DEVAR Inc.

RESISTANCE TRANSMITTER RTD (SINGLE/DUAL) POTENTIOMETER Mini-Pak MODEL 18-212A

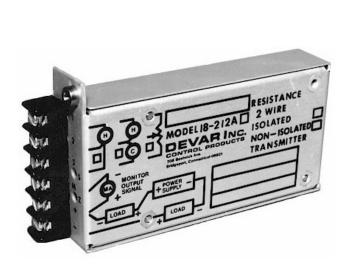
- * ISOLATED OR NON-ISOLATED
- * PT 100, COPPER, NICKEL RTD OR UP TO 10,000 OHM SLIDEWIRE INPUT
- * FULLY RFI PROTECTED
- * INTRINSICALLY SAFE



GENERAL DESCRIPTION

Where space and cost are determining factors, the Mini-Pak[™] transmitter line is the logical choice. This highly accurate (0.1%) fully RFI protected unit accepts inputs from two or three wire RTDs, 0 to 10K Ohm variable resistors or differential resistance hookups. These signals are then converted to an output current, proportional to the input signal. This current output is fully compatible with applications for recording, controlling or interfacing with process computers.

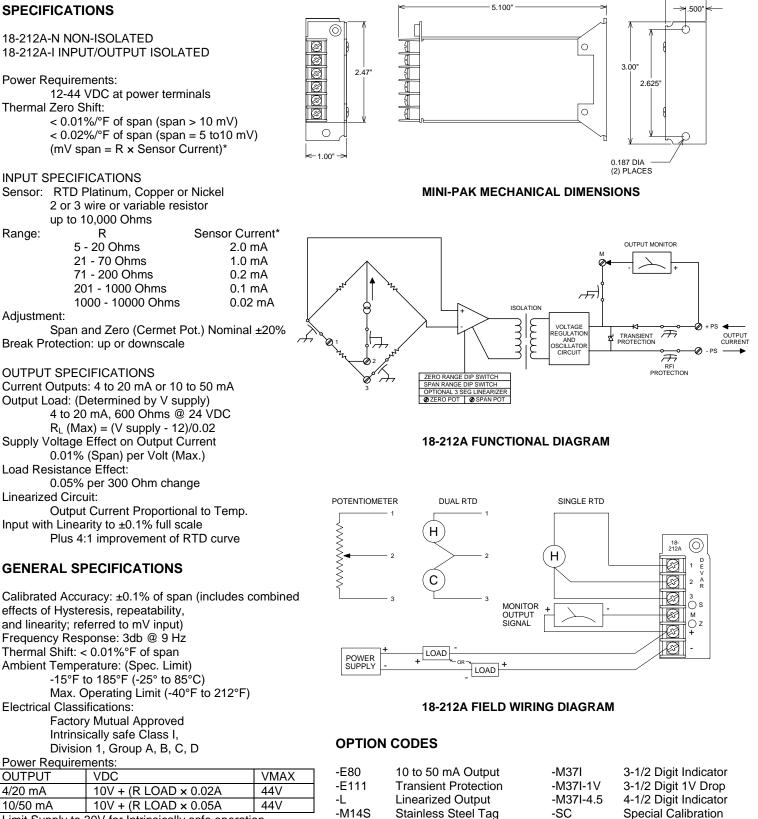
The Mini-Pak two wire transmitter may be mounted in an area where power is not available. It provides an output current of 4 to 20 mA proportional to the input signal. Its output signal loop is designed to connect with only two copper wire leads that carry the power to operate the transmitter from a power supply, and also the output current. The output current, proportional to the input signal, is then used for recording, computing or controlling.



The unit has reverse supply polarity protection and is designed to operate with a wide range of supply voltages (12 to 44 VDC). An important feature allows monitoring of the output during calibration without disconnecting the output wiring. By placing a meter between the (+) output terminal and the terminal marked "M" the current output may be observed directly.

The 18-212A receives signals from single RTD, dual RTD, or a potentiometer and provides an output current of 4 to 20 mA proportional to the input resistance. The output current can be programmed to go upscale or downscale when any RTD circuit opens. The instrument also provides a three segment linearizing circuit. This circuit linearizes the output current with respect to the sensed temperature of the RTD to assure proper digital readout.

The 18-212A is available in isolated (-I) or non-isolated (-N) versions. In the isolated version, the input is electronically isolated from the current output and power supply via magnetic coupling.



DIN Rail Mount

Explosion Proof Housing

-M31D

-M37A

Limit Supply to 30V for Intrinsically safe operation for intrinsically safe operation Stray Rejections:

> Transverse: 30 db @ 60 Hz Common Mode: 115 db @ 60 Hz Negligible from 20 MHz to 500 MHz

RFI: Negligible from 20 MHz to 500 MH per SAMA PMC 33.1-1978, 2abc

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-ST4

DEVAR Inc.

SnapTrack, 12"

SnapTrack, 48"

← 1.00" →