

ASC Series DC Current Transducer (with ADT Series Trip Amplifier)

- Split core CT for easy non intrusive installation
- Loop powered, reducing wiring
- 2 year warranty as standard
- CE compliant
- Connect directly to PLC / Data Logger

APPLICATION

- DC current monitoring (20A - 500A ranges)
- Current signal conditioning

TECHNICAL SPECIFICATION

INPUT

Current can be specified in the range of:
 0 - 20A, 0 - 25A, 0-50A, 0-100A, 0-200A, 0-300A,
 0-400A, 0-500A
 (21mm through hole diameter as standard)

Bi-directional Input current options also available on request.

OUTPUT

4 - 20mA DC Sinking current. 20mA max
 Output Load: 450R ohms max @ 24Vdc supply.
 Loop voltage 24Vdc from ADT130 series Trip Amp
 Linearity: $< \pm 0.5\%$
 Accuracy: $< \pm 1\%$
 Consumption: 25mA + I out
 Freq Bandwidth: DC to 20kHz

CONTROLS

Single turn potentiometers for output calibration.

Zero: $\pm 25\%$
 Span: $\pm 25\%$

Protection

Isolation 3000V RMS. Input / Output / Case
 Input over range up to 200% continuous.
 Enclosure: ABS (UL 94V-0) / Encapsulation

ENVIRONMENTAL CONDITION

Storage temperature: - 50 to +100 °C
 Operating Ambient: -25 to 85 °C Temp Coefficient: $< 0.03\%/^{\circ}\text{C}$
 (Temp Coefficient at -40°C: $< 0.1\%/^{\circ}\text{C}$, at -55°C: $< 0.1\%/^{\circ}\text{C}$)
 Relative Humidity: 5 to 95% RH
 IP Rating: IP60

For 100% RH applications the zero/span adjustment pots need sealing & use only the side integrated cable option

MOUNTING

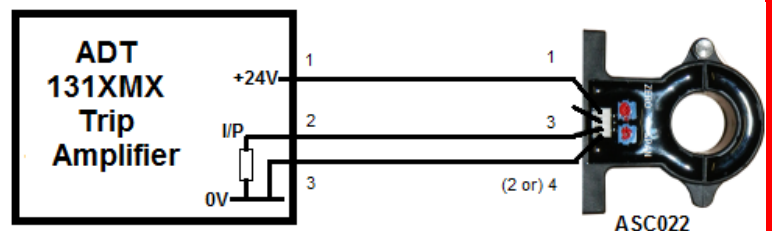
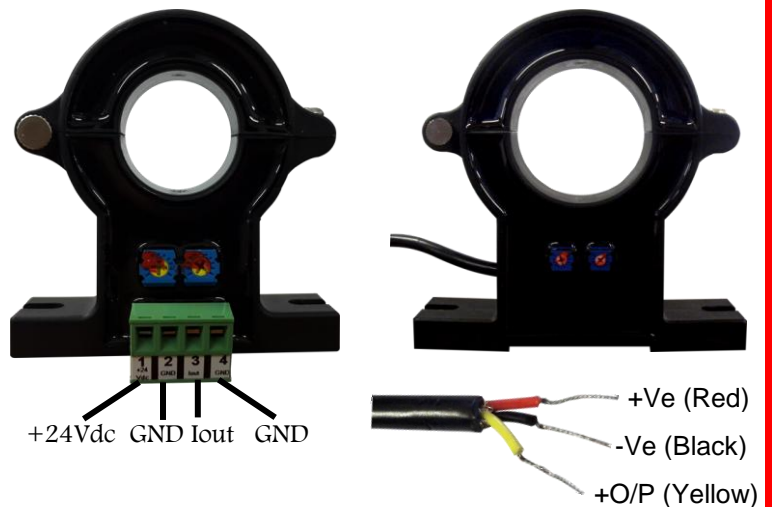
Mounting: Surface
 Weight < 70g
 Installation: CAT II

Additional options:

IP65 sealing on request (& with side integrated cable)
 Larger (40.5mm) through hole diameter available on request



WIRING



DIMENSION (mm)

