ADM213X-2 Dual Channel mV input Transmitter/Isolator

- Suitable for SIL 1, 2 & 3 rated (EN 61508-2) safety instrumented system (SIS) loop applications
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply voltage options: 24Vdc or 48Vdc +/-10% as std (AC power supply options available on request)
- AMELEC Standard 10 year warranty
- RFI Protection to EN 61000-4-3:2006/A2:2010 available

Technical Specifications (per channel)

Input (per channel)
Any mV range (up to 400mV) may be specified, with a minimum 3mV span.
Typical Input: 0-10mV, 0-20mV, 0-30mV, 0-50mV or 0-100mV dc

Output (per channel)
Any standard process current or voltage in the range of;
Current source up to 22mA max, with drive voltage 11Vdc
(Current Sink option available, 30Vdc max external drive)
Voltage source up to 10Vdc max output
Typical Output: 4-20mA (max load 500Ω) or 0-10Vdc (min load 500Ω)

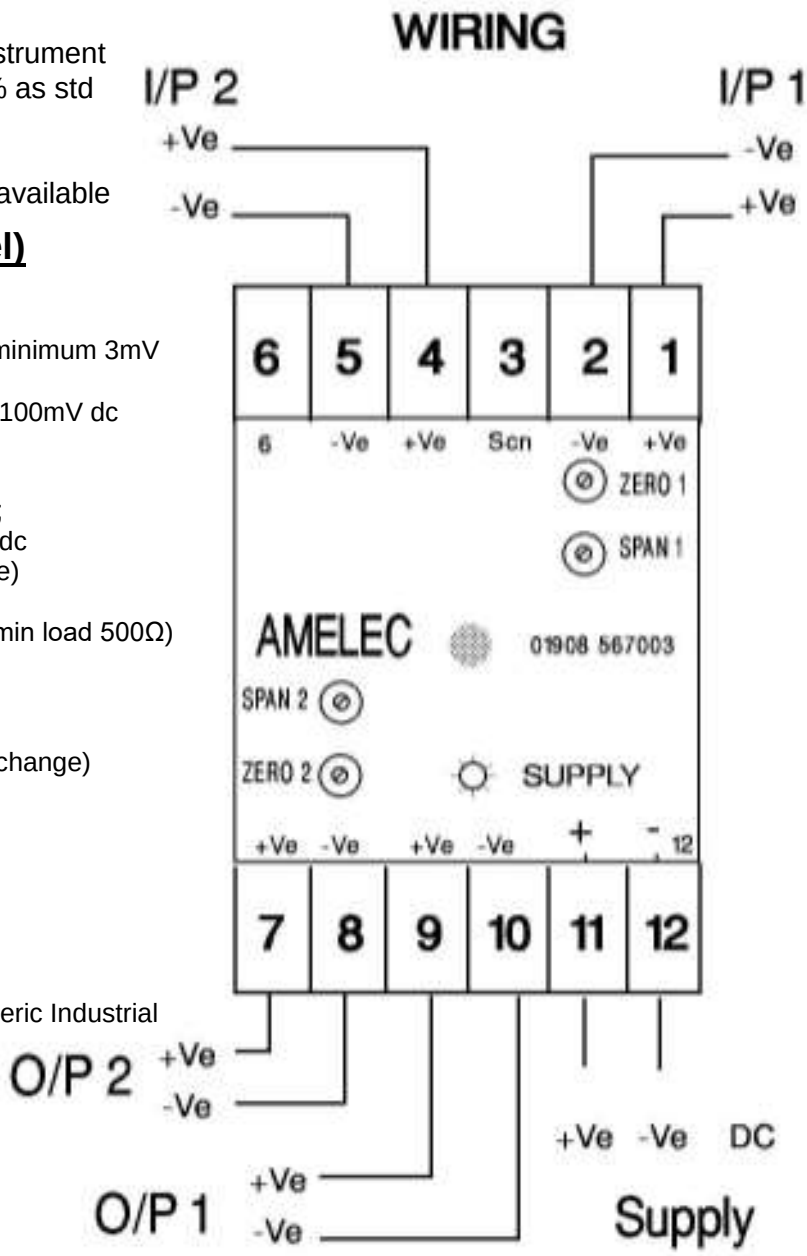
Performance
Accuracy/Linearity: <±0.1% Span
Response Time: typically <100mS (0-100% input step change)
Supply consumption: <3VA

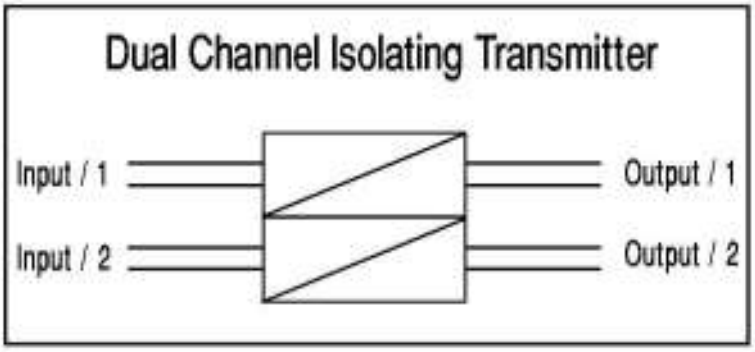
Environmental Conditions
Storage Temperature -40 to +70°C
Operating Ambient: -15 to +55°C
Relative Humidity: 5 – 95% RH (Non-condensing)
EMC: 2014/30/EU , EN 61326-1:2013 (controlled EM)
('K' option: EMC/EMI/RFI protection to the highest Generic Industrial Standards Test levels)

Protection
Isolation: 1000V RMS* Input/Output/Supply/Earth.
*(500Vdc when 'K' option RFI protection is specified)
Internal Fuse
Input over range: typically up to 300% as std
Input Open Circuit response: Downscale drive as std

Options
'J': Input injection Jack(s) for external signal test injection without disturbing the input loop(s)
'K': RF Immunity 80MHz-1GHz/5.6GHz, ≤30V/m
'HV' High Voltage input range(s), up to 500Vdc.

Din Rail (TS35) Enclosure Dimensions:
50w x 75h x 110d mm as std
('K' option enclosure= 50w x 75h x 182d mm)





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