+/- 1% of the adjustable 16 mA span, +/- 2% of the fixed 16 mA span
Operating Temp/RH	32 to 104°F (0 to 40°C)/25 to 95% non condensing

ORDERING

Please select one RTI series as an Interface Device (A).

A Interface

- RTI1** (Adjustable 0 to (100 to 500) Ω range)
- RTI2** (Adjustable 0 to (500 to 2200) Ω range)
- RTI3** (Adjustable 0 to (2200 to 5000) Ω range)

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: RTI2