

ADM241X Dual Channel Signal Generator

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, 1oo1 architecture (HFT: 0)
- Provides two independently adjustable output signals
- Supply voltage options: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010 available with 'K' option (20-1000MHz, $\leq 30\text{V/m}$)
- AMELEC Standard 10 year warranty

Technical Specifications

Outputs

Any standard process current or voltage combinations
(The outputs may be different from each other)
Current source up to 20mA. Drive voltage 2 x 11Vdc
Voltage source up to 10V. Max current 20mA

Typical Output

Current 2x 4-20mA (max load 550 Ω)
Voltage 2x 0-10Vdc (min load 500 Ω)

Isolation

1000V RMS*. Output1/Output2/Supply/Earth
*(500Vdc if RFI option K is specified)

Performance

Supply regulation: AC $\pm 20\%$, DC $\pm 10\%$,
Supply consumption: <2VA

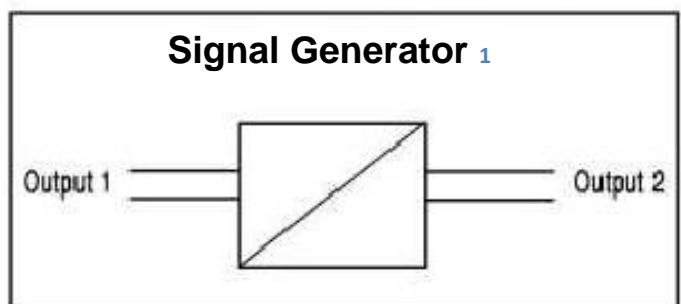
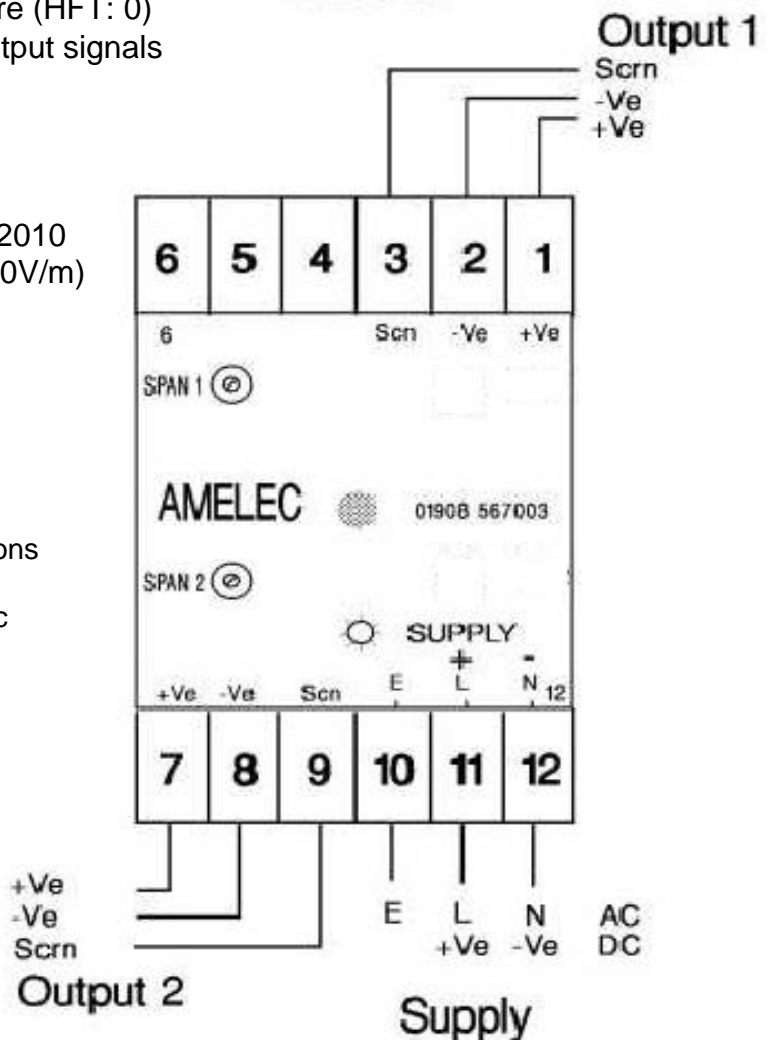
Environmental Conditions

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

Dimensions

50w x 75h x 110d (mm)

WIRING



Mounting

Either Din Rail (TS35) **or** Surface by corner fixing holes as standard