ADM233X-3 Process Signal Trip-Transmitter

- Non-Smart / Non-uProcessor based, Type A instrument
- Supply voltage options: 115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- Suitable for SIL 1 & SIL 2 rated (IEC61506) Safety Instrumented System (SIS) Loop applications, as 1oo1 architecture (HFT:0)
- Front Fascia Digital Display option 'DI' available
- 24Vdc@22mA two-wire input Loop Excitation option 'M' available
- AMELEC Standard 10 year warranty

Technical Specifications

Input
Any current or voltage (DC) signal that can be terminated in a PI network to produce a 400mV span.
Typical Input options: 0-10mA or 4-20mA (impedance 40Ω or 20Ω), 0-1V, 0/1-5V or 0-10Vdc (impedance 1MΩ)

Trip Outputs
Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).
Relays De-energise on Trip, Red LED indicators extinguish as std.

Analogue Output
Any std process current or voltage signal range may be specified;
Current source up to 20mA. Drive voltage 11Vdc
Current sink up to 20mA. 30Vdc max External Drive
Voltage source up to 10V. Max current 20mA

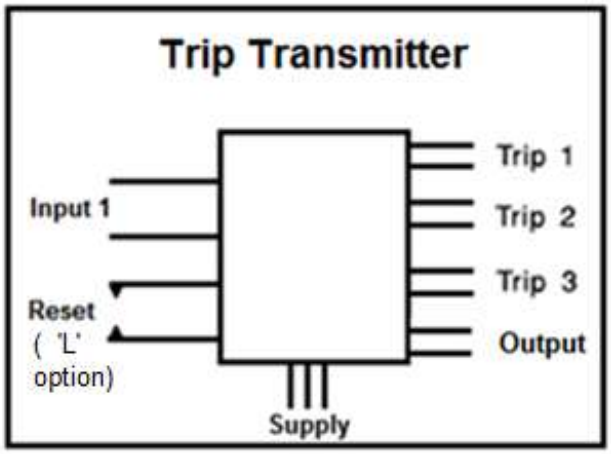
Operation
1 x isolated Analogue Output / repeat of input signal.
3 x Adjustable Alarm/Trip set points over the full input range, set by way of 15-turn blindset potentiometers through unit front fascia.
High (rising) &/or Low (falling) trip actions may be specified.
Red LED relay status indicator for each trip point on front fascia;
ON Energised/healthy, ***Extinguished*** in **Trip/De-energised state**.
(Latching relay(s) option 'L' available, with local front fascia pushbutton or remote contact Reset facility)
Amber Power *ON* indicator on front fascia, ***Extinguished*** on **Loss of power.**

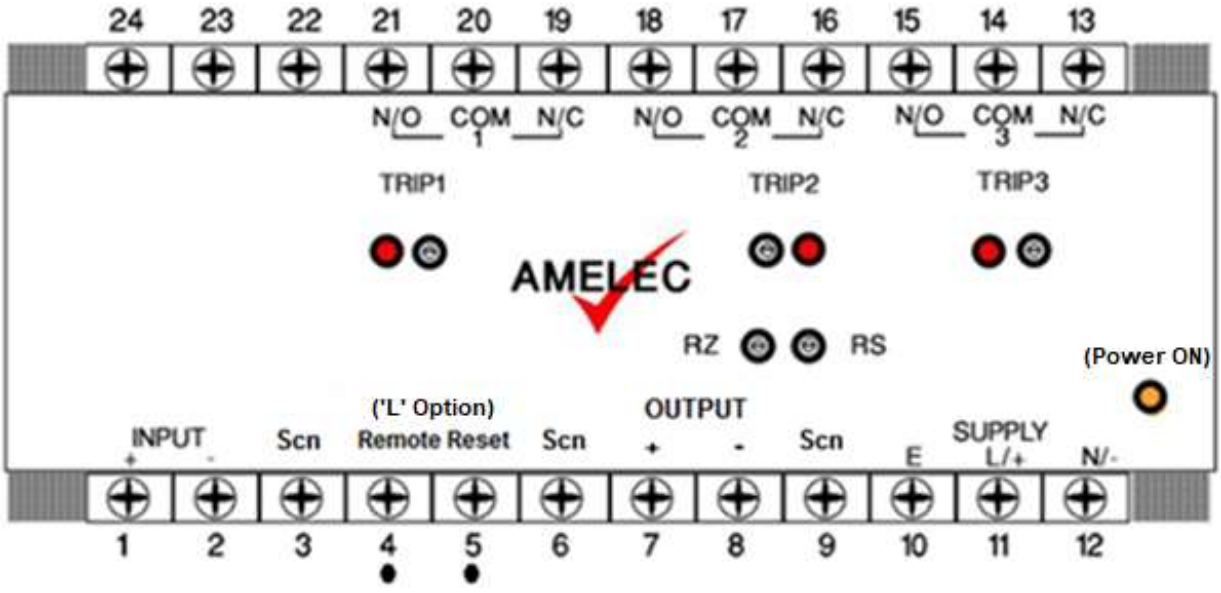
Performance
Accuracy/Linearity: ±0.1%
Trip settability: ±1% ('DI' option ±0.1%)
Trip repeatability: ±0.1%
Deadband: nom. 1% hysteresis as std
(1-20% span Variable hysteresis option 'V' available)
Response time: <100mS as std (0-100% Step change)
Input O/C response: Downscale drive as std
(O/C Upscale drive option 'X' available)
Supply consumption: ≤4VA

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)

Isolation
1000V RMS. Input/Output/Contacts-Contacts/Supply/Earth

Mounting / Dimensions
Din Rail (TS35) Enclosure: 152w x 81h x 137d (mm)





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