

Current Transducer / Load Detector

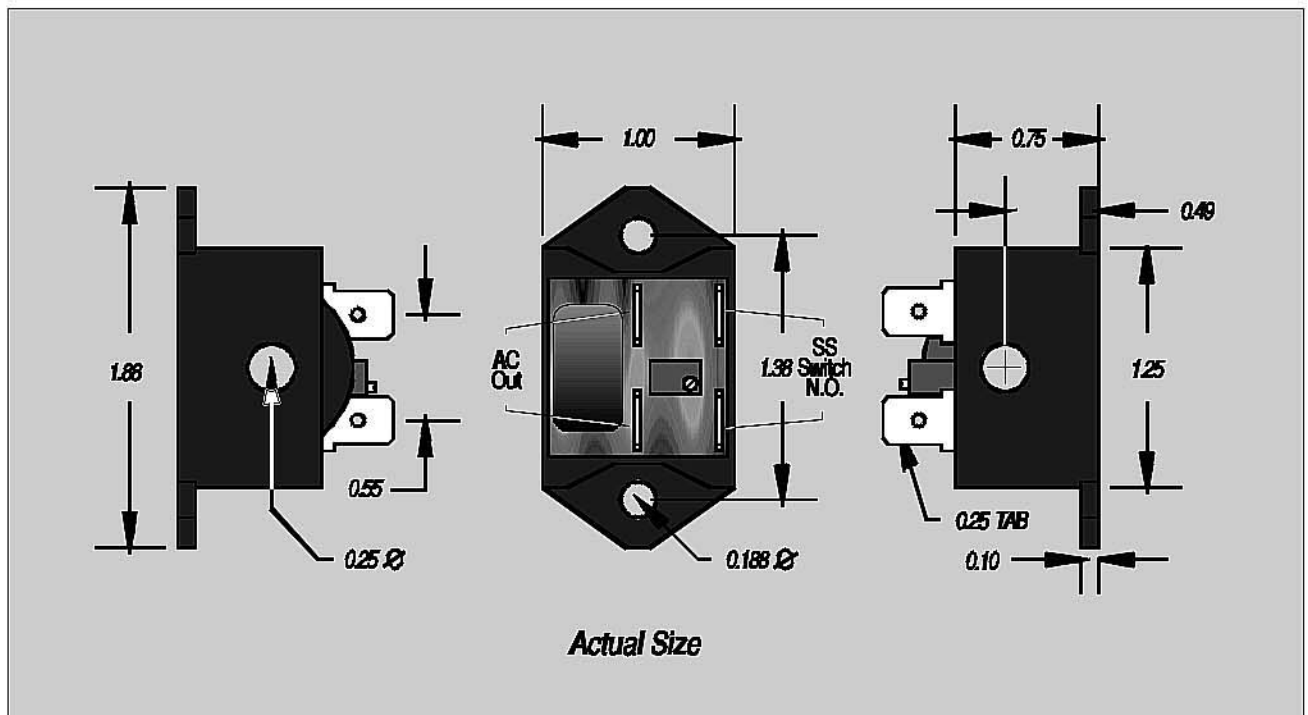
CXD2-50

FEATURES

- ❑ **Self Powered - Completely Solid State**
- ❑ **Compact Size to Fit in small Spaces**
- ❑ **Fast Response & Built-In Hysteresis**
- ❑ **Convenient 0.25" Fast Tabs Connections**
- ❑ **Trip Levels from 1.5A to 50A (Adjustable)**

DESCRIPTION

The CXD2-50 Current Transducer/Load Detector is designed to monitor the flow of AC currents to loads such as motors, heaters, etc. It behaves similar to a transformer. The current carrying wire is threaded through the 0.25" 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 (approx. 7W p-p at switch point) 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 (set by 12T potentiometer)

Hysteresis: 2% of Sense Current Setting

Sense Current Setting Accuracy: 3%

Response time: 10msec ON - 40 msec OFF

Contact Rating: 1A (100VAC/DC) 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: See Diagram (Wire Pass Thru: 0.25" dia.)

Weight: 70 Grams

ORDERING INFORMATION: CXD2-50 Also available without mounting flanges: add suffix **-NF**

5 - 260 East Esplanade, North Vancouver, British Columbia
Canada V7L 1A3 Tel: 604-986-2004 Fax: 604-986-2045

CODA
RESEARCH
CORPORATION

