

Current Transducer / Load Detector

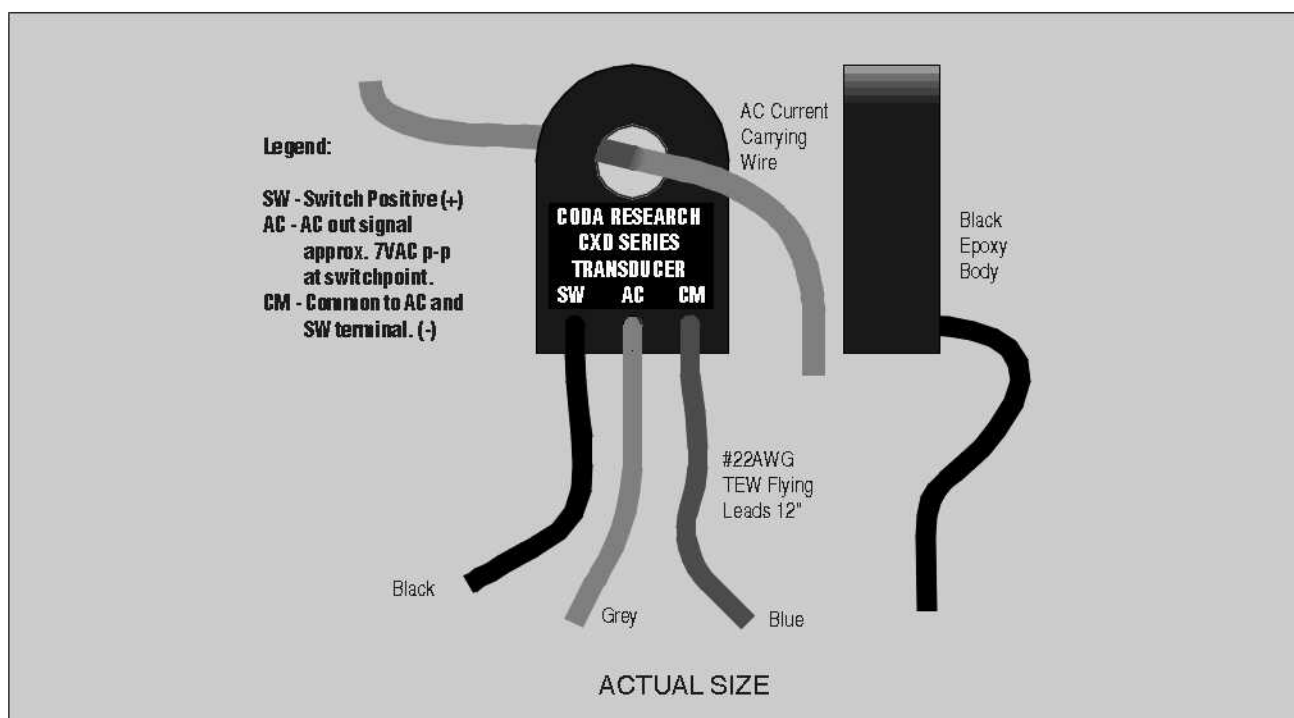
CXD Series

FEATURES

- Self Powered - Completely Solid State
- Compact Size to Fit in small Spaces
- Fast Response & Built-in Hysteresis
- Convenient Flying Leads (6" minimum)
- Trip Levels from 1.5A to 50A (Fixed)

DESCRIPTION

The CXD Series of Current Transducers/Load Detectors are designed to monitor the flow of AC currents to loads such as motors, heaters, etc. They behave similar to a transformer. The current carrying wire threaded through the 0.38" hole in the unit and forms the primary winding (one or several turns). The induced voltage is proportional to the current flowing in the wire and is rectified. This DC voltage is then compared to a fixed reference which activates a Solid State Switch when the pre-set level is exceeded. An AC output is provided.



Specifications

Current Range: 0 - 50 Amperes AC (45-1000 Hz)
Maximum Wire Size: #6 AWG (CSA TEW)
Will Accept 2 X #12 AWG
Isolation Voltage: 1500VAC minimum (1 min.)
Sensing Range: 1.25A-50A (fixed)
Hysteresis: 2% of Sense Current Setting
Sense Current Setting Accuracy: 10%

Response time: 10msec ON - 40 msec OFF
Contact Rating: 1A (60VDC) or < 0.5 Ohm resistance
Operating Temperature Range: -10 to +60°C
Storage Temperature Range: -40 to +85°C
Case Material: Black Epoxy Mold
Dimensions: 1.5" X 1.0" X 0.5" (Hole: 0.375" dia.)
Weight: 70 Grams

ORDERING INFORMATION: PART NUMBER STARTS WITH CXD THEN ADD SUFFIX ACCORDING TO CURRENT TRIP LEVEL. EXAMPLE: CXD-13.5 TRIP-LEVEL IS 13.5 AMPERES AC.

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