

ASM213 mV Signal Transmitter / Isolator

- Suitable for use as element in SIL 1, SIL 2 & SIL 3 rated (IEC61508) Safety System Loop applications
- Suitable for combinations of Process mV Inputs & I/V Outputs
- Supply Voltage options 24Vdc ±10% or 48Vdc ±10%
- Amelec standard 10 year warranty

TECHNICAL SPECIFICATION

Any mV signal range, up to 400mV. (Minimum 4mV calibrated Span)

Typical Input ranges:

0-4mV, 0-6mV, 0-10mV, 0-20mV, 0-25mV, 0-40mV, 0-50mV, 0-60mV, 0-100mV, 0-150mV, 40-200mV, 0-200mV, 80-400mV, 0-400mV

The current source can be up to 20mA with a drive voltage of 20V. The voltage source can be up to 10V, maximum drive 20mA.

The current output can be configured as a sink or source port by way of connection to the output terminals. (Sink port: max 30Vdc external loop supply)

Typical Output ranges:

0-1mA, 0-10mA, 0-20mA, 4-20mA, 0-1V, 0-2V, 1-5V, 2-10V, 0-10V dc

Performance

Isolation: 1000V RMS Input/Output/Supply

Accuracy: <±0.1% Span Linearity: <±0.1% Span Response time: <100mS Input Over range: <300%

Input O/C response: Upscale or Downscale drive option (TBA) Controls: Zero/Span potentiometers (<20% span adjustment)

Indicator: Power ON (Amber LED)

DC Supply variation: ±10%

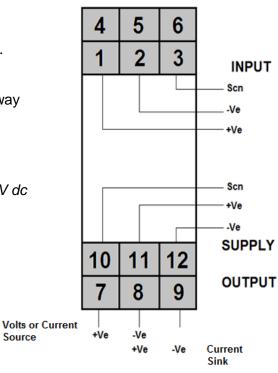
Environmental Conditions

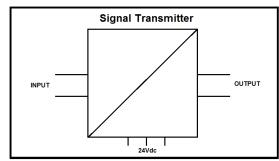
-40 to 70°C Storage Temperature: Operating Ambient: -15 to 55°C Relative Humidity: 5 - 95% RH

Dimensions

22.5w x 75h x 110d mm







Source

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