

ADM233LMX Process Trip Transmitter

- Suitable for any process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty
- Suitable for SIL 1 or 2 Safety Loop (1oo1 architecture)
- Digital Indicator available

Performance

Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: $< 100\text{ms}$

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: $5 - 95\%$ RH

Technical Specifications

Input

- Any current or voltage drive that can be terminated in a PI network to produce a 400mV span (24Vdc @ 22mA I/P Loop Excitation)
- Remote Contact Closure to reset T3 latching relay

Trip Outputs

Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).

Relays De-energise on Trip, Red LED indicator extinguishes.

Analogue Output

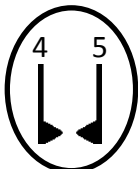
Any standard process current or voltage
Current source up to 20mA. Drive voltage 11Vdc
Current sink up to 20mA. Drive at 30Vdc
Voltage source up to 10V. Max current 20mA

Operation

Trip 1 = Low/Fault @ 3-6mA (Loss of sensor or open/short circuit input)

Trip 2 = High Alarm 1% hysteresis to reset

Trip 3 = High-High Trip, Latching Relay, Remote Reset



Input Open/Short Circuit Response

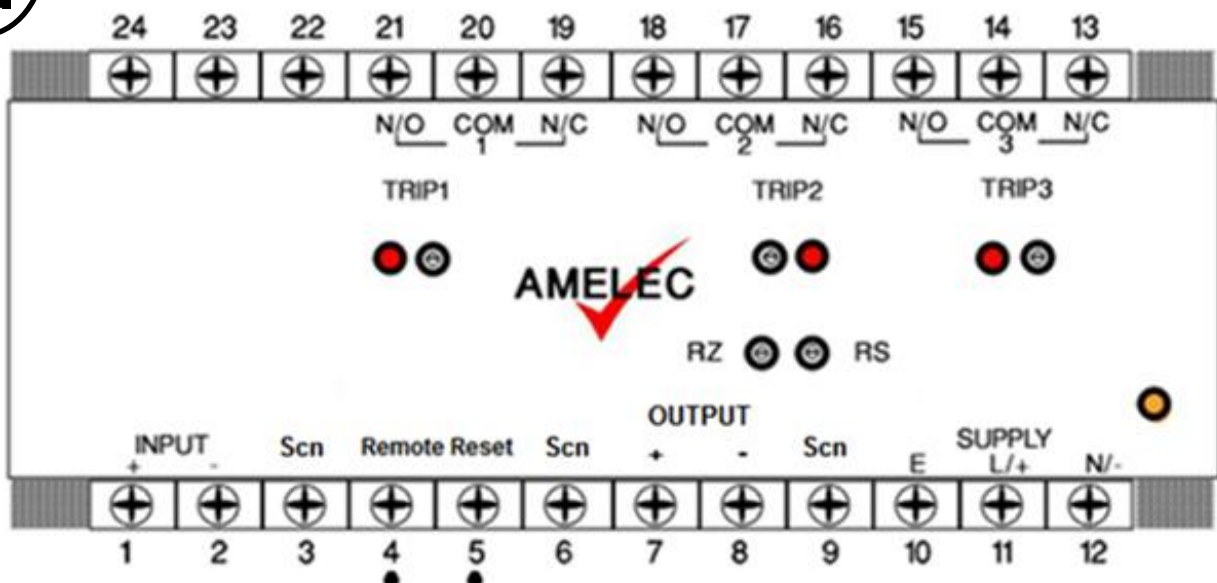
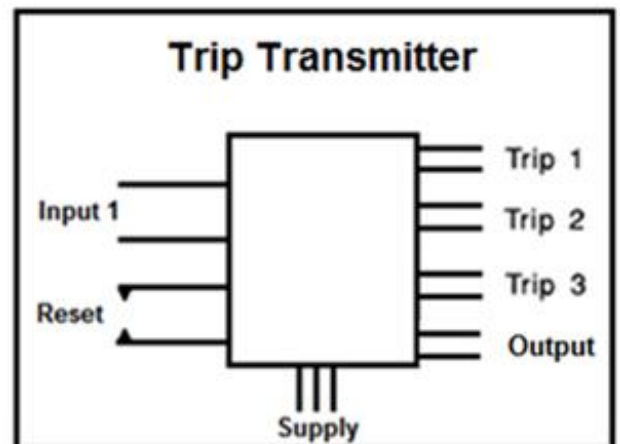
T1 = Downscale Drive
T2 + T3 = Upscale Drive

Isolation

1000V RMS. Input/Output/Contacts/Supply

Dimension

152w x 81h x 137d (mm)



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