GREYSTONE
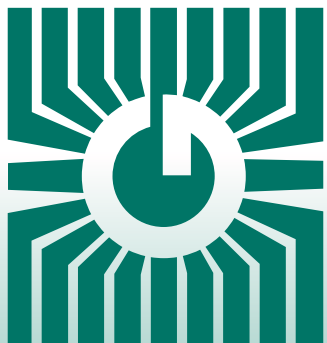## ENERGY SYSTEMS INC

Precision power control/sensing

FEATURES:

- Solid Core

- Go/No Go or Field Adjustable Models

- Up to 100 amps input current (CS-GnG-100)

- Up to 75 amps input current (CS-610-75)

- Small, Compact Design

Peace of mind through reliable current monitoring

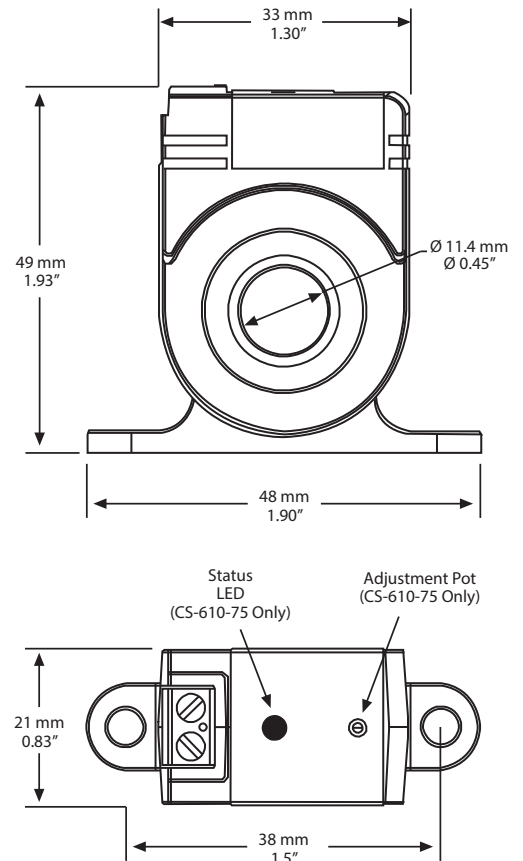GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM

DESCRIPTION:

The CS Series mini current switches monitor line current for electrical loads such as pumps, conveyors, lighting, heaters or fans and closes the output contacts when the trip point is exceeded. The CS-GnG-100 has a factory set trip point of 0.5 Amps to provide Go/No Go status operation. The CS-610-75 has a trip setpoint that is adjustable between 0.75 to 75 Amps by rotating the adjustment pot.

The sensor requires no external power as it is totally powered by induction from the AC line being monitored. The switch output is normally open and when the input current exceeds the trip setpoint the switch closes to provide an on/off digital signal to the controller

SPECIFICATION:

Current Setpoint............................Fixed at 0.5 Amps (CS-GnG-100)
                                          0.75 to 75 Amps (CS-610-75)
Maximum Input Current..............100 Amps continuous (CS-GnG-100)
                                          75 Amps continuous (CS-610-75)
Sensor Power....................................Self-powered
Output Type ....Solid-state mosfet
Output Switch Action ....Normally open
Output Switch Ratings ....30 Vac/dc, 500 mA Max.
Indication ....Status LED (CS-610-75 Only)
Von @ 24 Vdc at 500mA ....< 50 mV
Frequency ....50/60 Hz
Response Time ....200 mS Typical
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
                                          1.9 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

ORDER INFORMATION:

CS-GnG-100   Go/No Go
CS-610-75   Adjustable

33 mm
1.30"

49 mm
1.93"

Ø 11.4 mm
Ø 0.45"

48 mm
1.90"

Status LED
(CS-610-75 Only)

Adjustment Pot
(CS-610-75 Only)

21 mm
0.83"

38 mm
1.5"

GREYSTONE
ENERGY SYSTEMS INC

Greystone Energy Systems Inc.

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C UL us LISTED

RoHS COMPLIANT

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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