

ADM240GRA-EX Transmitter/Isolator with Barrier

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any potentiometer input
- 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

Reverse acting Input: 16.325Kohms to 1.224Kohms from Thermistor, via Barrier (Representing 0 to $+60^{\circ}\text{C}$)

Output

Voltage source up to 10V. Max current 20mA
(Isolated representation of Input Thermistor signal to Temperature Controller module)

Isolation

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

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Input Signal / Output Drive

Typical Input

5K Ω valve position feedback potentiometer

Typical Output

Current 4-20mA max load 1200 Ω
Voltage 1-5Vdc min load 250 Ω

Dimensions

Transmitter/Isolator: 50w x 75h x 110d (mm)
Barrier: 12.6w x 105h x 90d mm

WIRING

