

ASW521-UUK RTD Two-Wire Transmitter

- Suitable for use as element in SIL 1 & SIL 2 rated (EN 61508) Safety Instrumented System Loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type 'A' instrument
- Supply Voltage nom **24Vdc** $\pm 50\%$
- Amelec standard 10 year warranty

TECHNICAL SPECIFICATION

Input

From 2 / 3-wire PT100 RTD, with a temperature span greater than 25°C

(PT130 / PT500 / PT1000 input options available on request)

Typical Input ranges:

0-50°C, 0-100°C, 0-150°C, 0-250°C, -20 to +35°C, -10 to +120°C

Output / Supply

As the input temperature signal varies from 0-100% of calibrated range, the supply current is modulated from 4mA to 20mA.

Nom 24Vdc output loop Supply, although may vary from 12V to 36Vdc.

The maximum line resistance is determined by the supply voltage level.

Performance (@nom.24Vdc supply)

Isolation: 250V RMS Input/Supply

Accuracy: $< \pm 0.1\%$ resistance Span

Linearity: $< \pm 0.1\%$ resistance Span

Response time: $< 400\text{ms}$

Input Over range: $\leq 300\%$

DC Supply variation: $\pm 50\%$

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

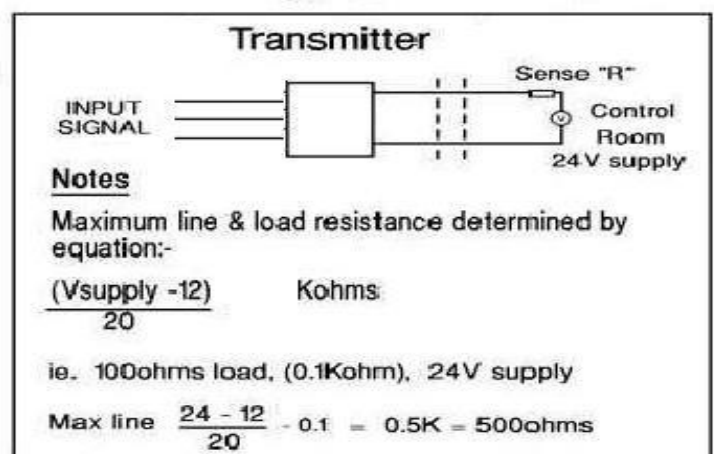
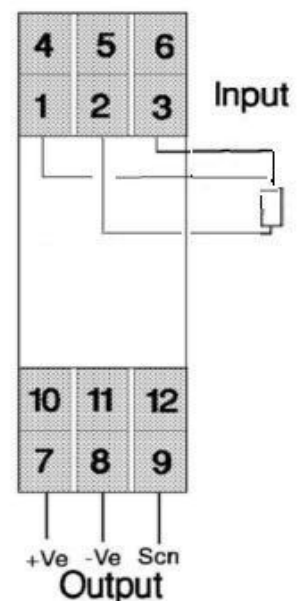
EMC: 2014/30/EU, EN 61326-1:2013 (controlled EM)

Dimensions

22.5w x 75h x 110d mm



WIRING



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