

ADM282 Pulse/Frequency Signal Trip Transmitter

- Suitable for SIL 1, 2 & 3 (IEC61508) safety system loop applications
- Suitable for any pulse/frequency input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty
- 7V, 10V or 24Vdc two-wire Input sensor Excitation available (M option)

Technical Specifications

Input

Any regular pulse or repetitive waveform, including: Sine, Square or Sawtooth.
Minimum 25Hz calibrated span (maximum 12KHz)
Input level may be anywhere between 50mV-200V pk-pk

Outputs

Any standard process current or voltage signal,
(Current source up to 20mA. Drive voltage 11Vdc or Voltage source up to 10V. Max current 20mA)
A set of S.P.C.O contacts, rated 250VAC, 2A, 100VA (resistive)

Isolation

1000V RMS* Input/Output/Contacts/Supply/Earth
*(500Vdc if RFI option (K) is specified)

Performance

Accuracy/Linearity: $< \pm 0.1\%$
Input open circuit response: Downscale drive as std
(Upscale drive response available – X option)

Environmental Conditions

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

Indicator

Power ON: LED, Amber.
Relay status: LED, Red (Extinguish in Trip state)

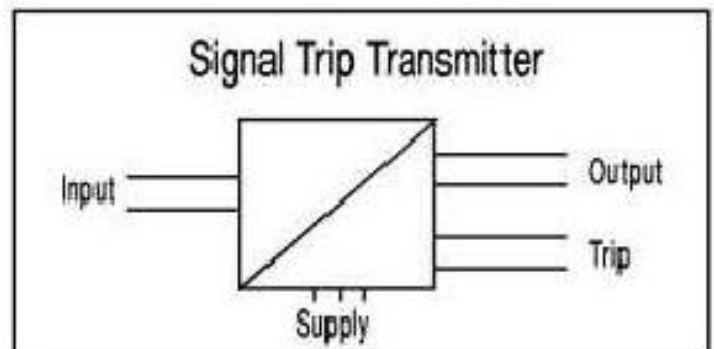
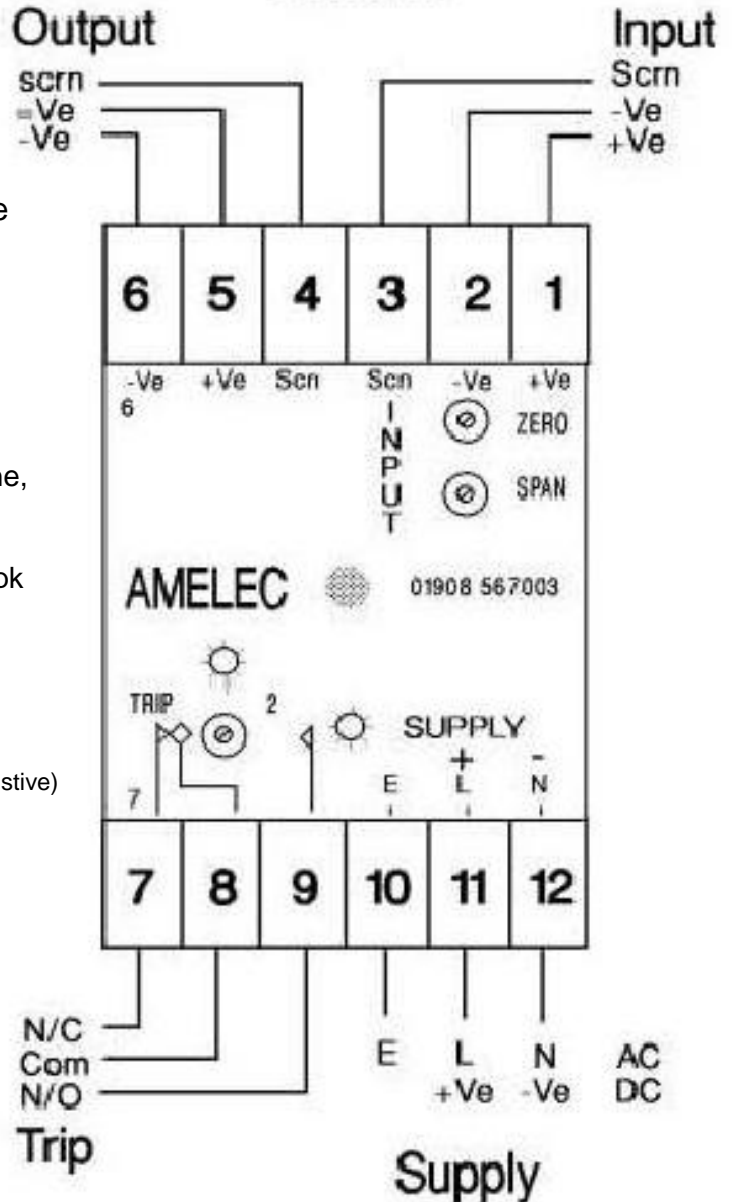
Typical Output Drive

4-20mA (max load 550Ω), 0-10Vdc (min load 500Ω)

Dimensions

50w x 75h x 110d (mm)

WIRING



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