

ADC311RA Scale Inverter

- Suitable for combinations of process inputs and outputs.
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc
Voltage source up to 10V. Max current 20mA

Function

I/P = 0 – 100% O/P = 100 – 0%

Isolation

1000V RMS Input/Output/Supply
(500Vdc if RFI option (K) is specified)
Linearity $< \pm 0.1\%$

Environmental Conditions

Storage Temperature: -40°C to $+70^{\circ}\text{C}$
Operating Ambient: -15°C to $+55^{\circ}\text{C}$
Relative Humidity: 5% to 95% RH

Options

J = An input jack for injecting an external signal into the input without disturbing the loop.

DI = A 3 ½ LCD digit display of the input or output in units to suit.

K = RFI Protection to IEC61000-4-3

Typical Input

Current 4-20mA 20 Ω
Voltage 0-10Vdc 1M Ω

Typical Output

Current 20-4mA load 1200 Ω
Voltage 10-0Vdc load 500 Ω

Dimensions

50w x 75h x 110d (mm)

WIRING

