

ADM226 RTD Trip Transmitter

- Suitable for SIL 1 & SIL 2 rated (EN61508-2) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to EN 61000-4-3:2006/A2:2010 available ('K' option)
- Front fascia Digital Display also available ('DI' option)
- Non-Smart / Non-uProcessor, Type 'A' instrument
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any 2 or 3 wire PT100 RTD sensor.
Third wire compensation as standard to overcome any lead resistance variation (Min range 0-25°C).
(PT130, PT500 or PT1000 input options also available)

Analogue Output

Any standard process current or voltage signal. Current source up to 20mA with Drive voltage 11Vdc, Current sink up to 20mA, $\leq 30Vdc$ External Voltage source upto 10Vdc, max current 20mA
Typical Output options: 0-20mA or 4-20mA (max load 550 Ω), or 0-5Vdc (min load 250 Ω) or 0-10Vdc (min load 500 Ω)

Relay Outputs

3wire input unit has 1 x SPCO & 1 x C.O (N.C or N.O) trip output relay contacts, rated at 250VAC, 2A, 100VA (resistive) as std
Red LED indication of each Relay status; ON Energised/healthy, Extinguished in Trip/De-energised state as standard.

Performance

Isolation: 1000V RMS* Input/Output/Contacts/Contacts/Supply
*(500Vdc when RFI protection 'K' option is specified)
Accuracy/Linearity: $\pm 0.1\%$ resistance span
Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: <400mS as std (0-100% input step change)
Supply consumption: <4VA
Input O/C response: Upscale drive as standard
(input O/C Downscale drive option 'X' available)
'K' option RF Immunity: 20MHz-3GHz/5.25GHz 10V/m,
80MHz-1GHz/5.6GHz 30V/m, 889MHz/1.75GHz 40V/m.

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 to the highest Generic Industrial levels)

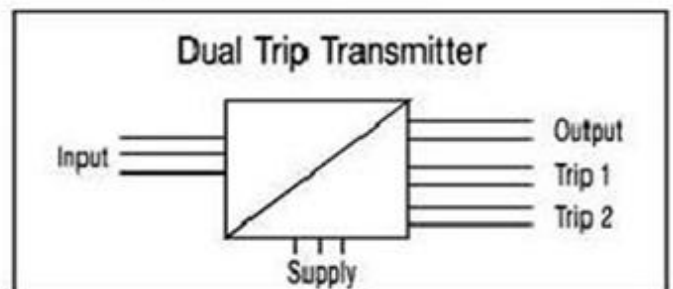
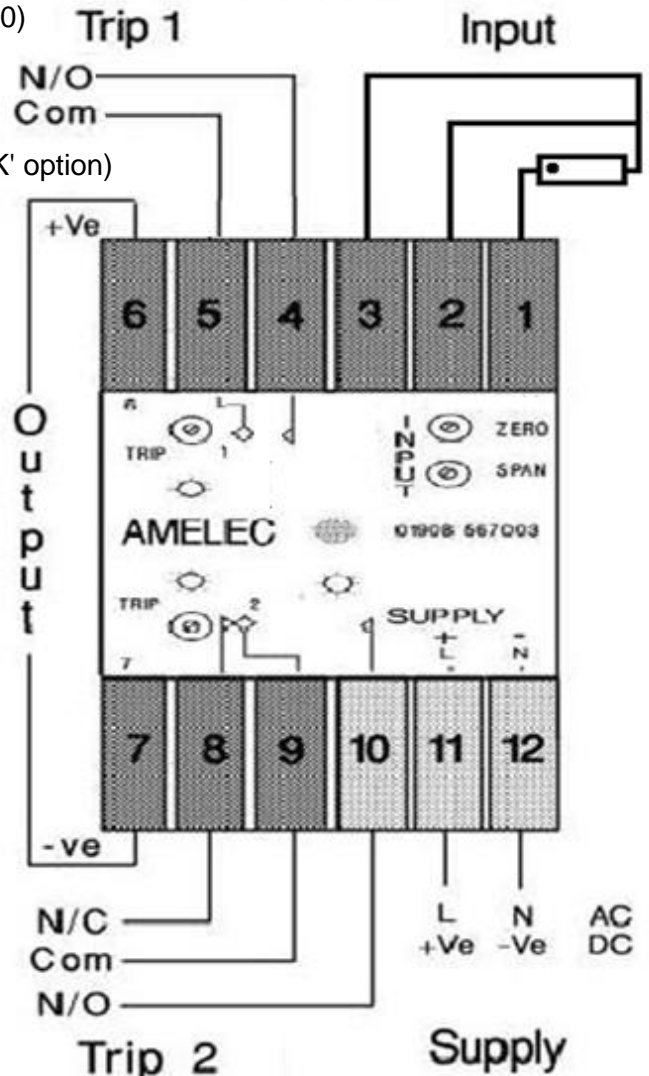
Dimensions

50w x 75h x 110d mm
('DI' option enclosure= 50w x 75h x 145d mm, 'K' option=182d mm)

Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735

AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ

WIRING



Mounting

Either Din Rail (TS35) **or** Surface by corner fixing holes as standard.

('DI' & 'K' option units available as either Din Rail **or** Front of Panel **or** Surface by seismic Keyhole plate)