

Quick Start Guide

The ACSN100 current switch is a self-powered sensor which provides a solid state contact closure indication of current flow through a conductor. It is intended for use in control panel applications to give an input to a controller as confirmation of current flow.

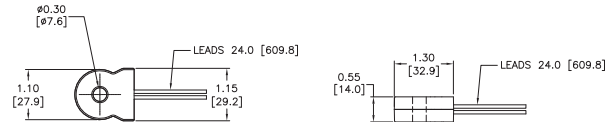


Specifications	
Monitored Circuit	0-100A, 600VAC line-to-line max
Frequency	50-400 Hz
Output Switch	Solid-state, normally open, 150mA, 120VAC/DC (not polarity sensitive)
Setpoint	Non-adjustable, 0.5 A
Aperture	0.30" ID
Case	UL94V-0 Flammability Rating
Mounting	Slides directly onto monitored conductor
Isolation Voltage	3kV (monitored line to output)
Environmental	Operating temperature: -4 to 122°F (-20 to 50°C)
	Relative humidity: 0-95% RH, Non-condensing
	Pollution Degree 2
	Altitude to 2000 meters
Agency Approvals	UL/cUL (E222847), CE

Dimensions

Inches [mm]

Maximum Input Amps		
Continuous	6 Sec.	1 Sec.
100	400	1000



Installation

The ACSN100 current switch is mounted by sliding the unit directly onto the current-carrying conductor. It may be secured with a tie wrap or with multiple turns of the conductor. The 24 inch leads can be used to switch an AC or DC load up to 120 volts and up to 150mA. Install with monitored circuit de-energized and with the output leads not connected to the load.

For products intended for the EU market, the following is applicable to the CE compliance of the product:

The ACSN100 series complies with EN61010-1 CAT III 300V max line-to-neutral measurement category. If insulated cable is used for the primary circuit, the voltage rating can be improved according to the insulation characteristics given by the cable manufacturer.



WARNING! RISK OF ELECTRICAL SHOCK OR PERSONAL INJURY. MUST CONSULT DOCUMENTATION WHERE THIS SYMBOL IS MARKED. IF EQUIPMENT IS USED IN A MANNER NOT SPECIFIED, THE PROTECTION BY EQUIPMENT MAY BE IMPAIRED.



WARNING! HAZARDOUS VOLTAGE. WHEN OPERATING THE CURRENT SWITCH, CERTAIN PARTS OF THE MODULE MAY CARRY HAZARDOUS VOLTAGE (E.G. PRIMARY CONDUCTOR, CONTROLLED LOAD). THE SWITCH SHOULD NOT BE PUT INTO OPERATION IF THE INSTALLATION IS NOT COMPLETE.



AutomationDirect.com (ADC)
3505 Hutchinson Road, Cumming, GA 30040
Phone: (800) 633-0405 or (770) 889-2858
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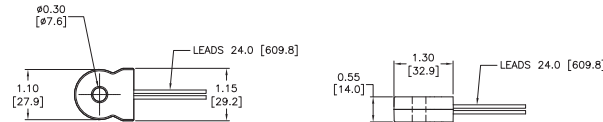


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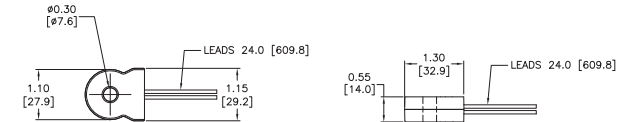


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