

Product Data

A/MCS-A Series A/MSCS-A Series Solid and Split-Core Adjustable Current “Status” Switches

Product Description

The A/MCS-A and A/MSCS-A are N/O solid state adjustable current switches. These current sensors are ideal for providing status information on any AC current using equipment. The A/MCS-A series is excellent for new installations where the conductors can be run through the housing before connecting the wires. The A/MSCS-A switches are ideal for retrofit applications, since their split core design allows them to be opened and clamped around the existing wires without disconnecting the current being monitored. Both of these units do not need power supplied to them as they induce the current from the conductors being monitored.

The A/MCS-A and A/MSCS-A both have outputs that are non-polarity sensitive N/O solid-state contacts for switching both AC and DC circuits up to 36 volts. These switches also include two Status LED indicators that will indicate three states: tripped on, current present but below trip point, and current off or below the low end of the adjustable trip point range.

The A/MCS-A and A/MSCS-A adjustable current switches can be used to monitor any change in AC current. A change in current may indicate motor failure, belt loss/slippage, or mechanical failure. Any time one of these events occurs, the current can significantly decrease, thus tripping the current switch and immediately notifying the Building Management System of the failure or problem.

Product Specifications

Sensor Power	Induced from monitored conductor
Amperage Rating	MCS-A 0.32 to 150 Amps continuous MSCS-A 0.70 to 150 Amps continuous
Max. Sensing Current Voltage	600 VAC
Isolation Voltage	2,200 VAC
Operating Frequency	50Hz, 60Hz
Output Rating	A/MCS-A: 1A Continuous 36 VAC/VDC A/MSCS-A: 1A Continuous 36 VAC/VDC
Status LED Indication	Red LED - Above Trip Point Blue LED - Under Trip Point
Aperture (Hole) Size	A/MCS-A- 0.55" dia., up to 1 AWG cables A/MSCS-A- 0.53" dia., up to 1 AWG Cables
Dimensions (LxWxH)	A/MCS-A 2.50" x 1.96" x 0.95" A/MSCS-A 2.65" x 2.35" x 0.95"
Operating Temperature Range	-30° to 60°C (-22°F to 140°F)
Operating Humidity Range	0 to 95% RH, non-condensing

Note: DO NOT use the LED's to indicate whether the sensors have power applied to them.

Current

Attributes:

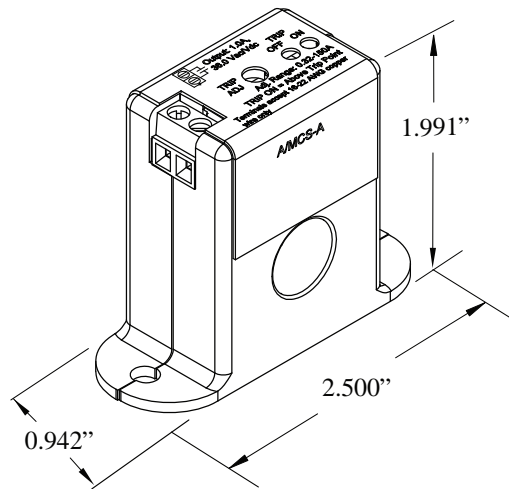
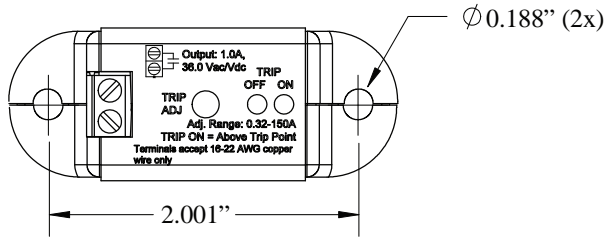
- "Go/NoGo" Status Switch
- Rated up to 150 Amps
- Limited 5 year warranty
- UL94-V0 (enclosure rating)
- LED Indication

Applications:

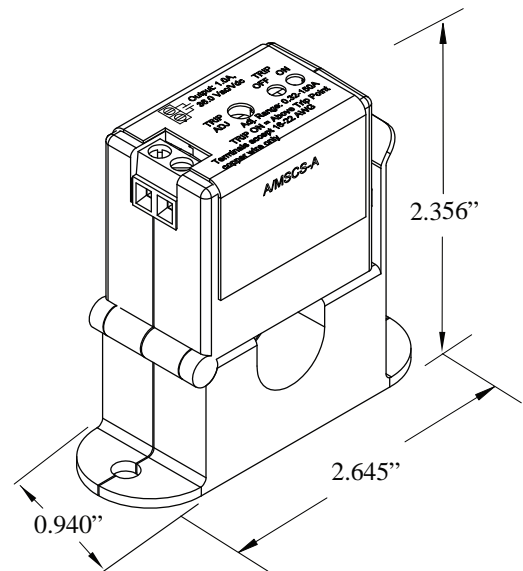
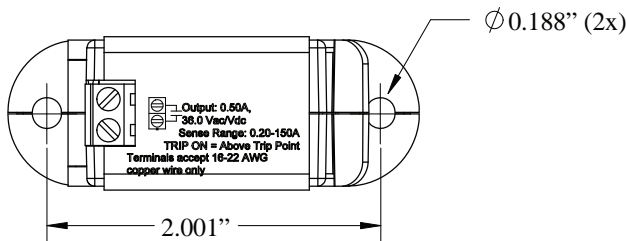
- Fans, Pumps, and Compressors
- Critical Motors
- Lighting Circuits
- Ancillary Equipment

Dimensions

Solid Core



Split Core



Ordering Information



Model #	Description	Adjustable Trip Point
A/MCS-A	Solid-Core, Adjustable Current Switch, N/O, 0-150A	0.32-150 Amps
A/MSCS-A	Split-Core, Adjustable Current Switch, N/O, 0-150A	0.70-150 Amps

Warning: Not intended to be used in Life & Safety Applications or for use in any hazardous locations.