

## ADM237X-4 Multi Output Signal Isolator/Splitter

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN61508) Safety Instrumented System (SIS) loop applications
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply voltage options: 24Vdc / 48Vdc ( $\pm 10\%$ ), 115Vac / 230Vac ( $\pm 20\%$ )
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

The input active port terminals 1(+) & 2(-) include the input loop Excitation, providing 24Vdc @22mA max loop power for the 4-20mA two-wire field transmitter.  
The 4-20mA Passive/Sink port connection is terminals 2(+) & 3(-).

#### Outputs

Up to 4 process current or voltage signal Outputs available, Current Source ports up to 20mA @11V, or Voltage source ports up to 10V @20mA. Current Sink ports up to 20mA @30V max external.  
Active ports 24(+) & 23(-), 21(+) & 20(-), 18(+) & 17(-), 15(+) & 14(-).  
Passive ports 23(+) & 22(-), 20(+) & 19(-), 17(+) & 16(-), 14(+) & 13(-).

#### Performance

Response time: <100mS (0-100% input step change)  
Supply consumption: <4VA

#### Isolation

1000V RMS Input/Outputs-Outputs/Supply/Earth

#### Mounting / Dimensions

Din Rail (TS35) / Enclosure: 152w x 81h x 137d mm  
Customer connections via screw terminals to front of enclosure

#### 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, EN613261:2013 (Controlled EM)

#### Typical Outputs

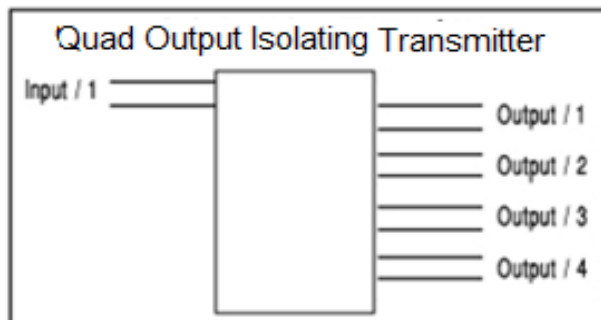
Current Source: 0/4-20mA, max loads 500Ω  
Voltage Source: 0-10Vdc, min loads 500Ω  
Current Sink: 0/4-20mA, max 30Vdc External

#### Accuracy/Linearity:

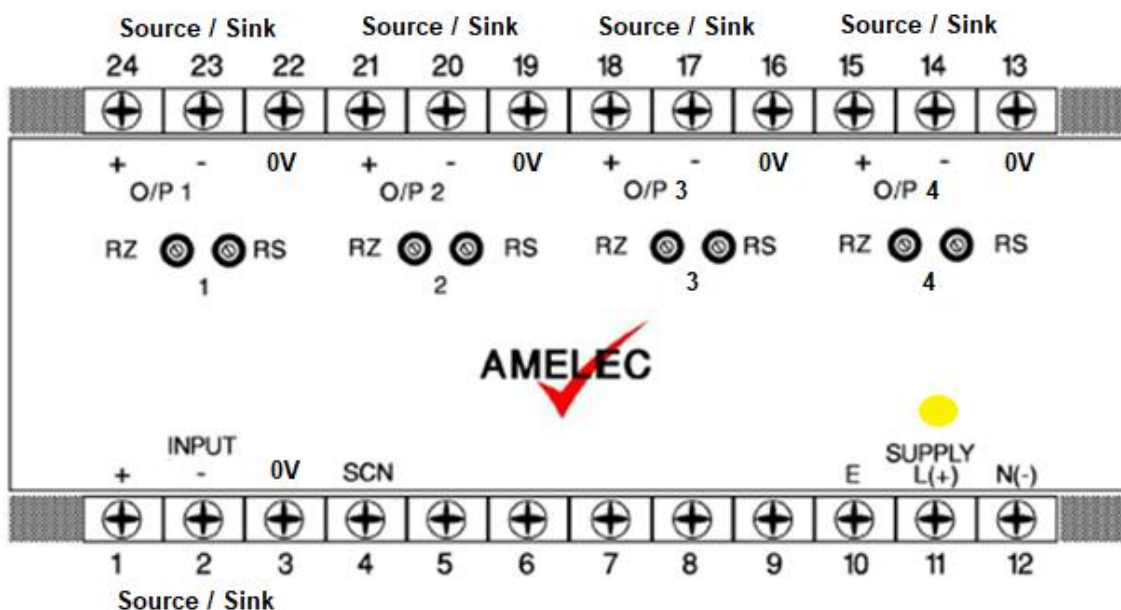
< $\pm 0.1\%$  span

#### Input O/C response:

Downscale drive as std.  
(O/C Upscale drive option 'X' available)



**Wiring Connections:** (Calibration potentiometer positions may vary)



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