GREYSTONE ENERGY SYSTEMS INC

MINI-CURRENT SENSOR
CS-6XX Series

Precision power control/sensing

FEATURES:

- Solid Core
- Analog Output
- Up to 100 amps input current
- Small, Compact Design

Peace of mind through reliable current monitoring

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM

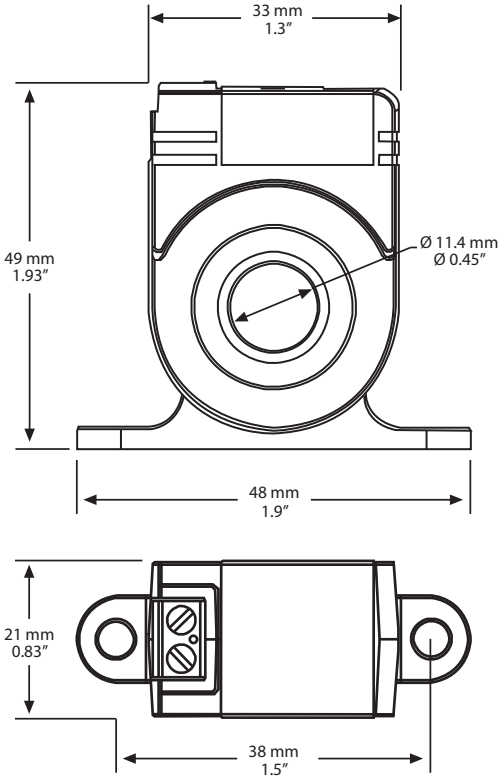
DESCRIPTION:

The CS-6XX-XX series of current sensors monitor line current for electrical loads such as pumps, conveyors, machine tools or fans and provide an output of 4-20 mA, 0-5 Vdc or 0-10 Vdc (Model specific) to represent the load current.

The CS-650 & CS-651 series require no external power supply as they are totally powered by induction from the AC line being monitored. The CS-652 series is loop-powered and require an external 15-30 Vdc power supply.

SPECIFICATION:

Measurement Range	10/20/50 Amps (Model specific)
Maximum Input Current	100 Amps continuous
Accuracy	± 1% FSO
Sensor Power	Self-powered (CS-650 & CS-651) 15-30 Vdc, Loop-powered (CS-652)
Output Type	0-5 Vdc, 0-10 Vdc or 4-20 mA
Output Load	1 MΩ Typical (CS-650 & CS-651) 250 Ω Typical (CS-652)
Loading Error	Add 1.2% error with 100 KΩ (CS-650 & CS-651 Only)
Frequency	50/60 Hz
Response Time	<250 mS Typical (0-90%)
Insulation Class	600 Vac, insulated conductors
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 1.9x 1.93 x 0.83 in
Sensor Aperture	0.45 in (11.4 mm)
Enclosure Material	ABS/PC, UL94 V-0
Agency Approvals	cULus Listed



PRODUCT ORDERING INFORMATION

MODEL	Product Description
CS-650	0-5 Vdc, Self-powered
CS-651	0-10 Vdc, Self-powered
CS-652	4-20 mA, Loop-powered

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

CS-650 -50

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

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ENERGY SYSTEMS INC

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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems. We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

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