

ADC311X-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%
- Suitable for combinations of non-std process I/V inputs & outputs
- 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

Non-standard DC current / voltage can be specified in the range of:
 Current up to ±100mA max (Passive port)
 Voltage up to ±150V max
 Typical Input: -10V to 0V to +10Vdc (impedance 1MΩ)

Outputs

Different uA / mA / Voltage range for each output can be specified.
 DC current or voltage may be specified in the ranges of:
 Current up to 100mA max in Passive/Sink configuration (Externally powered)
 Current up 22mA max Active/source configuration (Internally powered)
 Voltage any up to 10V max per output.
 Typical output range: 20-12-4mA Reverse acting (≤550Ω load)

Controls (for each output channel)
 Zero / Span 15 turn potentiometers (±20%)

Performance

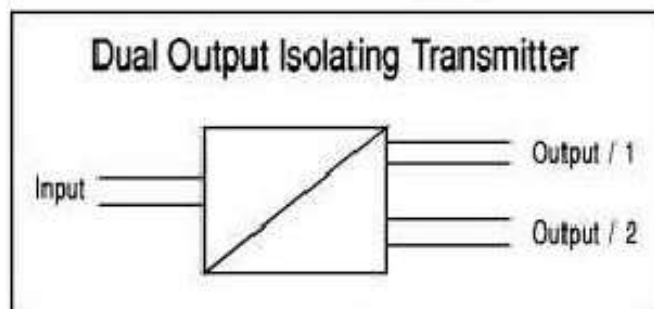
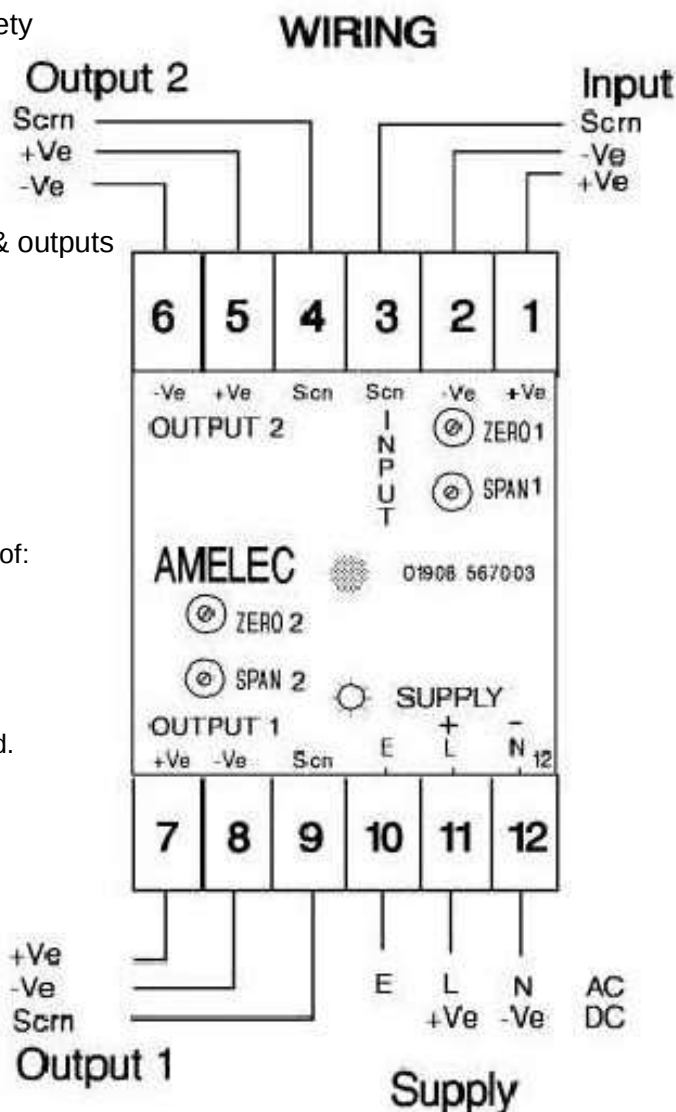
Accuracy/Linearity: ≤ ±0.1% span
 Response time: ≤100mS (0-100% input step change)
 Isolation: 1000V* RMS Input/Output/Output/Supply/Earth
 *(500vdc if RFI protection option 'K' is specified)
 Supply consumption: <3VA
 Input O/C response: Downscale drive as std
 (Input O/C Upscale drive 'X' option available)

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.