

## ADM232DI-HV Trip Transmitter/Isolator with Digital Display

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

115Vac	±20%	
(with Amber LED <span style="color: orange;">ON</span> indicator)	240Vac	±20%
	24Vdc	±10%
	48Vdc	±10%
- Non-Smart / Non-uProcessor based, Type A instrument
- 3.5 Digit front fascia LCD provides continuous indication of the input voltage signal & Read pushbutton displays the Trip set point.
- RFI Protection to EN 61000-4-3:2006/A2:2010 available ('K' option)
- HART loop signal compatibility available ('H' option)
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

High DC Voltage signals, from 300V up to 1200V may be specified.

#### Analogue Output

Any standard process current or voltage signal. Current source up to 20mA, with Drive voltage 11Vdc. Current sink up to 20mA, with External Drive ≤30Vdc. Voltage source up to 10V, max current 20mA. Typically: 4-20mA (max load 550Ω) or 0-10Vdc (min load 500Ω).

#### Trip Output

A set of S.P.C.O contacts, rated 250VAC, 2A, 100VA (resistive) as std. Latching relay option 'L' available with Local or Remote Reset. Red LED indication of Relay status, ON Energised/healthy, Extinguished in Trip/De-energised state as standard. (Red/Green BI-colour LED optional)

#### Performance

Isolation: 1500Vdc Input / (output/supply/earth)  
 1000V RMS\* Output/Contacts/Supply/Earth  
 \*(500Vdc when RFI protection option 'K' is specified)

Accuracy/Linearity: ±0.1%

Trip settability: ±0.1%

Trip repeatability: ±0.1%

Deadband: 1% span as std (adjustable 1-20% span optional 'V')

Response time: <100ms as std (0-100% input step change)

(High Speed response <20ms option 'HS' available)

Supply consumption: <4VA

Input O/C response: Downscale drive as standard

(O/C Upscale drive option 'X' available if required)

Fail Safe Relay: De-energise on Trip & Loss of Power as std

#### Environmental Conditions

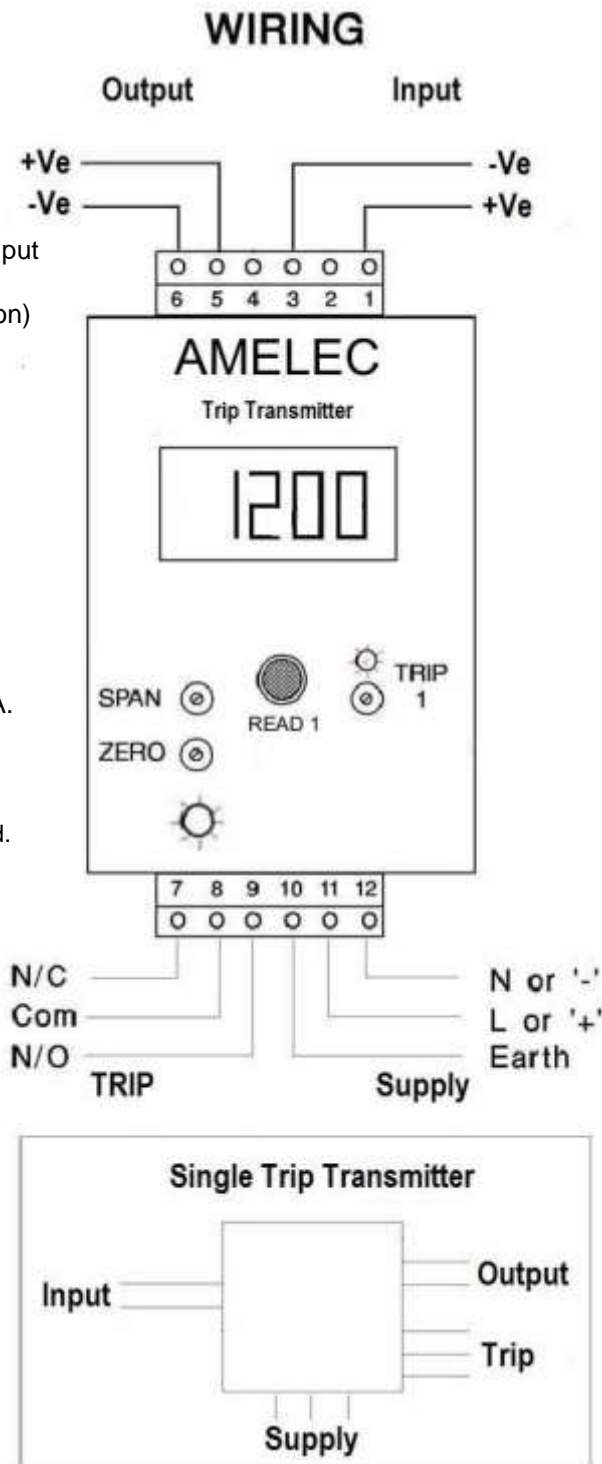
Storage Temperature: -40 to +70°C

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 higher Generic Industrial Standards)



#### Mounting / Demensions

Either Din Rail (TS35) as std.

Surface by seismic Keyhole plate (rear Plate Dims: 50w x 130h mm) or Front of Panel mounting options also available (front Bezel Dims: 57w x 96h mm)

('K' option enclosure = 182d mm)

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