

AX-CTX10



AC current transmitter - voltage output

Product overview

The AX-CTX10 Voltage Output Analog Current transmitters are designed for use in any AC current monitoring application in which you are looking to monitor a particular piece of equipment for proper operation. It uses an "Average" current measuring method and should be used in applications where a pure Sinusoidal AC waveform that has very little or no distortion/noise on the conductor being monitored. Applications may include monitoring a resistive type load such as an incandescent light bulb or heating element as well as any single-speed linear load.



Products Features

- No external supply voltage required
- Multiple selectable ranges
- Cost-effective
- Din rail mountable

Product Specifications

Monitored current type:	AC
Maximum AC voltage:	600Vac
Isolation voltage:	2200Vac
Operating frequency:	50 to 600 Hz
Core style:	Solid core
Supply voltage:	Induced from monitored conductor (Insulated conductors only)
Sensor Amperage Range:	Field selectable. (see order codes)
Output signal:	0-10VDC (Min 10KOhm load)
Response time:	<300 ms
Accuracy:	+/- 1% from 5-100% of selected range
Electrical connections:	2 way screw terminal block (Polarity Sensitive)
Wire size:	18 to 24 AWG (0.823 mm ² to 0.205 mm ²) Copper Wires only
Aperture size:	19.05 mm (0.75")
Din rail size:	35mm
Ambient temperature/humidity:	-15°C to 40°C / 0-95% RH non-condensing
Storage temperature/humidity:	5°C to 35°C / 40% to 80% RH non-condensing
Enclosure material:	PC/ABS (Polycarbonate/ABS Blend)
Flammability rating:	UL94-V0
Agency Approvals:	UL/CUL US Listed (UL 508) Ind. Control Equipment , CE, RoHS2, WEEE
Dimensions/Weight:	70.11 mm x 84.92 mm x 26.67 mm / 90gms
Country of origin:	USA

Order Codes

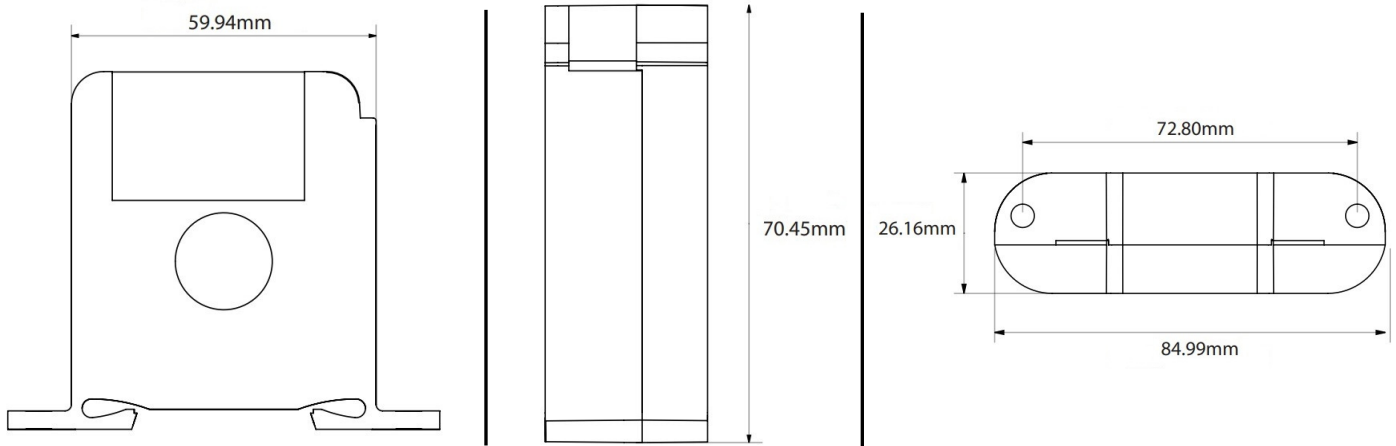
Part number	Description
AX-CTX10-50	AC current transmitter, 0-10V output, 0 to 10/20/50A
AX-CTX10-150	AC current transmitter, 0-10V output, 0 to 50/100/150A

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Dimensions



Installation

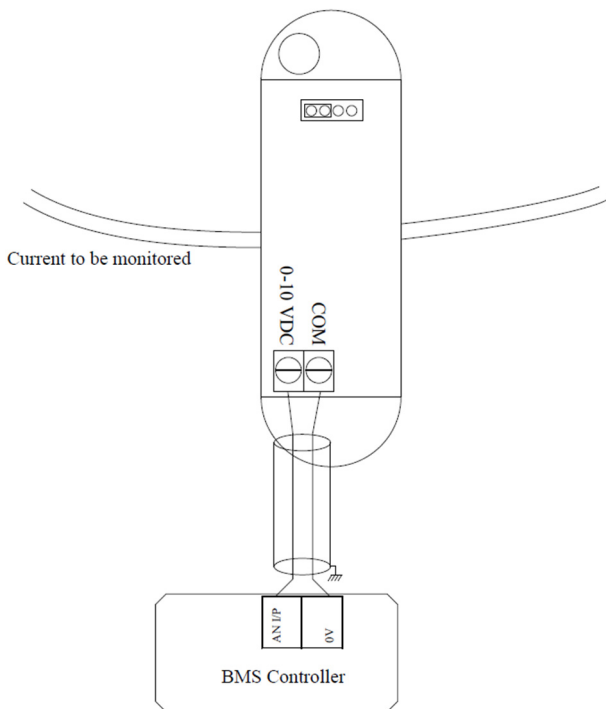
The unit should be installed by a suitably qualified technician in accordance with prevailing regulations and any guidelines for the equipment to which it is to be connected.

Maintain a minimum distance of 26 mm between the current sensor and other magnetic devices like contactors, relays, transformers etc.

Datasheet Contents

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Typical wiring



As a general rule screened cable should be used to connect signal to a BMS or other controller. The shield should be connected to the earth at one end only.