

ADM237X Process Signal Transmitter

- Suitable for SIL 1, 2 & 3 applications
- 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 input up to 300mA

Excitation voltage 24V @350mA max

Output

Any standard process current or voltage

Current source up to 20mA. Drive voltage 24Vdc

Voltage source up to 10V. Max current 20mA

Isolation

1000V RMS* Input/Output/Supply/Earth

*(500Vdc if RFI option (K) is specified)

Linearity $< \pm 0.1\%$

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

Options

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

DI = A 3½ digit display of the input or output in units to suit

K = RFI Protection to IEC61000-4-3 ($< 10V/m$) available

Typical Input

Current 4-20mA 20 Ω

Current 0-300mA 1M Ω

Typical Output

Current 4-20mA load 1200 Ω

Voltage 0-10Vdc load 500 Ω

Dimensions

50w x 75h x 110d (mm)

WIRING

