

ADM231X-2 Signal Splitter/Isolator with Dual Zero/Span control

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN 61508-2) safety instrumented system (SIS) loop applications
- Supply voltage options

115Vac	±20%
240Vac	±20%
24Vdc	±10%
48Vdc	±10%
- Non-Smart/Non-uProcessor based, Type A instrument
- RFI Protection to EN 61000-4-3:2006/A2:2010 available ('K' option)
- 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.

Current: up to 100mA max (Passive port)

Voltage: up to 200Vdc max as std

Typical input range: 4 - 20mA (Passive, impedance 20Ω)

Outputs

Any standard process current or voltage combinations

(The outputs may be different from each other)

Current source up to 20mA. Drive voltage 2 x 11Vdc

Voltage source up to 10V. Max current 20mA

Typical Output ranges;

Current: 2x 4-20mA (Active ports, max loads 550Ω)

Voltage: 2x 0-10Vdc (min loads 500Ω)

PERFORMANCE

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

Response time: $\leq 100\text{ms}$ (0-100% input step change)

Isolation: 1000V* RMS Input/Output/Output/Supply/Earth
 *(500vdc if RFI protection option 'K' is specified)

Supply consumption: <3VA

Input O/C response: Downscale drive as std

(Input O/C Upscale drive 'X' option available)

Environmental Conditions

Storage Temperature: -40 to +70°C

Operating Ambient: -15 to +55°C

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

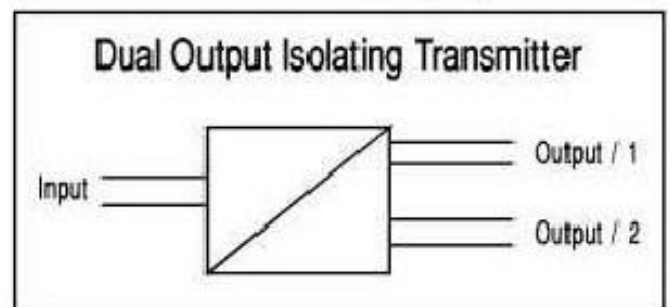
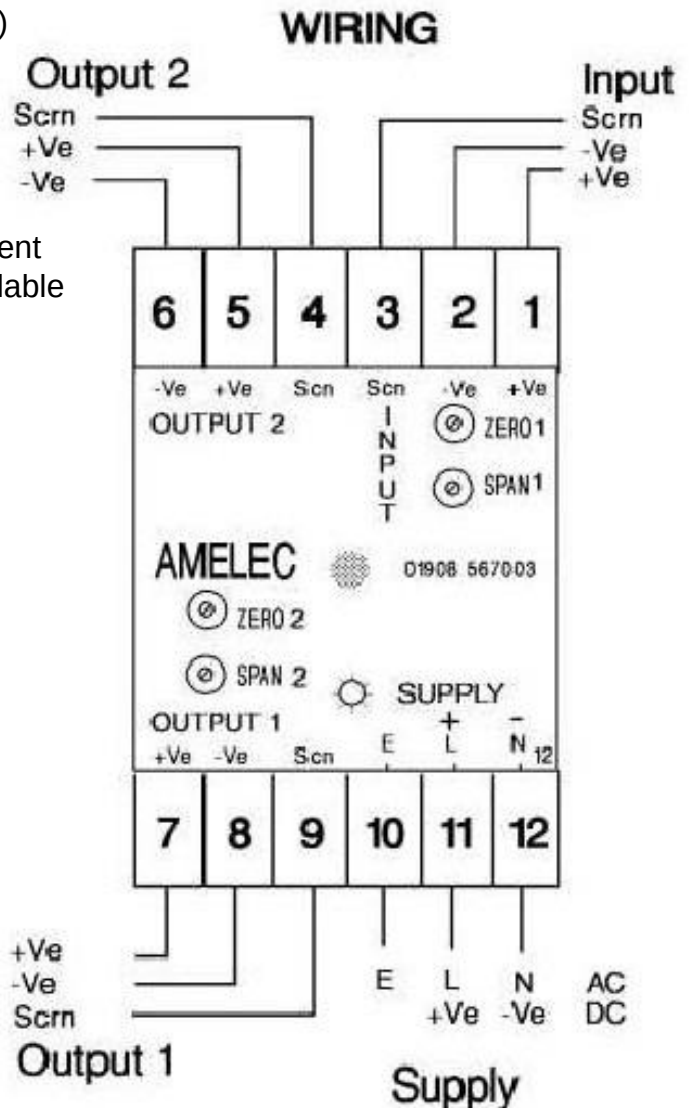
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

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

Dimensions

50w x 75h x 110d mm

('K' option enclosure = 50w x 75h x 182d mm)



MOUNTING

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