

ADW521 RTD Two Wire Temperature Transmitter

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: $\pm 0.1\%$ resistance span
 10 - 90% Time constant: <math>< 400\text{ms}</math>
 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

