

ADM242 Slidewire / Resistance Trip-Transmitter / Isolator

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, as 1oo1 architecture (HFT:0)
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- Digital Display 'DI' option available, 3.5 digit LCD
- RFI Protection to IEC61000-4-3:2006/A2:2010 'K' option available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any Resistance/ Slidewire/ Thermistor/ Potentiometer type input, with a span of 100ohms up to 100Kohms

Typical Input

0-1000ohms or 0-10000ohms, 3 wire pot connection

Analogue Output

Any standard process current or voltage signal, Current source up to 20mA. Drive voltage 11Vdc
Voltage source up to 10V. Max current 20mA

Typical Output

4-20mA (max load 550 Ω) or 0-10Vdc (min load 500 Ω)

Trip Output

A set of S.P.C.O contacts, rated 250VAC, 2A, 100VA (resistive), Relay De-energise on High or Low Trip & Fail Safe on Loss of Power as standard
Red LED indication of relay Status
Latching Relay 'L' option available, with local Reset.

Isolation

1000V RMS*Input/Output/Supply/Earth
*(500Vdc if RFI option (K) is specified)

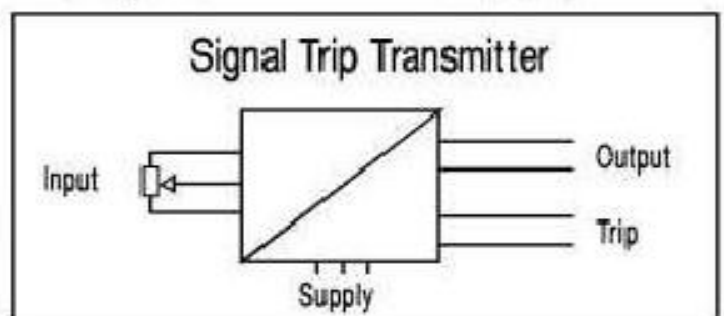
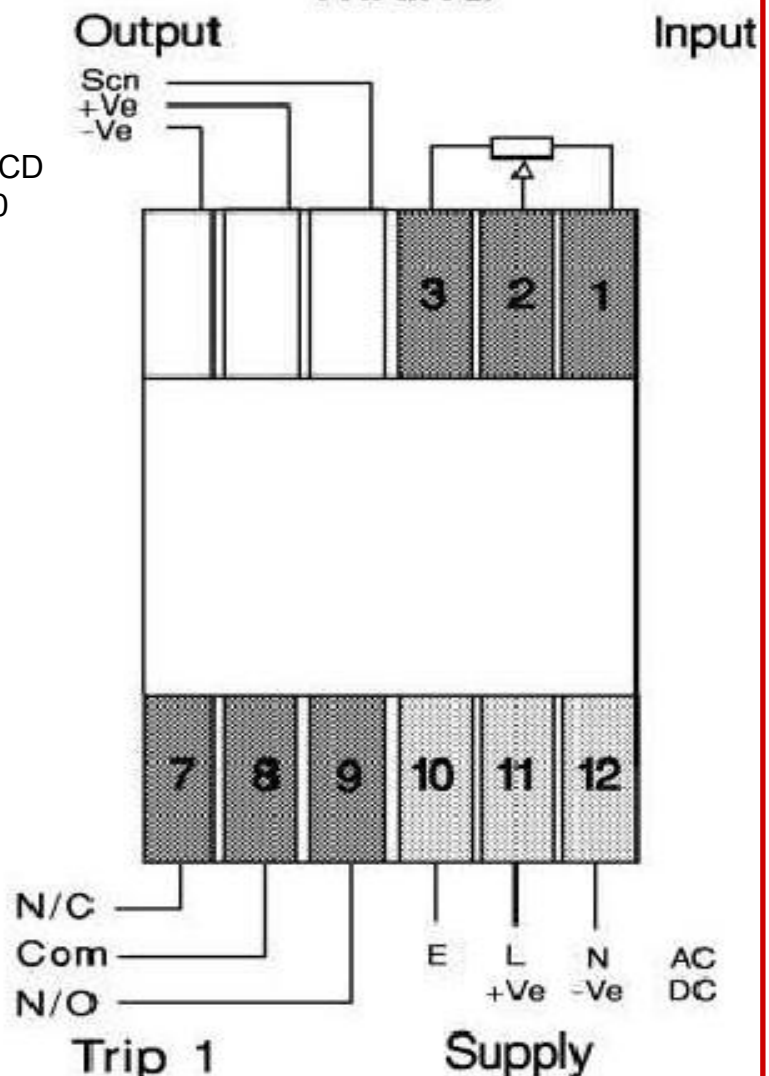
Performance

Accuracy/Linearity: $\leq \pm 0.1\%$ resistance span
(Linearisation available if required - 'G' option)
Input open circuit response: Upscale drive as std
(Downscale drive response available - 'X' option)

Environmental Conditions

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

WIRING



Mounting

Either Din Rail (TS35) **or** Surface by corner fixing

Dimensions

50w x 75h x 110d mm standard enclosure
(DI option = 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