

ADM232XL-HA-HS High Current/High Speed Trip Transmitter/Isolator

- 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%
 - 240Vac ±20%
 - 24Vdc ±10%
 - 48Vdc ±10%
- Non-Smart / Non-uProcessor based, Type A instrument
- Digital Display available ('DI' option)
- 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

Any current range up to 10Amp (DC) may be specified
 Typical examples; 0-5A, 0-7.5A, 0-10A, 2-10A.

Analogue Output

Any standard process current or voltage signal range may be specified;
 Current Source up to 20mA with Drive voltage 11Vdc, Current Sink up to 20mA with External 30Vdc max drive, or Voltage source up to 10V, max current 20mA.

Typically: 4-20mA (max load 550Ω) or 0-10Vdc (min load 500Ω).

Latching Trip Relay Output

A set of S.P.C.O contacts, rated 250VAC, 2A, 100VA (resistive)
 Latching relay with local Reset via front fascia pushbutton.

Red LED indication of Relay status; **ON** Energised/healthy,

Extinguished in Latched Trip/De-energised state as standard.

(Red/Green BI-colour LED indicator option available on request)

Performance

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

Accuracy/Linearity: ±0.1%

Trip settability: ±0.5%

Trip repeatability: ±0.1%

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

Fast Response time: ≤10mS

Supply consumption: <4VA

Input O/C response: Downscale drive as standard

(O/C Upscale drive option available if required)

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

Environmental Conditions

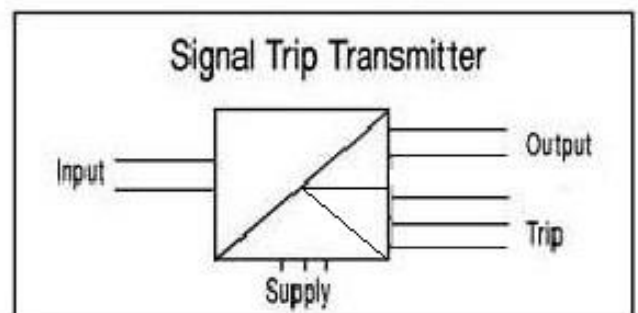
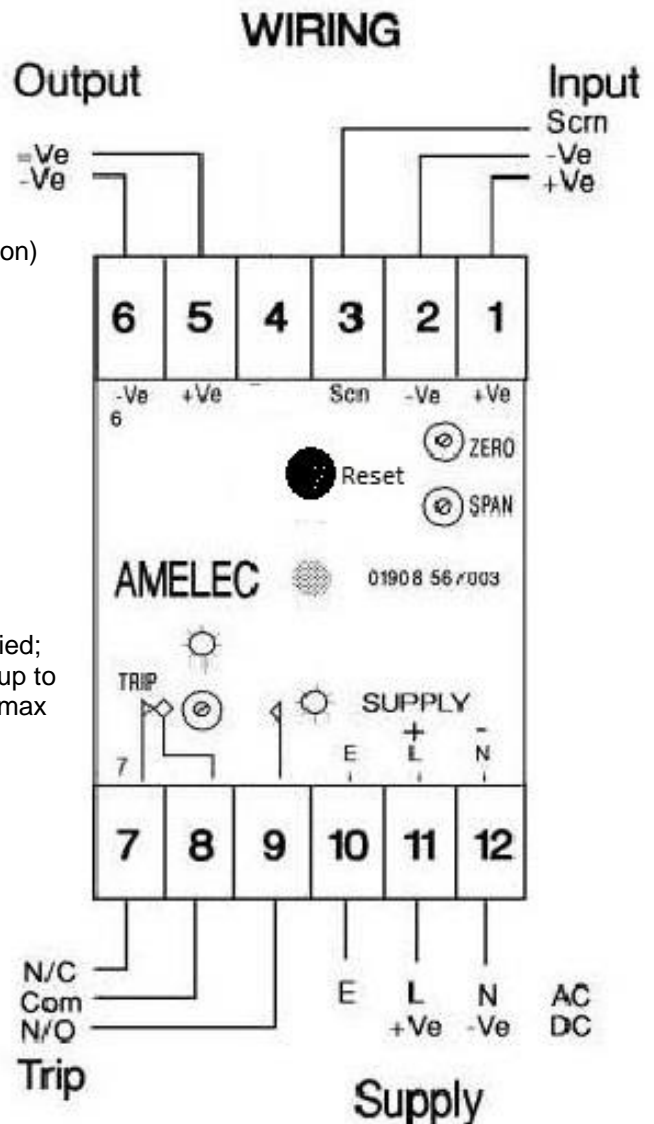
Storage Temperature: -40 to 70°C

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 highest Generic Industrial Standards)



Mounting / Demensions

Either Din Rail (TS35) **or** Surface by corner fixing holes in standard 50w x 75h x 110d mm enclosure.

('DI' option = 145d mm, 'K' option = 182d mm)

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