

ADM233X-3 DI(BI)(X)(K) PROCESS TRIP TRANSMITTER WITH DISPLAY

- Suitable for SIL 1, 2 & 3 (IEC61508) applications
- Suitable for process I/V inputs
- Supply voltages: 24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Trip Outputs

TRIP 1: N/O or N/C contact

TRIP 2: N/O or N/C contact

TRIP 3: N/O or N/C contact

The outputs are rated at 250VAC, 2A, 100VA (resistive)

Red LED indication of Relay status standard.

(Red/Green BI-colour LED optional)

Trip 1, 2 & 3 set points adjustable by 15 turn potentiometers through front fascia.

Display of the I/P on a 3½ digit Liquid Crystal Display.

Front fascia Read buttons show trip 1 and trip 2 set points

Calibration Range: -1999 to +1999

Analogue Output

Any standard process current or voltage. Current source up to 20mA. Drive voltage 11Vdc. Current sink to 20mA.

Drive at 30Vdc. Voltage source up to 10V, Max current 20mA.

Isolation

1000V RMS*Input/Contacts/Supply/Earth

*(500Vdc if RFI option (K) is specified)

Performance

Deadband: 1% standard

(Wider hysteresis optional fixed up to 50%)

Trip settability: $\pm 1\%$

Trip repeatability: $\pm 0.1\%$

Response time: <100mS

I/P O/C response DOWNSCALE as standard

Fail safe on loss of power

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

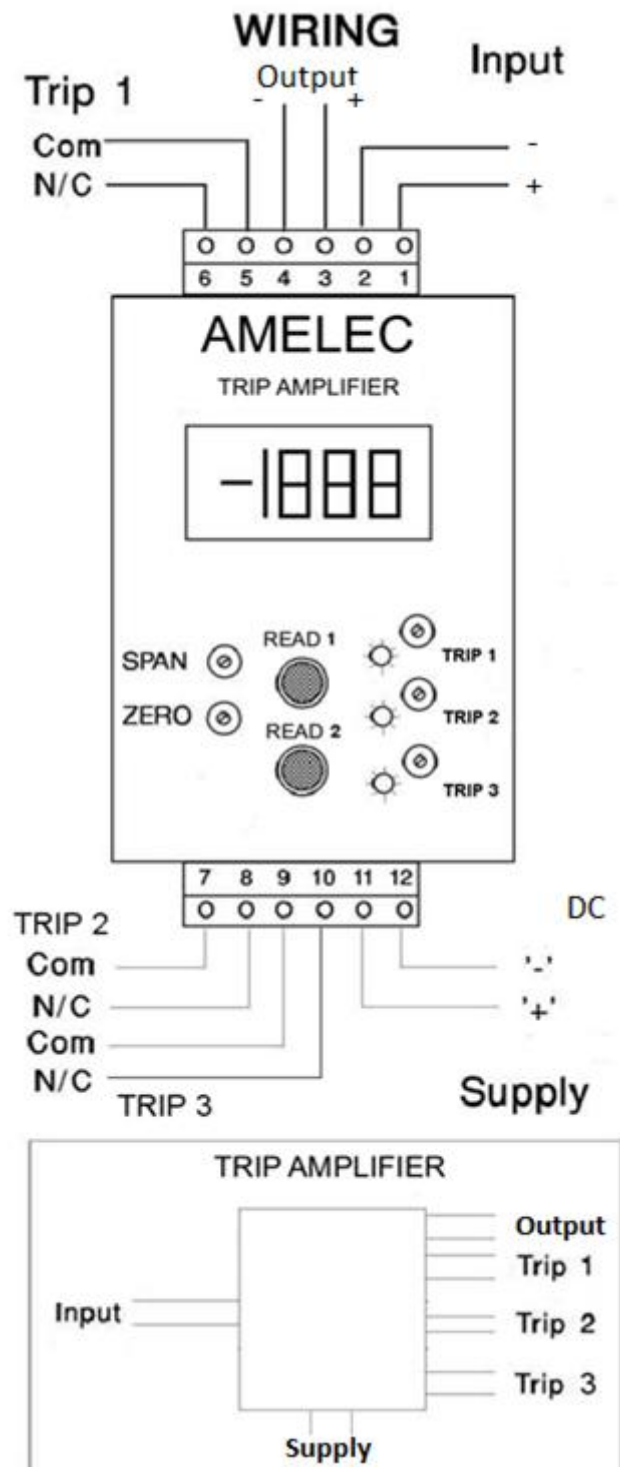
Relative Humidity: 5 – 95% RH

Mounting/Dimensions

50w x 75h x 145d (mm)

RFI 'K' option = 182d (mm)

Standard DIN Rail or Surface Seismic Keyhole plate and Front Panel options available.



Customer Termination

Fixed screw terminals as standard
(Plug-in terminals optional)

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