



GREYSTONE

ENERGY SYSTEMS INC

MINI CURRENT SENSOR CS-651 Series

The CS-651 series of mini current sensors monitor line current for electrical loads such as pumps, conveyors, machine tools or fans and provide an output of 0-10 Vdc to represent the load current.

The CS-651 requires no external power supply as they are totally powered by induction from the AC line being monitored.



SPECIFICATION:

Measurement Range:.....0-10, 20, or 50 Amps
Maximum Input Current:....100 Amps Continuous
Accuracy:..... $\pm 1\%$ FSO (5-100% of range)
Signal Output:.....0-10 Vdc
Sensor Power:.....Self-powered
Insulation Class:.....600 Vac, insulated conductors
Frequency:.....50/60 Hz
Response Time:.....250 mS Typical, 0-90 %
Output Load:.....1 M Ω typical
Loading Error:.....Add 1.2% error with 100K Ω
Operating Temperature:.....-15 to 60 °C (5 to 140 °F)
Operating Humidity:.....5 to 90% RH non-condensing
Terminal Block:.....14 to 22 AWG
Dimensions:.....48 x 49 x 21 mm
(1.9 x 1.93 x 0.83 in)
Sensor Aperture:.....11.4 mm (0.45 in)
Enclosure Material:.....ABS/PC, UL94 V-0
Agency Approvals:.....cULus Listed

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
CS-651	Mini Solid-core Current Sensor, 0-10 Vdc output

CODE	Sensing Range
10	0-10 Amps
20	0-20 Amps
50	0-50 Amps

CS-651 - 10

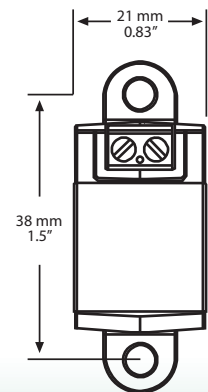
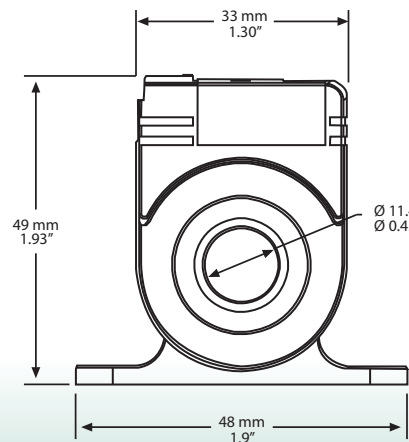
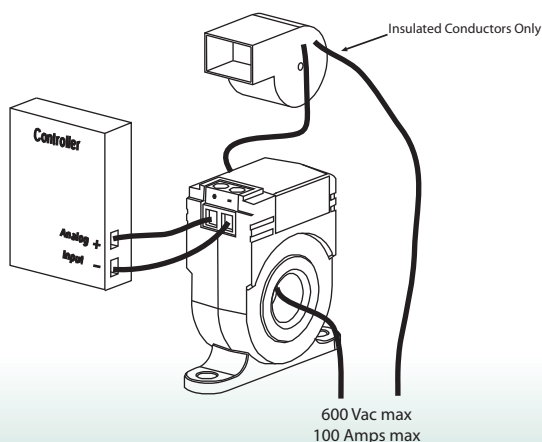
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

TYPICAL INSTALLATION:

For complete installation and wiring details, please refer to the product installation instructions.

The CS-651 series must be mounted in an electrical enclosure and has an integral mounting tab to allow screw mount to a surface.

The CS-651 series has a 2 wire connection to the Building Automation System.



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