

ASM210 Thermocouple Transmitter / Isolator

- Suitable for SIL 1 & SIL 2 rated (EN 61508-2) Safety Instrumented System (SIS) Loop applications, as 1001 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply Voltage options 24Vdc ±10% or 48Vdc ±10%
- Amelec standard 10 year warranty

TECHNICAL SPECIFICATION

mV signal developed from any thermocouple type; J, K, N, R, S or T, with a minimum 4mV span.

Automatic Cold Junction compensation as standard.

Output

The current source can be up to 20mA with a drive voltage of 20V. The voltage source can be up to 10Vdc, 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: 4-20mA (max load 1000Ω) or 0-10Vdc (min load 500Ω)

Performance

Isolation: 1000V RMS Input/Output/Supply Accuracy/Linearity: <±0.1% mV Span

Response time: <200mS Input Over range: <300%

Input O/C response: Up or Downscale drive may be specified Controls: Zero/Span potentiometers (±20% span adjustment)

Indicator: Power ON (Amber LED)

DC Supply variation: ±10% Supply consumption: <3VA

Environmental Conditions

Storage Temperature: -40 to +70°C

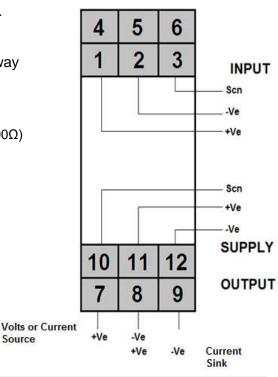
Operating Ambient: -15 to +55°C
Relative Humidity: 5 – 95% RH (Non-Condensing) EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

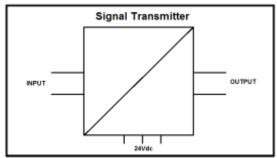
Mounting / Dimensions

Din Rail (TS35)

Enclosure: 22.5w x 75h x 110d mm







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