

ADW513 mV Input Two Wire 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
- RFI Protection to EN 61000-4-3:2006/A2:2010 available ('K' option)
- AMELEC Standard 10 year warranty



The ADW513 is an isolated mV input signal two-wire transmitter. As the input signal varies from 0 to 100%, the supply current is modulated from 4-20mA.

General Specifications

(Optimum operating conditions with output loop supply voltage @24Vdc)

Input

Any mV signal range, up to 400mV span. Typically: 0-20mV, 0-50mV or 0-100mV dc (impedance $250k\Omega$)

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Nominal 24Vdc, can vary from 12V to 50Vdc.

The maximum line resistance is determined by the Output loop Supply Voltage.

Performance

Accuracy/Linearity: <±0.1% Span Response Time: typically <100mS

Protection

Isolation: 250V RMS Input/Supply Input over range: up to typically 300%

Input Open Circuit response: Up or Downscale drive option

(to be specified at time of orders)

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) ('K' option: EMC/EMI/RFI protection to the highest Generic

Industrial Standards Test levels)

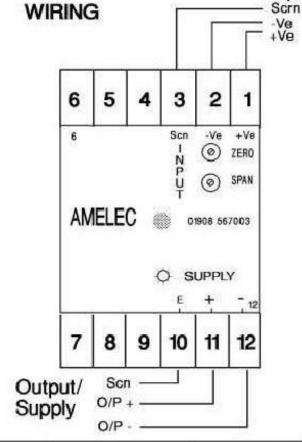
Mounting

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

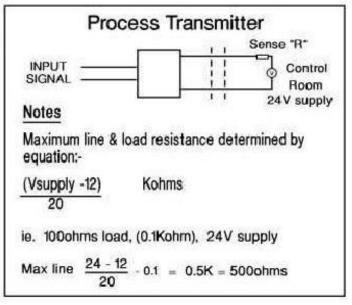
Dimensions

50w x 75h x 110d mm

(**K** option enclosure = $50w \times 75h \times 182d \text{ mm}$)



Input



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