

ADM226DI RTD Trip / Transmitter with Display

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508) safety system loop applications
- Suitable for 2, 3 & 4 wire resistance temperature sensors (BS1904)
- Supply voltage options: 115Vac $\pm 20\%$
230Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010 available ('K' option)

Technical Specifications

Input

From 2 or 3 wire RTD sensor (PT100) with a span greater than 25°C. Third wire compensation as std to overcome lead resistance variation
(4-wire RTD & PT500 or PT1000 input options available on request)

Analogue Output

Any standard process current or voltage signal
Current source up to 20mA @11Vdc
Voltage source up to 10V @20mA

Relay Outputs

The unit has two trip outputs, N.C or N.O. contacts, rated at 250VAC, 2A, 100VA (resistive).
(S.P.C.O contacts available for Trip 2 with DC supply options)
Red LED indication of Relay status, Extinguish in Trip state
Display of the input signal on a 3½ digit LCD, with front fascia
Read buttons to show the trip set points.
Display Calibration Range: -1999 to +1999.

Isolation

1000V RMS* Input/Output//Contacts//Supply/Earth
(*500Vdc when 'K' option RFI protection is specified)

Performance

Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: <400mS
Input O/C response: Upscale drive as std

Environmental Conditions

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

Dimensions

50w x 75h x 145d mm
(RFI protection 'K' Option enclosure = 182d mm)

