

ADM232XDI (BI)(M)(V)(L)(X)(K) Process Trip-Transmitter with Display

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

| | |
|---|-------|
| 115Vac | ±20% |
| 240Vac | ±20% |
| (Amber power ON indicator) 24Vdc | ±2.5V |
| 48Vdc | ±5V |
- RFI Protection to EN 61000-4-3:2006/A2:2010 optional ('K')
- 24Vdc @22mA two-wire Input loop Excitation optional ('M')
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any standard process 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. with Drive voltage 11Vdc. Current sink up to 20mA, with External Drive ≤30Vdc. Voltage source up to 10V, max current 20mA.

Trip Output

A pair of Changeover contacts (N.O &/or N.C may be specified), 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 front fascia 3½ digit **LCD** or up to 4½ digit Red **LED** Display options available.

Read button or Toggle switch shows the Trip Set Point on the display

Isolation

1000V RMS*. Input/Output/Contacts/Supply/Earth

*(500Vdc when RFI protection option K is specified)

Performance

Accuracy/Linearity: ±0.1%

Trip settability: ±0.1%

Trip repeatability: ±0.1%

Deadband: 1% span as std (adjustable 1-20% span optional 'V')

Response time: <100mS as std

Supply consumption: <4VA

Input O/C response: Downscale drive as standard

(O/C Upscale drive option 'X' available if required)

Fail Safe Relays: De-energise on Trip & Loss of Power as std

Environmental Conditions

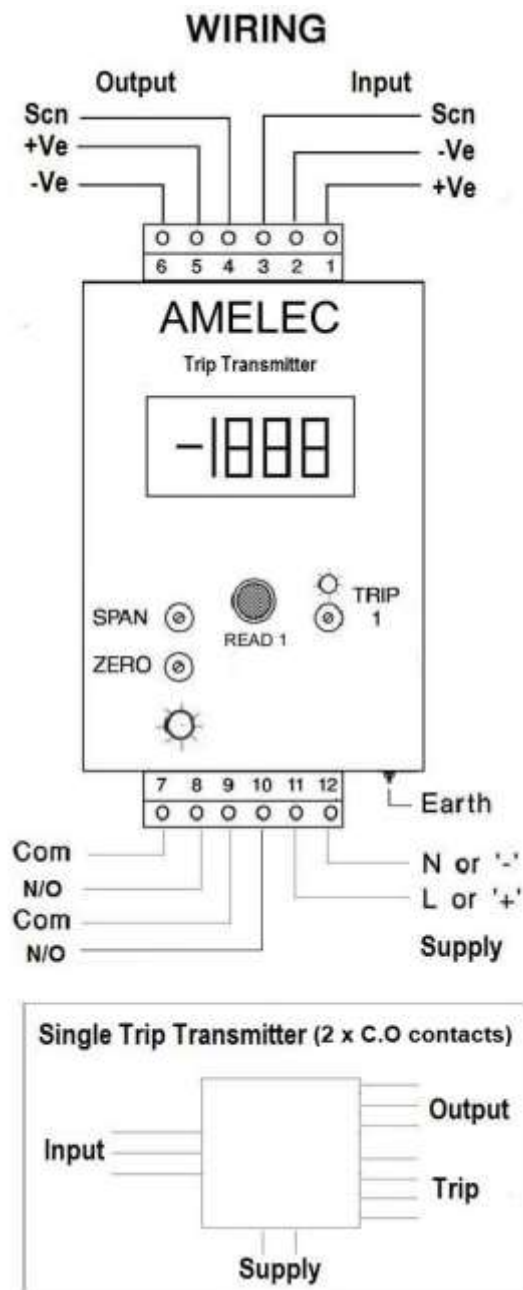
Storage Temperature: -40 to +70°C

Operating Ambient: -15 to +55°C

Relative Humidity: 5 – 95% RH (Non-Condensing)

EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

('K' option to the highest Generic Industrial levels)



Mounting/Dimensions

DIN Rail (TS35) as standard

Enclosure Dimensions: 50w x 75h x 146d mm.

('K' option enclosure = 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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