

ADM232X-2 Process Signal Trip Transmitter/Splitter/Isolator

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN 61508) safety instrumented system (SIS) loop applications
- Supply voltage options: 24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to EN 61000-4-3:2006/A2:2010 available ('K' option)
- Digital Display available ('DI' option)
- Non-Smart / Non-uProcessor based, Type A instrument
- 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 examples; 0-1mA, 0-10mA, 4-20mA, 0-5V, 0-10V, 0-100V dc

Outputs (per channel)

Any standard process current or voltage signal,
Current source up to 20mA. Drive voltage 10Vdc
Voltage source up to 10V. Max current 20mA

Relay Output

C.O contact, rated 250VAC, 2A, 100VA (resistive) as standard.
Internally fixed set point to detect input loop signal either too Low, Open Circuit or Short Circuit,
N/O fail safe contact as standard, N/C contact option available

Isolation

1000V RMS* Input/Output/Output/Contact/Supply
*(500Vdc when RFI protection option 'K' is specified)

Performance

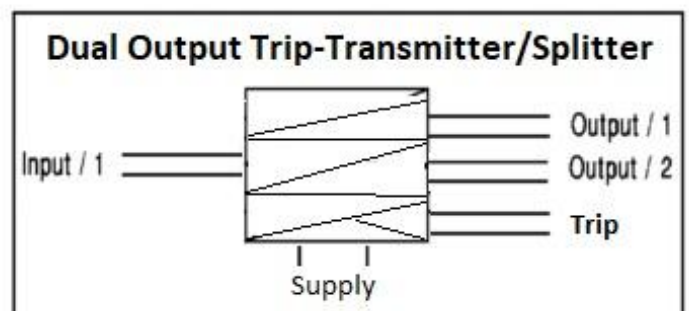
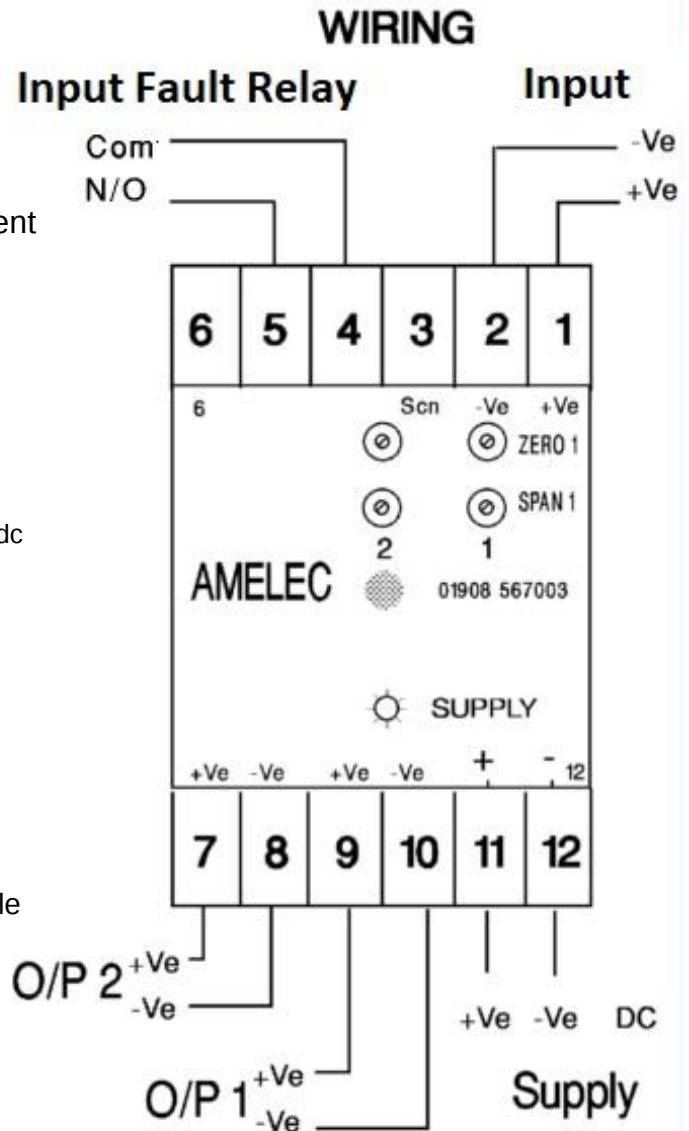
Accuracy/Linearity: $< \pm 0.1\%$
Input open circuit response: Downscale drive

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: EMC/EMI/RFI protection to the highest Generic Industrial Standards Test levels)

Dimensions

50w x 75h x 110d (mm)
(DI option = 145d mm, K option = 182d mm)



Mounting

Either Din Rail (TS35) **or** Surface by corner fixing holes as standard

Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735

AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ