

## ADM231 Process I/V Transmitter with Dual Isolated Outputs

- 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 x11Vdc  
 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

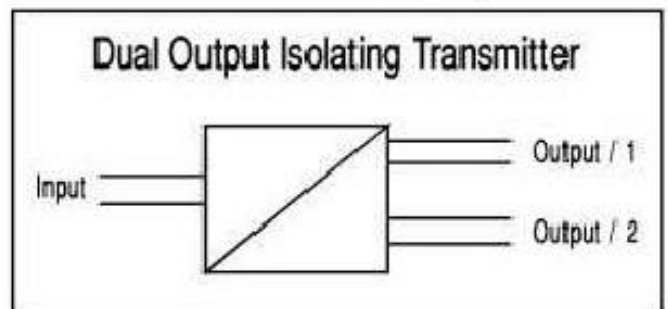
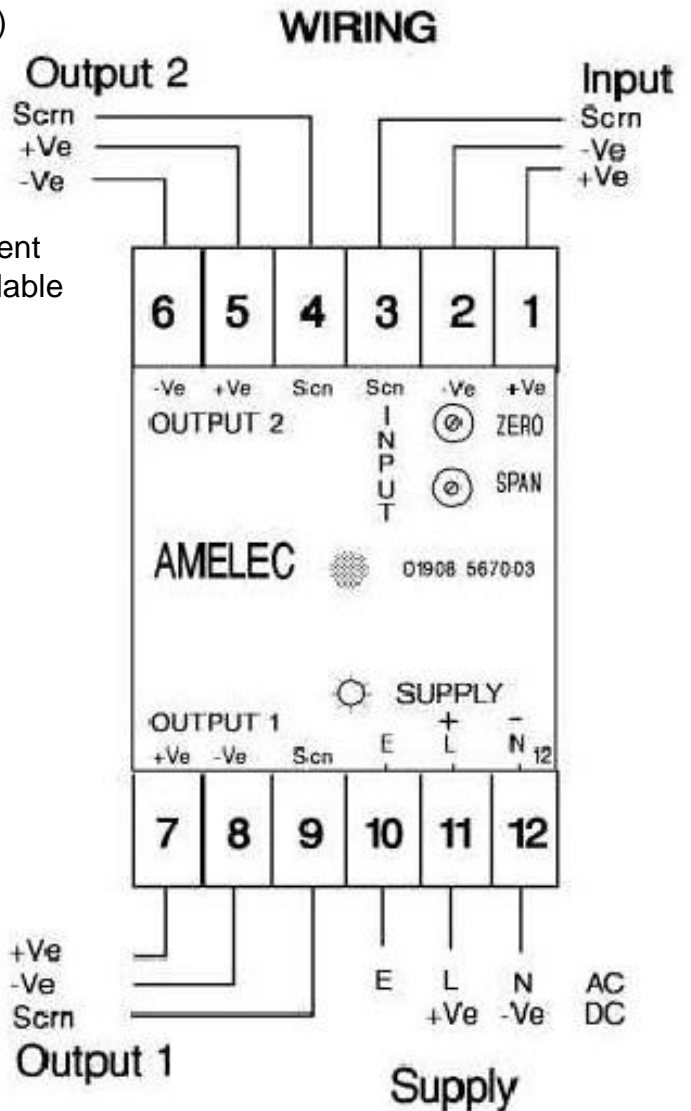
Accuracy/Linearity: < ±0.1% span  
 Response time: <100ms  
 Isolation: 1000V\* RMS Input/Output/Output/Supply/Earth  
 \*(500vdc if RFI protection option 'K' is specified)  
 Supply regulation: AC ±20%, DC ±10%,  
 Supply consumption: <3VA  
 Input O/C response: Downscale drive as std  
 (Input O/C Upscale drive 'X' option available)

#### Environmental Conditions

Storage Temperature: -40 to 70°C  
 Operating Ambient: -15 to 55°C  
 Relative Humidity: 5 – 95% RH  
 EMC: 2014/30/EU , EN 61326-1:2013

#### 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.