

Model CS-150 and CSS-150 Open Loop Hall Effect

Current Sensors

Description

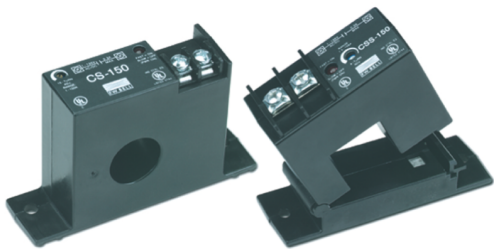
The Models CS-150 and CSS-150 detect AC current from 1 to 150 amps and provide a solid state switched output when the current exceeds the adjustable trip point. Adjustment is made by a multi-turn trim pot. A flashing LED gives visual indication of the trip point. The CSS-150 clamps over existing wiring for easy installation. UL listed.

Features

- Adjustable trip range from 1 A to 150 A (split core- 1.5 A to 150 A)
- Simple two wire connection
- Split core for easy installation
- Built in LED indicates On/Off status
- Switch rated 1 to 135 volts AC or DC

Applications

- Sense broken belts on motors
- Detect open heater strips
- Sense clogged air filters
- Detect burned out navigation lights
- Operational status of fans, motors and pumps.



Electrical Specifications

	Units	CS-150	CSS-150
Detection Range	Amps	1 - 150	1.5 - 150
Hysteresis (Deadband)			
1 A setting	mA	50	
50 A setting	Amps	2.5	
150 A setting	Amps	7.5	
Frequency Range	Hz	6 to 100	
Switch contacts (Solid State)			
Voltage Range	VAC/DC	1 to 135	
Maximum Current	A AC/DC	0.3	
Response Time (maximum)	ms	250	
Over-Range capability			
400 A	seconds	6	
1000 A	seconds	1	
UL Voltage rating	V	1,250	

General Information

Operating Temperature	°C	-50 to +65	
Aperture Opening	Inches(mm)	0.73 (18.5) DIA.	+0.85 (21.6)
Weight	Grams	98	121
Mounting		Panel mount via two #6 screws	

Notes:

- The output contacts are normally open. Contacts close when the current exceeds the set point. The output contacts can accept AC or DC and are not polarity sensitive.
- The LED indicates three possible operating states: Fast Flashing indicates power is on and sensor contacts are closed. Slow Flashing indicates power is on, but sensor is below trip point and No Flashing indicates power is off or below minimum range of sensor.
- Due to continuous process improvement, all specifications are subject to change without notice.

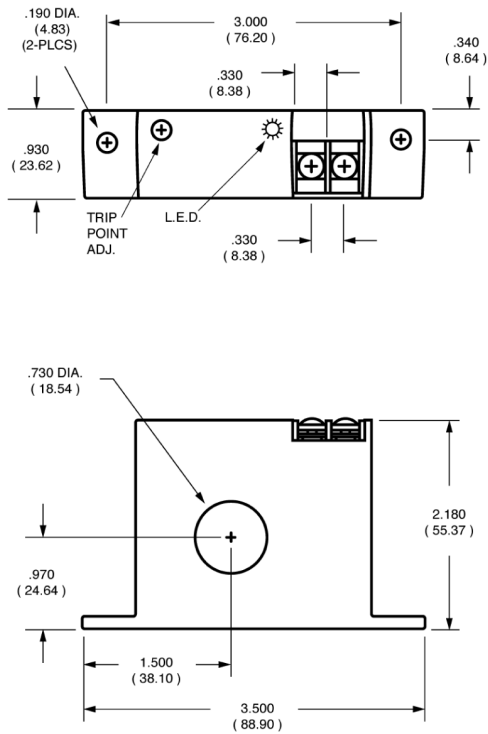


Model CS and CSS-150

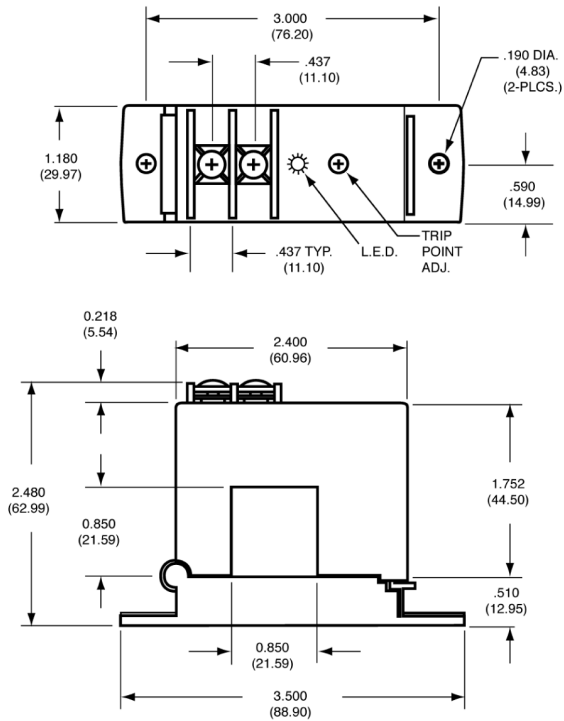
Mechanical Dimensions

All dimensions are in inches (millimeters)

CS-150

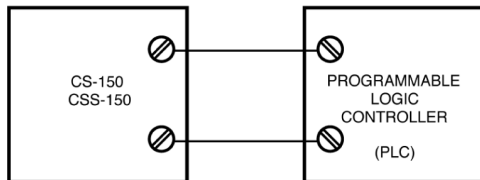


CSS-150

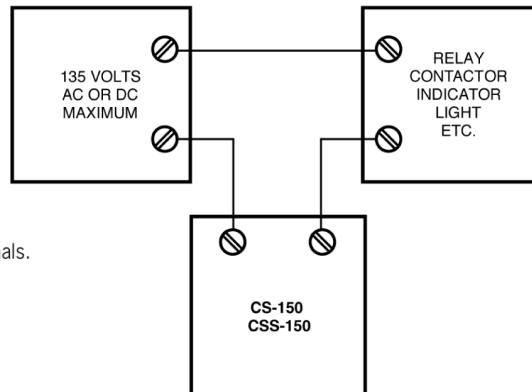


Connection Schematic

Sensor acting as shorting contact
(not polarity sensitive)



Sensor in series with power source



Connection to sensor is made via two 6-32 screw terminals.

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