

ADM233DIKX Process Dual Trip Transmitter with Display

- Suitable for SIL 1, SIL 2 & SIL 3 rated safety system loop applications (IEC61508-2)
- Supply voltage options: 24Vdc or 48Vdc +/-10%
RFI Protection to IEC61000-4-3:2006/A2:2010 (20-3000MHz10V/m, 20-1000MHz 20V/m)
- 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.

Typical Input

Current 4-20mA (impedance 20 Ω)
Voltage 0-10Vdc (impedance 1M Ω)

Analogue Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 11Vdc
Current sink up to 20mA. Drive at 30Vdc
Voltage source up to 10V. Max current 20mA

Typical Output

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

Trip/Relay Outputs

Each output is a set of SPCO contacts, rated at 250VAC, 3A, 100VA resistive.
Failsafe on loss of power

Display

A 3½ digit LCD. The display normally shows the input signal scaled as either 0-100.0% or in Engineering units. Operating the Read buttons will show the trip set points within the range on the display.

Isolation

500Vdc Input/Output/Contacts/Contacts/Supply/Earth

Accuracy/Linearity: $\leq \pm 0.1\%$

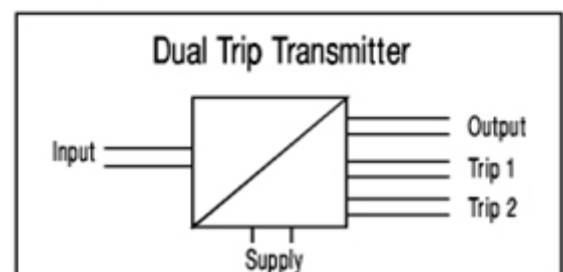
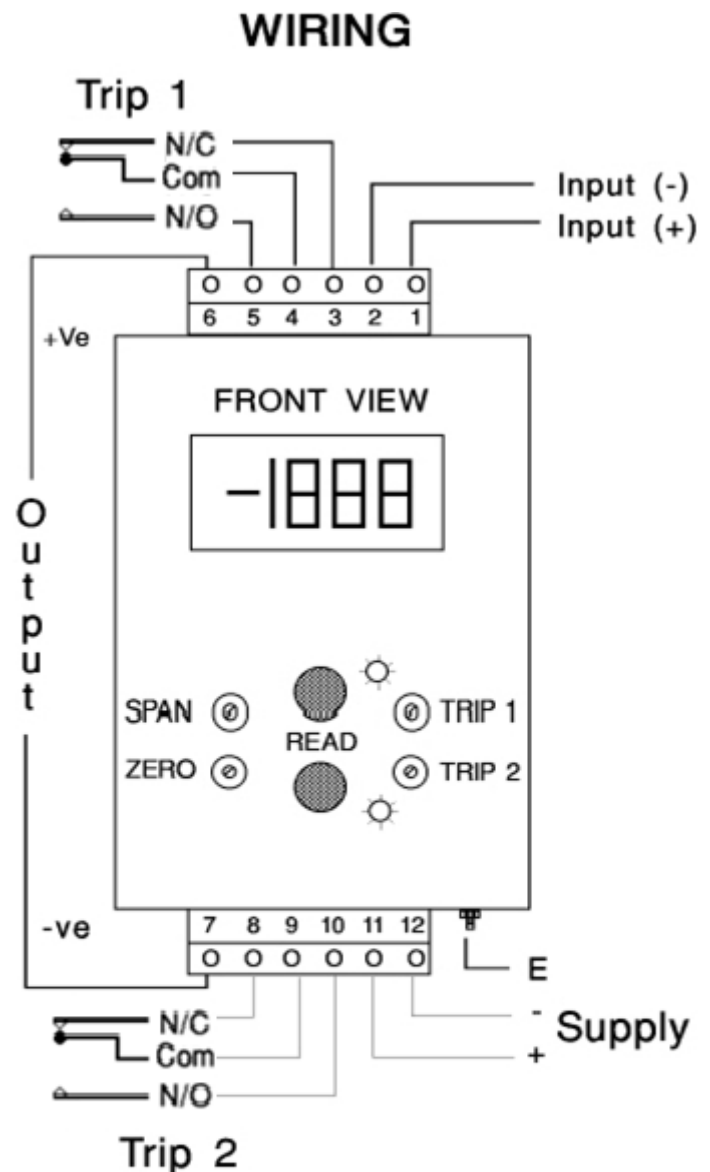
Input open circuit response: Upscale drive/ (High Trip)
Downscale drive option available on request

Environmental Conditions

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

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Dimensions / Mounting Options

Heavy duty Din Rail as standard.
Enclosure: 50w x 75h x 182d mm.
Surface by Seismic Keyhole plate option available
(mounting plate 50w x 130h mm)