

Product Overview

The AX-CTX Analog Current Transmitters are designed for use in any AC current monitoring application in which its required 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.



Products Features

- No external supply voltage required (for voltage output versions)
- Selectable ranges part number dependent
- Cost-effective
- ±1 % Accuracy

Product Specifications

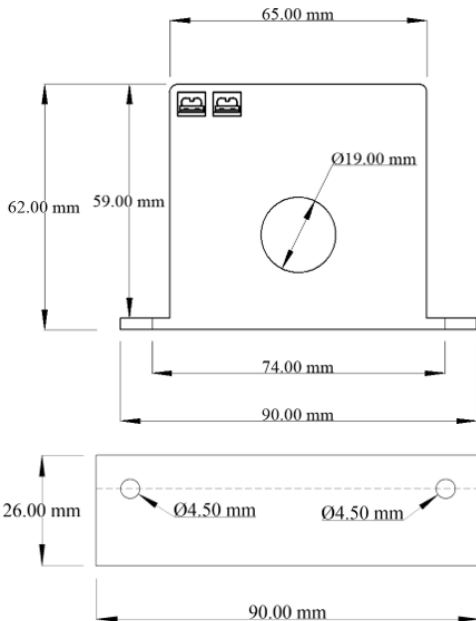
Monitored current type:	AC
Maximum AC voltage:	600Vac
Operating frequency:	10 to 200 Hz
Core style:	Solid core/ Split core
Supply voltage:	Induced from monitored conductor (Voltage output versions) 24VDC±10% for Loop powered 4-20mA output versions
Sensor Amperage Range:	Field selectable. (see order codes)
Output signal:	0-10VDC (Min 10KOhm load)
Response time:	<200ms
Accuracy:	±1% from 5-100% of selected range
Electrical connections:	2 way screw terminal block (Polarity Sensitive)
Aperture size:	20.00mm
Ambient temperature/humidity:	0°C to 50°C / 10-95% RH non-condensing
Enclosure material:	ABS
Flammability rating:	UL94-V0
Dimensions/Weight:	61.5×90×26mm for Solid core 63×100×32.2mm for Split core
Country of origin:	United Kingdom

Order Codes

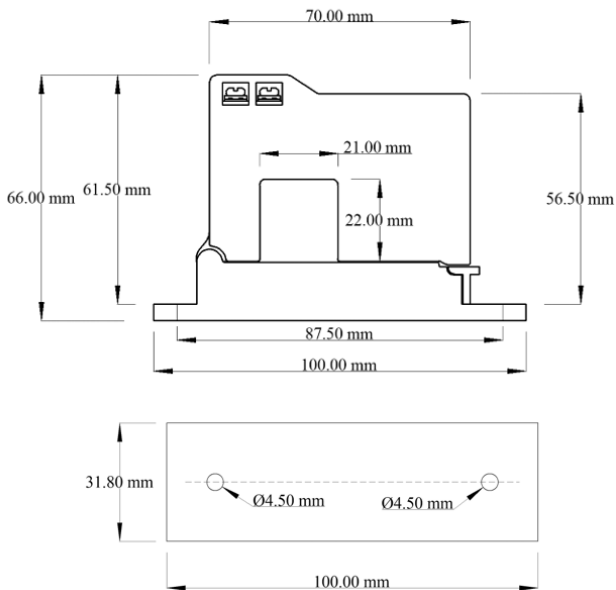
Part Number	Description
AX-CTX-LA10-50	Current Transmitter, 4-20Ma, Solid Core, 0-10, 0-20, 0-50A (Jumper Selectable)
AX-CTX-LA100-200	Current Transmitter, 4-20Ma, Solid Core, 0-100, 0-150, 0-200A (Jumper Selectable)
AX-CTX-LV10-50	Current Transmitter, 0-10 VDC, Solid Core, 0-10, 0-20, 0-50A (Jumper Selectable)
AX-CTX-LV100-200	Current Transmitter, 0-10 VDC, Solid Core, 0-100, , 0-150, 0-200A (Jumper Selectable)
AX-CTX-SLA10-50	Current Transmitter, 4-20Ma, Split Core, 0-10, 0-20, 0-50A (Jumper Selectable)
AX-CTX-SLA100-200	Current Transmitter, 4-20Ma, Split Core, 0-100, 0-150, 0-200A (Jumper Selectable)
AX-CTX-SLV10-50	Current Transmitter, 0-10 VDC, Split Core, 0-10, 0-20, 0-50A (Jumper Selectable)
AX-CTX-SLV100-200	Current Transmitter, 0-10 VDC, Split Core, 0-100, , 0-150, 0-200A (Jumper Selectable)

Dimensions

Solid Core



Split Core



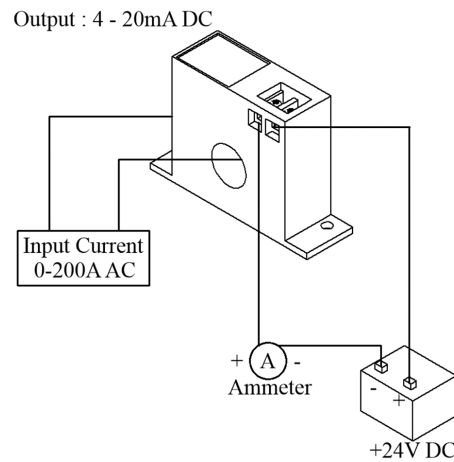
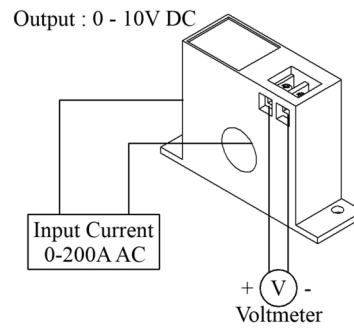
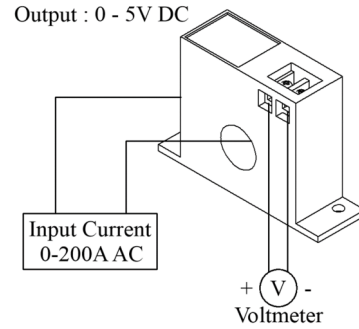
Installation

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.

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.



Datasheet Contents

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