

ASC332 Series DC Current Trip Transducer

- Non Intrusive monitoring
- 2 year guarantee as standard
- CE compliant
- Connect directly to PLC
- Single or Bidirectional sensing

APPLICATION

- Motor / Heating element current monitoring.
- Current signal conditioning.

TECHNICAL SPECIFICATION

INPUT

Current can be specified in the range of:
 0 - $\pm 100\text{mA}$, 0 - $\pm 200\text{mA}$, 0 - $\pm 400\text{mA}$,
 0 - $\pm 600\text{mA}$, 0 - $\pm 1000\text{mA}$.

Other intermediate range available as standard

OUTPUT

Default 4 - 20mA also available 12 to $\pm 8\text{mA}$

Output Load: 500R ohms max

Loop / Supply voltage 24Vdc $\pm 20\%$

Linearity: $< \pm 0.5\%$

Accuracy: $< \pm 1\%$

Consumption: 25mA + I out

Freq Bandwidth: 20Hz (50mS)

TRIP RELAY

Default trip on Low, High available.

Normally de-energised, 220Vdc/1A max.

INDICATOR

1 X BI-COLOR LED

Green = Healthy

Red = Alarm / Trip

CONTROLS

15 turn potentiometers for trip point.

Set point: ± 1 to 100%

Hysteresis: 1 to 30 %

Protection

Isolation 3000V RMS. Input / Output / Case

Input over range up to 300% continuous.

Enclosure: ABS (UL 94V-0) / Encapsulation

ENVIRONMENTAL CONDITION

Storage temperature: - 25 to $+85^\circ\text{C}$

Operating Ambient: -20 to $+70^\circ\text{C}$

Relative Humidity: 20 to 95% RH

Temp Coefficient: $< 0.02\%/^\circ\text{C}$

MOUNTING

Mounting: Surface

Weight $< 70\text{g}$

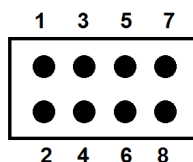
Installation: CAT II



WIRING

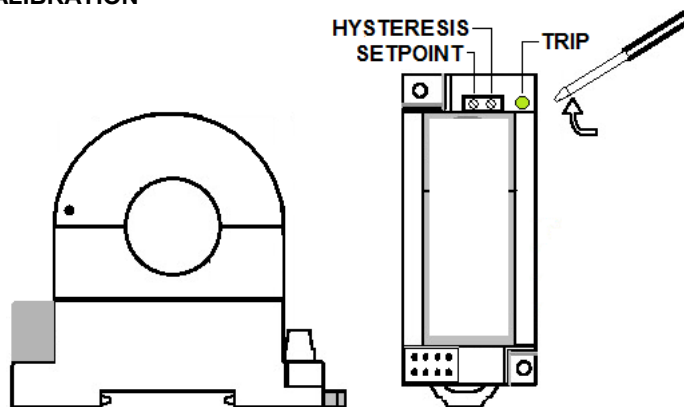
8 way Header Connector

Up to 500V working voltage, Current rating 3A



- 1= + Supply
- 2= - Supply
- 3= + Output
- 4= - Output
- 5= NO - Relay
- 6= COM - Relay
- 7= NC - Relay

CALIBRATION



ORDERING CODE

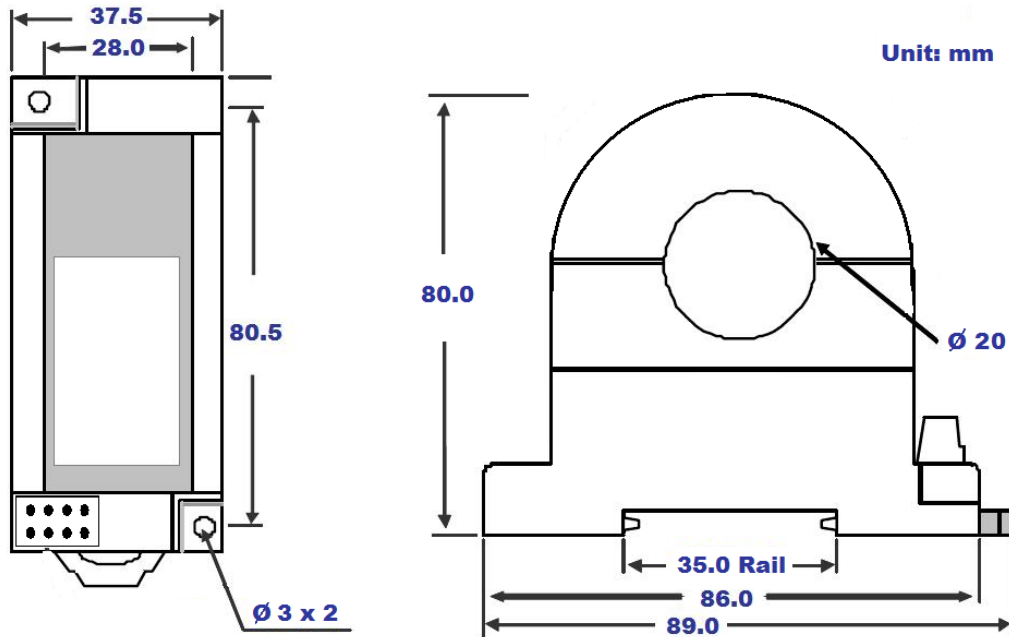
SI= Single direction BI = Bi-direction

Model / Input range / BI or SI

E.g. ASC332-600-BI

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DIMENSION

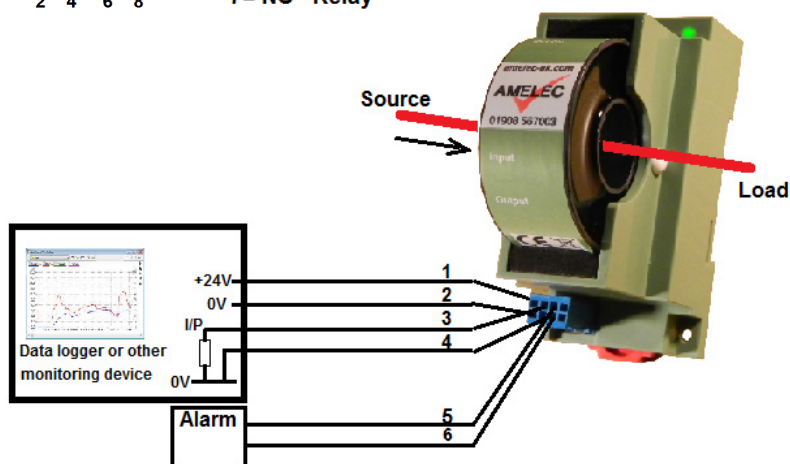
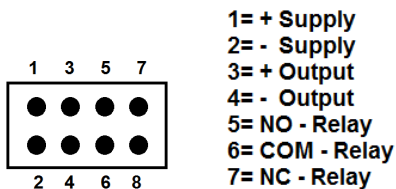


INSTALLATION

To avoid damage to the case, input cable should be formed to shape and supported. Use surface mount option instead of din rail for more secure fixing. Alternatively it can simply hang on secured wires.

WIRING

8 way Header Connector



SAFETY NOTE:

Although the voltage(s) directly connected to this instrument and its internal voltages are low. The cable running through the core may carry dangerous high voltage. For this reason, this product should be installed by a competent person. If the unit fails to operate correctly than first check if the wiring is correct. Under no circumstance the unit to be taken apart to gain access to internal circuitry for any reason whilst it has live cable through the split core.