

## ADT171 Strain Gauge Single Trip Amplifier

- Suitable for SIL 1, 2 or 3 applications
- Suitable for combinations of Process Inputs
- 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

### Technical Specifications

#### Input

Minimum span 4mV.  
Excitation 5 to 10V at up to 22mA

#### Output

The TRIP Output is an S.P.C.O. changeover contact, rated at 250VAC, 2A, 100VA resistive

#### Isolation

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

#### Performance

Trip settability:  $\pm 1\%$   
Trip repeatability:  $\pm 0.1\%$

#### Response time (Trip set at 50%)

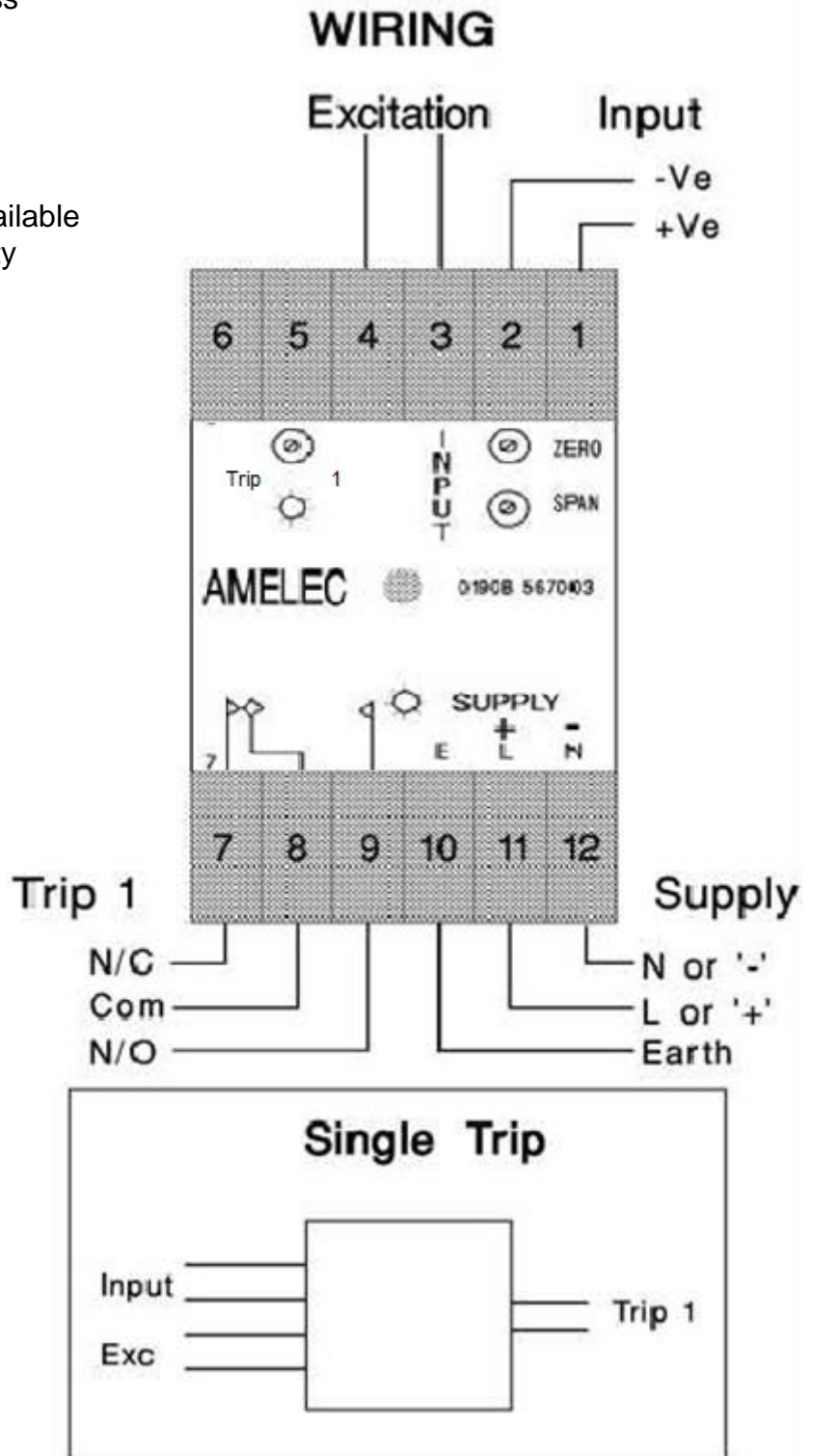
<400mS for a 10 to 90% step for the breaking of a normally closed contact

#### Environmental Conditions

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

#### Mounting/Dimensions

50w x 75h x 110d (mm)



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