

235 Series - Adjustable Current Sensor

SPDT, 10 Amp



The 235 series current sensor combines solid state circuitry with a SPDT, 10 A relay. Knob adjustable user settings detect AC current levels generally ranging from 1.5 to 15 amps. Quick connect terminals are standard with socket or side mounting. Custom ranges and voltages are available.

GENERAL SPECIFICATIONS (@ 25° C)

Sensing:

Current Sense Range	1.5 to 15 Amp
Repeatability (Constant voltage and temperature)	2%
Reset Time maximum	150mS

Contacts:

Contact Configuration	SPDT
Contact Material	Silver Alloy
Contact Rating	
250VAC Resistive	10 Amp
30VDC Resistive	10 Amp
Minimum Contct Load	500mW
Contact Resistance, Initial	100 milliohms max @ 6VDC

Coil:

Coils Available	AC
Power Consumption	2VA
Input Voltage Tolerance - AC	85% to 110% of nominal
Transient Protection	Yes
Reverse Polarity Protection	N/A
Duty	Continuous

Dielectric Strength:

Across Open Contacts	500Vrms
Between Mutally Insulated Points	1500Vrms
Insulation Resistance	1,000 Mohms min @ 500VDC

Temperature:

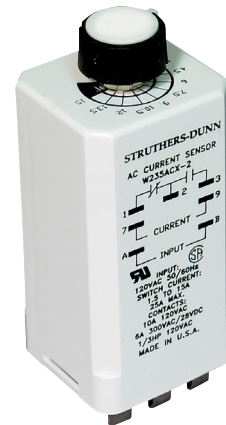
Operating	-20 to 55°C (-4 to 131°F)
Storage	-40 to 85°C (-40 to 185°F)

Life Expectancy:

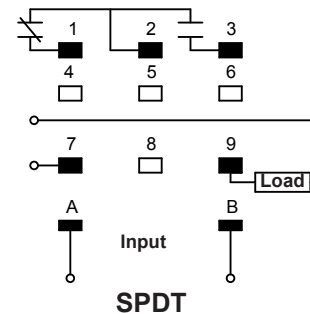
Electrical (full load operations)	100,000
Mechanical (no load operations)	5,000,000

Miscellaneous:

Mounting Position	Any
Mating Socket	SK-SQB11-DS
Enclosure	Opaque Polycarbonate
Weight	4.4oz (125 grams)



235 Wire Diagram

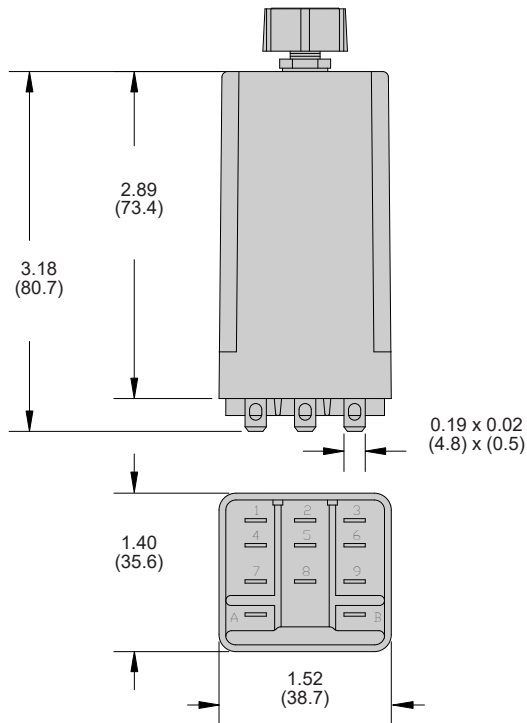


Timer / Sensor - Current Sensing Relay

10 Amp

Outline Dimensions

Dimensions Shown in inches & (millimeters)



235 Part Number Chart

Part Number	Nominal input voltage	Current range	Terminal size	Socket mountable
W235ACX-2B	120VAC	1.5 to 15 Amps	.250 (6.3)	No
W235ACX-3B	120VAC	1.5 to 15 Amps	.187 (4.7)	Yes
W235ACX-11B	120VAC	0.5 to 5 Amps	.187 (4.7)	Yes
W235ACX-12B	24VAC	1.5 to 15Amps	.187 (4.7)	Yes
W235ACX-17B	240VAC	1.5 to 15Amps	.187 (4.7)	Yes
W235ACX-19B	120VAC	1.5 to 15Amps	.250 (6.3)	No

Terminal size in inches & (millimeters)

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