

CURRENT SWITCHES

SPLIT-CORE AC CURRENT OPERATED SWITCH

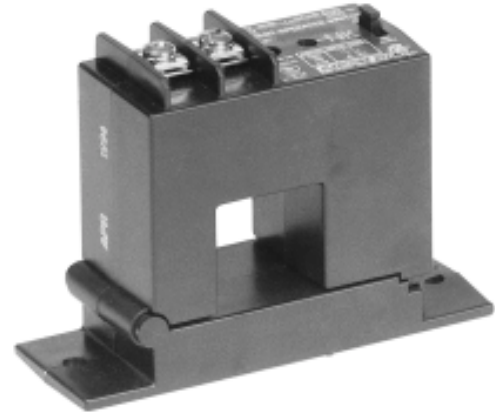
MODEL SCS

FEATURES

- Split-Core
- Adjustable Setpoint
- Self-Powered
- 5 Year Warranty
- Smart LED
- UL Listed
- Switches AC or DC

APPLICATION

- Monitor AC for fans, pumps, and other electrical equipment.
- Monitors VFD application to 6Hz.
- Installs without power interruption



SCS SPECIFICATIONS

INPUT

Current
 Range 1.5-150 Amps
 Burden01 VA at 60Hz.
 Threshold Setting
 Adjustable Potentiometer 4 turns/Slip clutch
 Insulation 600VAC

OUTPUT

Solid State Switch
 Switches 1 to 135Vac/DC
 Current
 On-State 0.3 Amps Max.
 Off-State 5.0mA Typ.
 LED (Off-State) No Leakage

Temperature Range -50°C to 65°C

WIRING CONNECTIONS

Input Clamp unit around current carrying cable.
 Size 0.85" square opening for up to #4/0 cable or larger depending on insulation.
 Output Terminals
 Screw type for #14 A.W.G. solid or stranded

HOUSING

A.B.S. General Electric Cyclocac
 Grade KJW-4051 U.L. Flame
 Retardant Rating 94V-0.
 (Black)

SETUP & ADJUSTMENT

1. With the sensor wired as shown, use a voltmeter across the sensor contacts. A full voltage across the contact confirms the switch is open. Turn on the motor or other load being monitored.

2. The sensor is shipped with the 4-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 meter 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. (Option - LED).

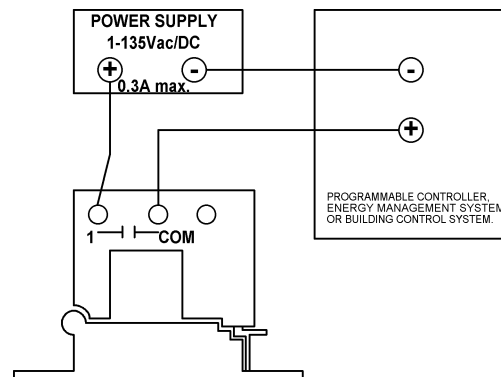
Note 1: For loads above highest range selection use an external current transformer with an appropriate ratio (I.E.500:5), feed C.T. secondary one turn through window of unit.

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

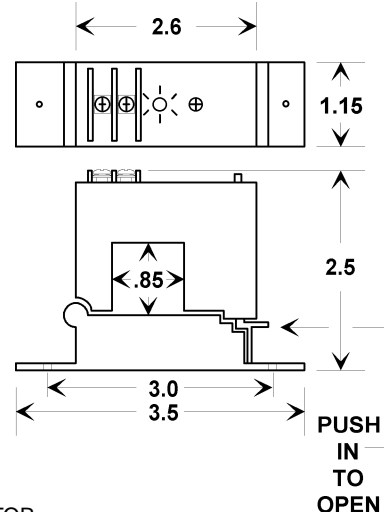


Model SCS-1150A-LED

CONNECTIONS



DIMENSIONS (INCHES)



LED INDICATOR

1. Rapid Flashing ... Tripped
2. Slow Flashing Below Setpoint
3. No Flashing Current off or below bottom range

CURRENT SWITCHES

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