

ADM232DI(BI)(M)(V)(L)(X)(K) Process Trip Transmitter with Display

- Suitable for SIL 1, 2 & 3 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

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

Trip Output

A set of double pole changeover contacts, rated at 250VAC, 3A, 100VA (resistive). Latching relay option available with Local or Remote reset. Red LED indication of Relay status standard (Red/Green BI-colour LED optional)
Display of the Process I/P on a 3½ digit LCD front facia
Read button shows the trip set point
Calibration Range: -1999 to +1999

Isolation

1000V RMS*. Input/Output/Contacts/Supply/Earth
*(500Vdc if RFI option (K) is specified)
I/P O/C response DOWNSCALE as standard
Fail safe on loss of power

Performance

Deadband: 1% standard (variable 1-20% optional)
Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: <100ms

Environmental Conditions

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

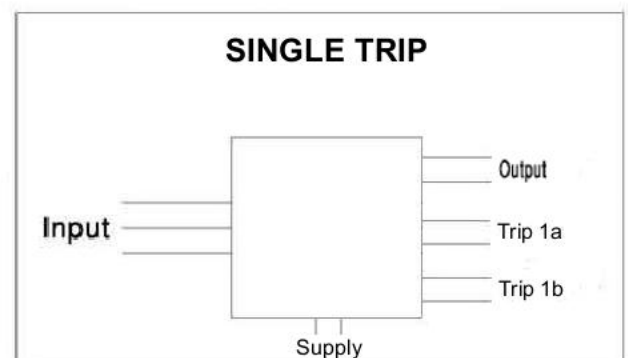
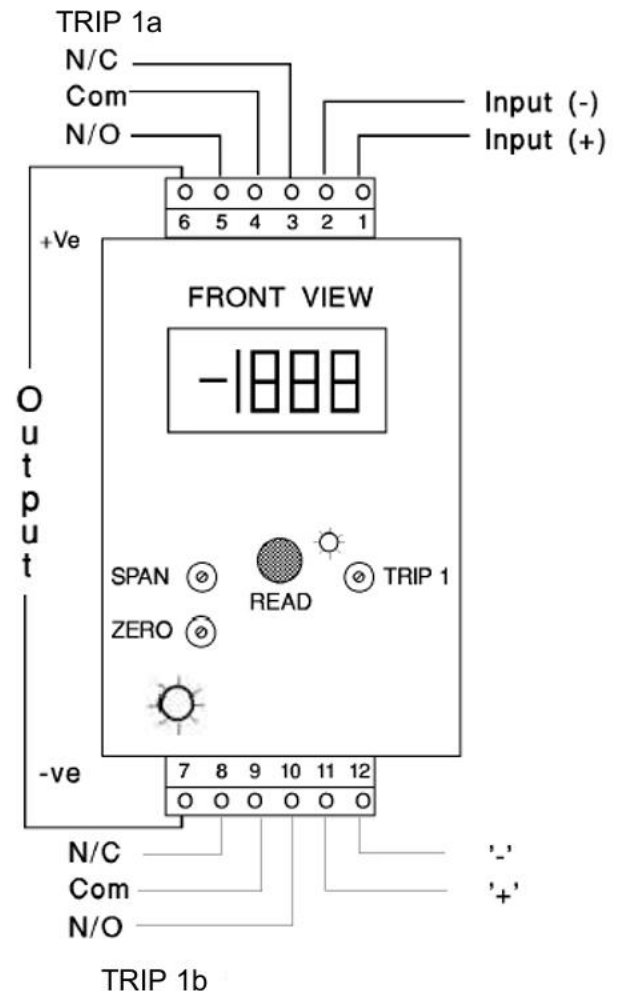
Additional Options available

- I/P/ O/C response UPSCALE drive
- 24Vdc @22mA I/P loop excitation

Dimensions

50w x 75h x 145d (mm) – RFI 'K' option = 182d mm

WIRING



Mounting

Standard DIN RAIL or Surface Keyhole plate & Front Panel options available.

Customer Termination

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