

## ADM231MX-4 Multi Output Signal Isolator/Splitter

- Suitable for SIL 1 & SIL 2 rated safety loop applications (IEC61508) as 1oo1 architecture
- Suitable for any process input & output
- Supply voltage: 24Vdc  $\pm 2.5V$
- AMELEC Standard 10 year warranty
- Sink-Source Option on all ports

### Technical Specifications

#### Input

Sink or Source by way of termination.  
Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.  
Sink port impedance 20ohms  
Source port 2 wire loop excited at 24Vdc @ 22mA

#### Output

Sink or Source by way of terminations.  
Up to 4 Outputs available  
Any standard process current or voltage  
Current source up to 20mA @12V  
Voltage source up to 10V @20mA max  
Sink port max 28Vdc external supply  
Red LED indication of each output loop present

#### Isolation

1000V RMS. Input/Outputs-Outputs/Supply  
Accuracy/Linearity  $< \pm 0.1\%$

#### Dimensions

152w x 81h x 137d (mm)

#### Environmental Conditions

Storage Temperature: -40 to 70°C  
Operating Ambient: -15 to 55°C  
Relative Humidity: 5 – 95% RH

#### Input Load / Output Drive

#### Typical Input

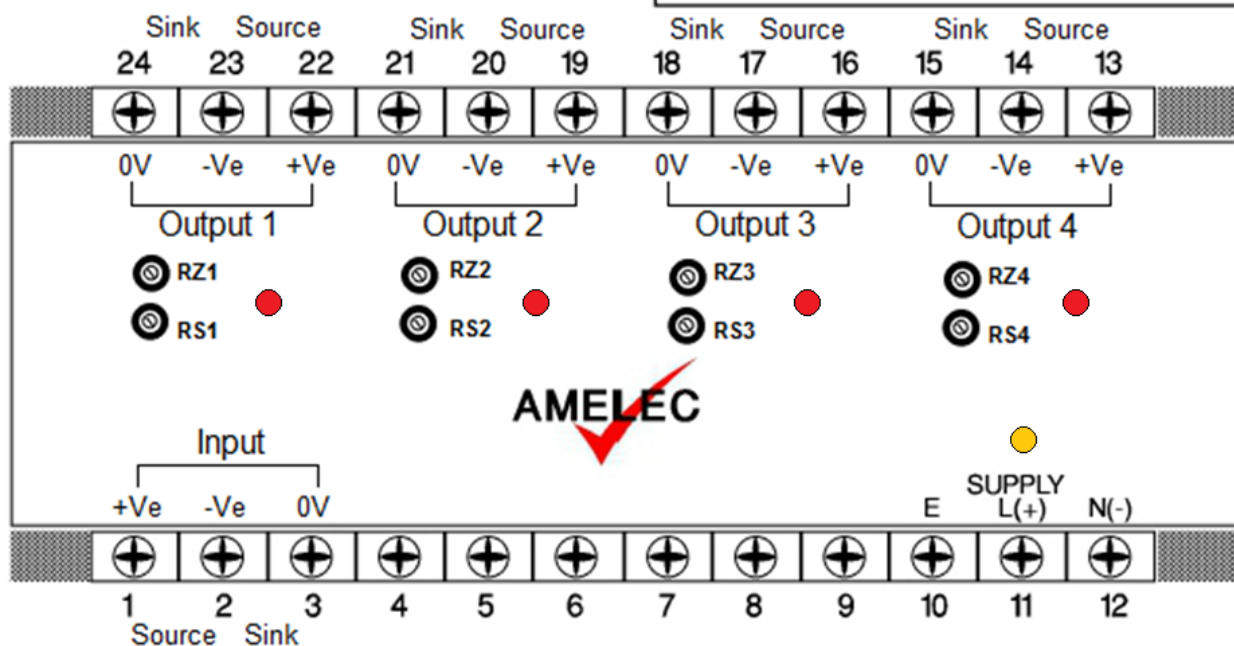
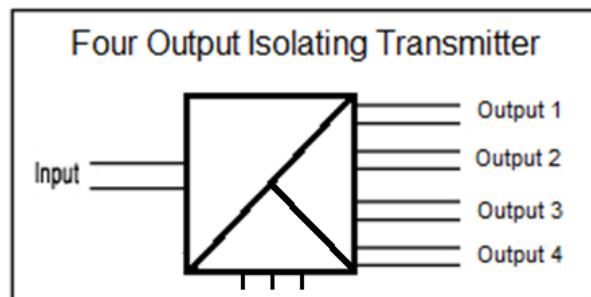
Current 4-20mA 20 $\Omega$   
Voltage 1-5Vdc 1M $\Omega$

#### Typical Output

Current 4-20mA max load 550 $\Omega$   
Voltage 1-5Vdc min load 250 $\Omega$

#### Note

In addition to having multi-channel outputs, it is possible to incorporate a trip function within this enclosure if required.



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