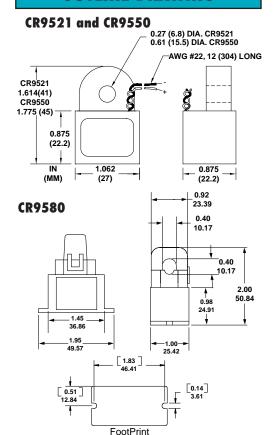
CR







## **OUTLINE DRAWING**



50

NUMBER

The **CR9500** Series Current Sensors provides a cost effective method for monitoring electrical current. The sensor generates a 0-5 VDC signal proportional to the input AC current. The output signal is average sensing, calibrated to RMS.

The sensor is used with process control and industrial instrumentation equipment. Especially suited for OEM applications that require a low cost solution for numerous monitoring locations. The DC output can be connected directly to an analog input connection without additional signal conditioning. Care must be taken to ensure the burden impedance of the instrumentation is greater than 1.0 megohm. The unit will operate with lower burden impedance but at reduced accuracy.

## **Applications**

OEM Current Sensing Home Automation Monitor Motor Operation

#### **Features**

Low Cost

Low Fixed Trip Point

Fully Isolated, Reverse Polarity Protected

Self-Powered

Available in Mountable Package

**Output Overload Protected** 

### **Specifications**

Accuracy: ±0.5% Full Scale (FS)

Ripple: 1% Max Signal Out: 0-5 VDC Max. Signal Out: 12 VDC Frequency \* : 50 to 400 Hz Insulation Class: 600 V

Operating Temperature: -30 C to + 60 C Storage Temperature: -55 C to + 85 C Shipping Weight: 2 oz. (.06 Kg.) Dielectric Withstand: 2,500 Vrms

Response Time: 250 ms. max. 10-90% FS Calibration: Avg. Sensing, RMS Calibrated

Output Load: 1.0 Megohm or greater for rated accuracy

Weight 0.11 LBS.

\* All specifications for operation at 60 Hz

# **Regulatory Agencies**







3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119

Web: http://www.crmagnetics.com