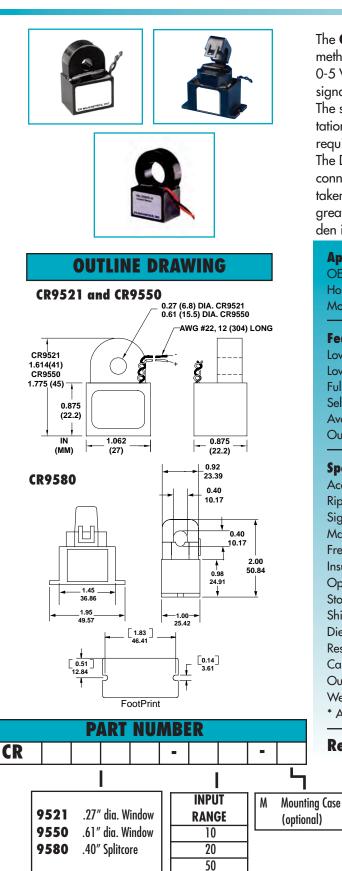
Current Sensor



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







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Relays, Switches, & Sensors