Split-Core

Solid-Core

ANALOG OUTPUT

Sensors with 0 to 5 VDC & 0 to 10 VDC Output

The A/CTE, A/SCTE, A/CTV and A/SCTV Series current sensors monitor the current flowing to electrical equipment or buildings. The magnitude of this current is then converted into a linear 0 to 5 or 0 to 10 VDC output signal, based on the model selected. This series is fast-acting and extremely accurate from 5% to 100% of the full scale output. The sensors are factory calibrated using an NIST traceable standard. Power for this series is induced from the conductor being monitored so no external power supply is required. Every device on this cutsheet features a patented Din-Rail mounting system (Pat. no. US 7,416,421) for ease of installation.

CURRENT

SPECIFICATIONS

Sensor Power	Induced from monitored conductor
Output Voltage	A/CTE & A/SCTE Series: 0 to 5 VDC A/CTV & A/SCTV Series: 0 to 10 VDC
Amperage Ranges	0 to 250A (See ordering information)
Accuracy	A/CTE & A/SCTE: +/- 1.0% (2 to 100% FSO) A/CTV & A/SCTV: +/- 1.0% (5 to 100% FSO)
Response Time	A/CTE & A/SCTE: <100 mS A/CTV & A/SCTV: <100 mS
Operating Frequency Range	50 to 600 Hz
Isolation Voltage	2,200 VAC
Maximum Sensing Current Voltage	600 VAC
Aperture (Hole) Size	0.75" DIA (insulated conductors required)
Din-Rail Size	35mm
Operating Temperature Range	-15 to 40ºC (5 to 104ºF)
Operating Humidity Range	0 to 95% RH, non-condensing
Product Dimensions	Split Core: (L) 3.33" (W) 1.08" (H) 2.70" Solid Core: (L) 3.38" (W) 0.98" (H) 2.27"

ORDERING

Select one Current Sensor (A). **NOTE:** Current Switches are not to be used in Life & Safety applications, or in hazardous locations.

A   Current Switches

○ **A/CTE-50** (Solid-Core, 0 to 5 VDC Output)	(Jumper Selectable Range: 0-10, 0-20, 0-50A)
○ **A/CTE-250** (Solid-Core, 0 to 5 VDC Output)	(Jumper Selectable Range: 0-100, 0-200, 0-250A)
○ **A/CTV-50** (Solid-Core, 0 to 10 VDC Output)	(Jumper Selectable Range: 0-10, 0-20, 0-50A)
○ **A/CTV-250** (Solid-Core, 0 to 10 VDC Output)	(Jumper Selectable Range: 0-100, 0-200, 0-250A)
○ **A/SCTE-50** (Split-Core, 0 to 5 VDC Output)	(Jumper Selectable Range: 0-10, 0-20, 0-50A)
○ **A/SCTE-250** (Split-Core, 0 to 5 VDC Output)	(Jumper Selectable Range: 0-100, 0-200, 0-250A)
○ **A/SCTV-50** (Split-Core, 0 to 10 VDC Output)	(Jumper Selectable Range: 0-10, 0-20, 0-50A)
○ **A/SCTV-250** (Split-Core, 0 to 10 VDC Output)	(Jumper Selectable Range: 0-100, 0-200, 0-250A)

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: A/SCTE-50

All Current Sensors, Switches and Command Relays have a UL94-5VB flammability rating for the enclosure.