

4LSG Series Revenue Grade Split Core Current Transformer

- **UL Listed to UL2808, CAT III, XOBA**
- **Universal molded housing construction**
- **Window sizes: 0.5", 0.75", 1.0", 1.25", 1.5"**
- **mV or mA outputs available**
- **Accuracy Class 1.0 standard**
- **Accuracy Class 0.5 available**
- **Accuracy Class 0.2 (special order)**
- **Can be used on non-insulated conductors**



The Model 4LSG split current transformer is a collection of five window sizes. Each window size comes in a specific range of current inputs. This split core CT is meant to be installed only on insulated conductors. The millivolt output version uses an internal calibration resistor to set the output voltage as shown in the table below. The milliamp output version is provided with internal transient voltage suppressors to limit the output to a safe level. The millivolt output version is limited for some input currents due to internal coil winding room, contact the factory.

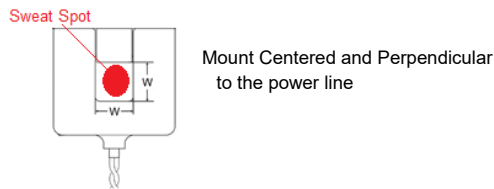
Specifications

Input Current.....current, sine wave, single phase 50/60Hz
Voltage Rating.....600VAC, rated CAT III
Bandwidth.....50Hz to 400Hz
Output Voltage.....100mV, 250mV, 333mV, 500mV, 1VAC
Output Current.....Up to 333mA maximum
Output Limiting.....1.2V peak Transient Voltage Suppressor (TVS)
Standard Accuracy.....Class 1 per Table 201 IEC 61869
Optional Accuracy.....Class 0.5 per Table 201 IEC 61869
Output Resistance (Voltage Output).....<100Ω typical
Interface Resistance.....Must be >50kΩ
Temperature Range.....-40°C to 70°C
Continuous Current Rating Factor.....1X
Altitude.....Up to 2000 meters | **Pollution Degree**.....2
Construction.....Polycarbonate UL plastic construction
Lead Wires..... 8ft. black and white, 18AWG MTW, UL1015, 600V white wire X1 and label points to the source H1

Applications

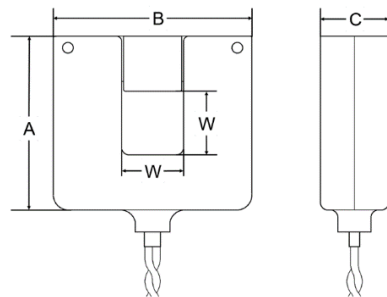
- Renewable Energy Systems
- Power Control Panels
- Energy Monitoring
- Energy Conservation
- Supervisory Control and Data Acquisition
- Residential and Commercial Power Control

Installation for Best Accuracy

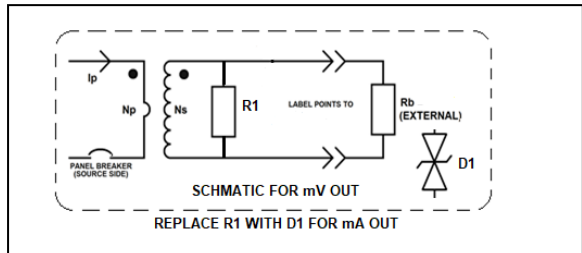


Dimensions

(-XX) = Input FLA Amps (-YY) = Output Millivolts/Milliamps	W WINDOW	A DIMENSION	B DIMENSION	C DIMENSION
4LSG-XX:YY-0.5 10, 20, 30, 50, 75 AMPS	0.5in 12.7mm	2.69in 68mm	2.4in 60.9mm	1.10in 27.9mm
4LSG-XX:YY-0.75 10, 20, 30, 50, 75, 100 AMPS	0.75in 19mm	2.69in 68mm	2.4in 60.9mm	0.94in 23.8mm
4LSG-XX:YY-1.0 10, 20, 30, 50, 75, 100, 150, 200, 250, 300 AMPS	1.0in 25.4mm	3.24in 82.3mm	2.87in 72.9mm	1.11in 28.2mm
4LSG-XX:YY-1.25 10, 20, 30, 50, 75, 100, 150, 200, 250, 300, 400 AMPS	1.25in 31.7mm	3.22in 81.7mm	3.31in 84mm	1.14in 28.9mm
4LSG-XX:YY-1.5 10, 20, 30, 50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 800 AMPS	1.5in 38.1mm	3.75in 95.2mm	3.6in 91.4mm	1.15in 29.2mm



Schematic



Accuracy Class 0.5

