

## ADM240 Slidewire / Resistance / Potentiometer Transmitter

- Suitable for SIL 1 & SIL 2 rated (EN 61508-2) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- 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

Resistance/ Slidewire/ Thermistor/ Potentiometer  
 Input ranges up to 60KΩ, 2 or 3 wire input connections.  
 Any wire wound Potentiometer can be specified in the range of: 100Ω up to 20KΩ.  
 Version also available for plastic film pots (Input Excitation 1V dc @ 2mA max, other options available).

#### Output

DC current or voltage specified in the range of: Current up to 100mA max in Sink configuration (externally powered)  
 Current up to 22mA max in Source configuration (Internally powered)  
 Voltage up to 20Vdc max @ up to 5mA per output.  
 Typical output: 4-20mA (Active port, 1200Ω load max)

#### Isolation

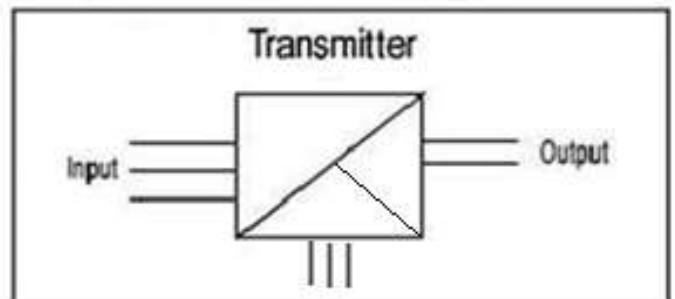
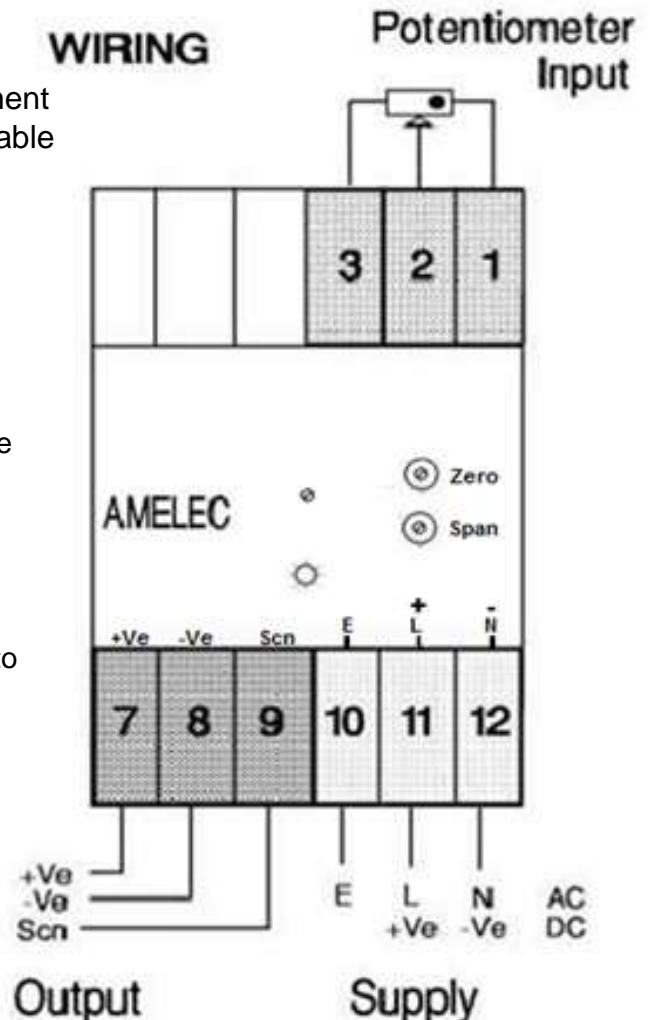
1000V RMS\* Input/Output/Supply/Earth  
 \*(500Vdc when RFI option 'K' is specified)

#### Performance

Accuracy/Linearity: < ±0.1% resistance span as std  
 (Reverse Acting option 'RA' & Linearisation of output signal to resistance curves option 'G' is available if required)  
 Response time: <400mS (10-90% input step change)  
 Supply consumption: < 3VA  
 Input O/C response: Upscale drive as standard  
 (O/C Downscale 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/Mounting

Enclosure: 50w x 75h x 110d mm  
 Mounting: Either Din Rail (TS35) **or** Surface by corner fixing holes as standard

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