

CURRENT SWITCHES

AC CURRENT OPERATED SWITCH

MODELS CS, SCS

FEATURES

- Adjustable Set Point
- Self-Powered
- Smart LED
- UL Listed
- Switches AC or DC

APPLICATIONS

- Monitor AC for fans, pumps, and other electrical equipment.
- Monitors VFD application to 6Hz



SPECIFICATIONS

INPUT

Current

Range

CS-1150A-LED..... 1-150A

SCS-1150A-LED 1.75-150A

Trip Point Adjustment

CS-1150A-LED..... 15 Turns/Slip Clutch Pot

SCS-1150A-LED 4 Turns/Slip Clutch Pot

Frequency.....6-100Hz

Insulation.....600Vac

OUTPUT

Solid State Switch

Switch Rating 0.3A @ 135Vac or Vdc

Current

On-State.....0.3 Amps Max.

Off-State.....<10µA

Temperature Range..... -20°C to +50°C

WIRING CONNECTIONS

Input..... Install unit around current carrying cable.

Size

CS-1150A-LED 0.75" Round Opening

SCS-1150A-LED..... 0.85" Square Opening

Output Terminals

Screw type for 14 AWG solid or stranded,

Tighten to 5 in-lbs. Torque

HOUSING

A.B.S. General Electric Cyclocac Grade KJW-4051

U.L. Flame Retardant Rating 94V-0. (Black)

SETUP & ADJUSTMENT

1. Install sensor over conductor and wire as shown in the connection diagram.

2. The sensor is shipped with the multi-turn adjustment set to the most sensitive position (CW). If the sensor now operates, turn the adjustment counter-clockwise (CCW) until the operation reverses. The smart LED will indicate this action.

3. Now turn the adjustment CW until the sensor just operates its controlled circuit. It is desirable to turn the adjustment slightly beyond this threshold point to provide a margin for normal current variations.

4. The smart LED eliminates the need for a voltmeter. The LED will switch from rapid to slow flashing when going below the trip point.

Note 1: For loads above highest range selection use an external current transformer with an appropriate ratio (I.E. 500:5), feed C.T. secondary one turn through window of unit.

Note 2: Locked rotor current of 2.5 times the range setting for longer than 5 seconds can damage the unit.

LED INDICATOR THE LED INDICATES THREE STATES

1. Rapid Flashing..... Tripped

2. Slow Flashing..... Current Present but Below Set point

3. No Flashing..... Current Off or Below Bottom Range

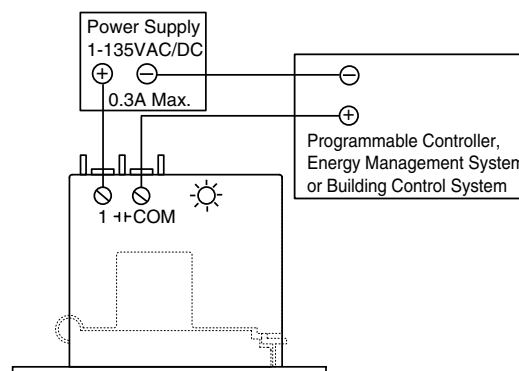


Model CS-1150A-LED
(Solid-Core)



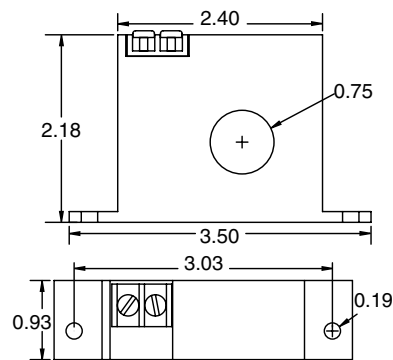
Model SCS-1150A-LED
(Split-Core)

CONNECTION DIAGRAM



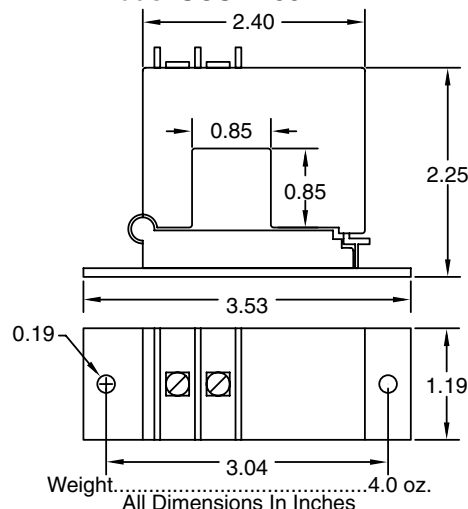
DIMENSIONS

Model CS-1150A-LED



Weight.....2.9 oz.

Model SCS-1150A-LED



Weight.....4.0 oz.
All Dimensions In Inches

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