

ADW521 RTD Two Wire Temperature Transmitter

WIRING

Description

The ADW521 RTD input Two-Wire Transmitter is suitable for use as an element in SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, as 1oo1 architecture (HFT:0). As the input Temperature signal varies from 0 to 100%, the supply current is modulated from 4-20mA. Warranty: 10 Years.

Technical Specifications

Input

Any Temperature range from a 2 or 3 Wire RTD may be specified, with a calibration span greater than 50°C.

Typical example Input ranges

-20 to +30°C, 0-60°C, 0-100°C or 0-150°C 3 Wire RTD

Supply

Nominal 24Vdc (Can vary from 12 to 36V dc)

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

Performance

Accuracy/Linearity:< ±0.1% resistance span</th>10 - 90% Time constant:< 400mS</td>Isolation:250V RMS Input/Supply

Optimum operating conditions when supply voltage 24Vdc

Environmental Conditions

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

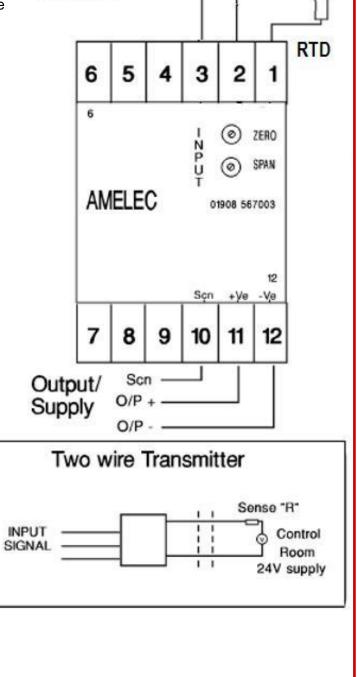
Dimensions

50w x 75h x 110d (mm)

Mounting

Din Rail (TS35) or Surface by corner fixing holes

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Input