

ADM232DIK (BI)(M)(V)(L)(X) Process Trip Transmitter with Display

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN 61508-2) safety system loop applications
- Non-Smart/Non-uProcessor based instrument (Type A)
- Supply voltage options:

115Vac	±20%
240Vac	±20%
24Vdc	±10%
48Vdc	±10%
- RFI Protection to EN 61000-4-3:2006/A2:2010
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage (DC) signal that can be terminated in a PI network to produce a 400mV span

Analogue Output

Any standard process current or voltage signal. Current source up to 20mA, Drive voltage 11Vdc. Current sink up to 20mA, 30Vdc max External drive. Voltage source up to 10Vdc, Max current 20mA

Trip Output

A set of single pole changeover contacts, rated at 250VAC, 3A, 100VA (resistive). Latching relay option 'L' available with Local or Remote Reset. Red LED indication of Relay status, ON Energised/ Extinguished in Trip De-energised state as standard. (Red/Green BI-colour LED optional)
Display of the Process Input on the front fascia 3½ digit LCD standard, with up to 4½ digit Red LED Display option also available.
Read button or Toggle switch shows the trip set point on the display.

Isolation

500Vdc Input/Output/Contacts/Supply/Earth

Performance

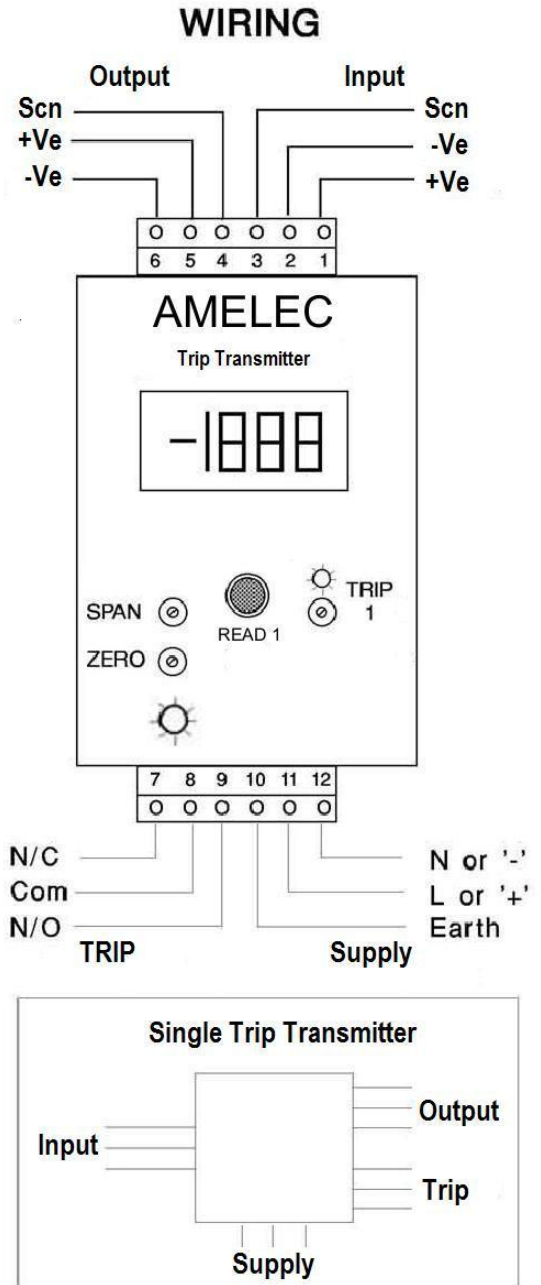
Accuracy/Linearity: ±0.1%
Trip settability: ±0.1%
Trip repeatability: ±0.1%
Deadband: 1% standard ('V option adjustable 1-20% span available)
Response time: <100ms
Supply consumption: 3VA
EMC: 2014/30/EU; EN 61326-1:2013 (Generic Industrial Levels)
Input O/C response: Downscale drive as standard
Fail Safe Relays: De-energise on Trip & Loss of Power as std

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH
RF Immunity: 20MHz-3GHz/5.25GHz ≤10V/m,
(80MHz-1GHz/5.6GHz ≤30V/m, 889MHz-1.75GHz ≤40V/m)

Additional Options available

- 'X' = Input O/C response Upscale drive
- 'M' = 24Vdc @22mA 2-wire Input loop Excitation



Mounting/Dimensions

DIN Rail (TS35) as standard
Enclosure Dims: 50w x 75h x 182d mm.

Surface by seismic keyhole plate (50w x 130h mm) & front of panel mounting options also available

Customer connections via screw terminal blocks towards rear of enclosure (Fixed or plug-in optional)

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