

349 Series - Over/Under Voltage Sensor Relay SPDT- 4PDT, 10 Amp

Under / Over voltage sensing relay incorporating 219 series internal components coupled with an electronic module. Pull-in voltage is adjustable from 85 to 135VAC for frequencies ranging from 50 to 400 hertz. Hysteresis is typically set for a 4 volt differential but can be user adjustable from 3 to 14 volts when external connections are available.

GENERAL SPECIFICATIONS (@ 25° C)

Contacts:
Contact Configuration
Contact Material Contact Material
Contact Rating
120 / 240VAC Resistive
28VDC Resistive
Motor 120VAC
Motor 240VAC
Minimum Contot Load
Contact Resistance Initial Contact Resistance, Initial

Up to 4 pole Silver Alloy Gold Diffused

10 Amp / 10 Amp 10 Amp

500mW 100 milliohms max @ 6VDC

Coils Available Power Consumption Input Voltage Absolute Maximum Pickup Voltage Range Dropout Voltage Range Transient Protection Reverse Polarity Protection

AC 5VA +60% of nominal 3 to 14 volts over drop out 85 to 135VAC Yes N/A Continuous

Dielectric Strength:

Across Open Contacts
Between Mutally Insulated Points Insulation Resistance

500Vrms 1500Vrms 1,000 Mohms min @ 500VDC

Temperature:

Operating Storage

20 to 60°C (-4 to 140°F) -40 to 85°C (-40 to 185°F)

Life Expectancy:

Electrical (full load operations)
Mechanical (no load operations)

100,000 10,000,000

Miscellaneous:

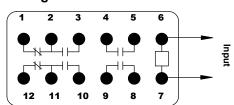
Mounting Position Mating Socket Accessories Enclosure Weight

Any 27390, 27390D Hold down clip integral to relay Clear Polycarbonate 8.6oz (244 grams)

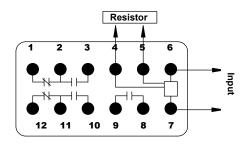


349 Wire Diagram

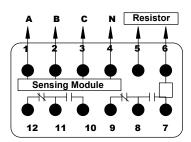
Single Phase - 349BBX



Single Phase - 349ABX



Three Phase - 349XBX



Timer / Sensor - Voltage Sensing Relay

10 - 14 Amp

Outline Dimensions

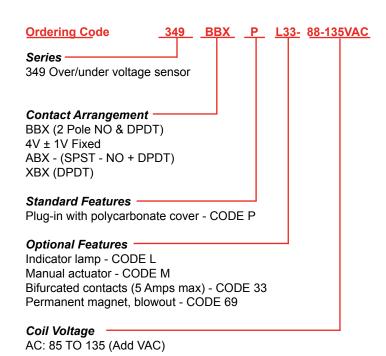
Dimensions Shown in inches & (millimeters)

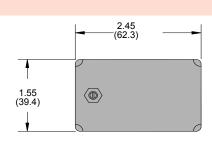
349 Contact Load Specifications

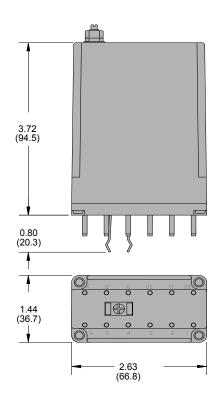
Voltage	Make	Carry	Resistive	Inductive
120VAC	30 Amp	10 Amp	10 Amp	3 Amp
240VAC	30 Amp	10 Amp	5 Amp	1 Amp
24VDC	30 Amp	10 Amp	10 Amp	5 Amp
28VDC	30 Amp	10 Amp	10 Amp	3 Amp
125VDC	30 Amp	10 Amp	0.5 Amp	0.1 Amp
For versions with suffix "69" permant magnet blowouts				
Voltage	Make	Carry	Resistive	Inductive
125VDC (SM)	30 Amp	10 Amp	1.5 Amp	0.5 Amp
125VDC (DM)	30 Amp	10 Amp	4 Amp	1.5 Amp
250VDC (SM)	30 Amp	10 Amp	0.5 Amp	150 mAmp
250VDC (DM)	30 Amp	10 Amp	1.5 Amp	0.5 Amp

Note: SM = Single make DM = Double make

> 349 ABXP & XBXP style the differential adjustment is extremely adjustable from 3 to 14 volts







*Externally adjustable differential 3 to 14V