

Features

- UL 913 listed.*
- Compact Design
- Finger safe terminals.
- DIN rail or surface mountable.
- LED state indicator.
- Isolated output relay for PLC or control voltage.



Motorsaver
THREE-PHASE ELECTRIC MOTOR PROTECTOR

Model ISS-101

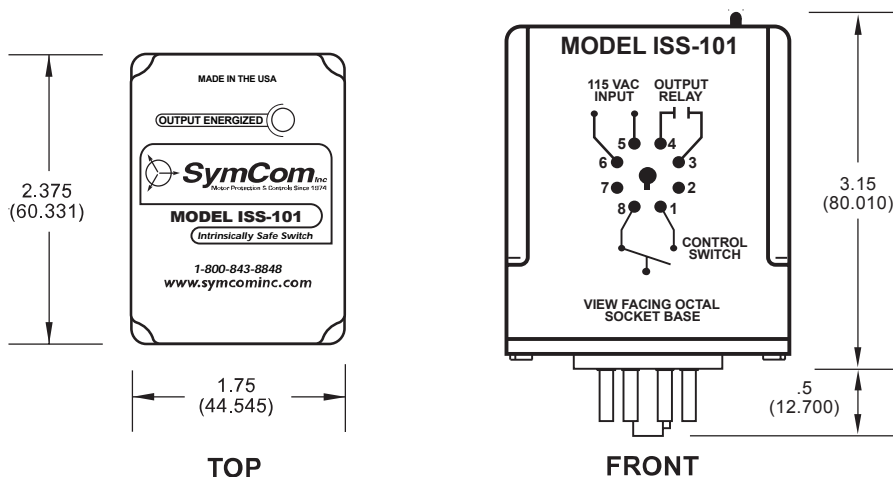
Intrinsically
Safe Switch

•
Engineered
Protection

•
Made in USA

The **Model ISS-101**, a plug-in style isolated switch, is UL 913* listed as an associated apparatus for interfacing between hazardous and non-hazardous areas. The ISS-101 must be installed in a non-hazardous area. Follow SymCom's Control Drawing 101 for proper installation.

**Meets all new requirements for UL 913 sixth edition, August 8, 2002!*



Specifications
•
Operating Points
•
Special Options

Model ISS-101 INTRINSICALLY SAFE SWITCH

SPECIFICATIONS

Supply Voltage90 - 120 VAC

Relay Output Rating

General Purpose.....8 Amps @120 VAC
Pilot Duty180 VA @115 VAC, C300
Relay Contact Life (Electrical)100,000 cycles min. @ rated load
Relay Contact Life (Mechanical)10,000,000 cycles

Operating Temperature-20 to 55° C

Weight.....8 oz.

Power Consumption1.5 Watts max.

Wire range12 to 22 AWG

Recommended Terminal Torquemax. 6 in. lbs.

Provides intrinsically safe circuits

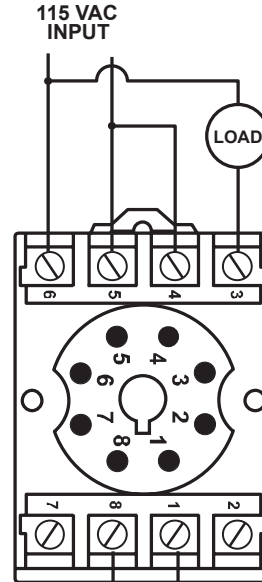
in the following locations:.....Class I, Groups A,B,C,D;
Class II, Groups E,F,G;
and Class III

Entity Parameters $V_{OC} = 16.8 V$
 $I_{SC} = 1.7 mA$
 $L_a = 0$
 $C_a = 0$

Standards Passed

Electrostatic Discharge (ESD)IEC 61000-4-2, Level 3, 6kv contact, 8kv air
Radio Frequency Immunity (RFI)IEC 61000-4-2, Level 3, 10V/m
Fast TransientsIEC 61000-4-4, Level 3, 4kv input power

SymCom warrants its products against defects in material or workmanship for a period of two (2) years from the date of manufacture. For complete information on warranty, liability, terms, returns, and cancellations, please refer to the SymCom Terms and Conditions of Sale document.



Non-Hazardous Location

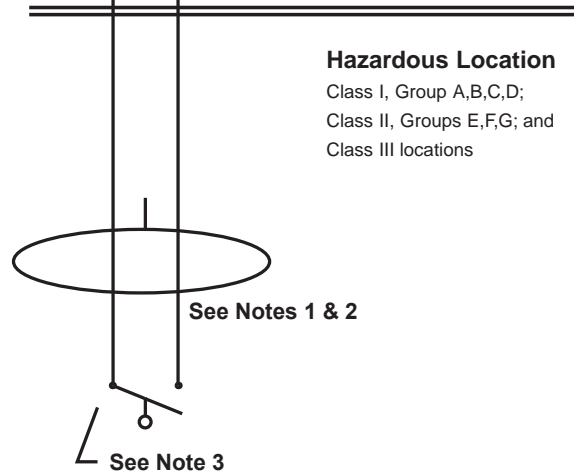
Supply Voltage
90 - 120 VAC
Relay Output Rating
8 Amps @120 VAC General Purpose
Pilot Duty 180 VA @115 VAC, C300
Maximum Ambient Temp. Rating
55° C

WARNING!
To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing.

UL listed when used with Part No. OTO8, manufactured by Custom Connector Corp. or Part No. PF083A-E, manufactured by OMRON

Hazardous Location

Class I, Group A,B,C,D;
Class II, Groups E,F,G; and
Class III locations



CONTROL DRAWING

NOTES:

1. Maximum distance between unit and switch contact contact is 10,000 feet.
2. All non-intrinsically safe wiring shall be separated from intrinsically safe wiring per NEC article 500 and ANSI/NFPA 70.
3. All switch contacts shall be non-energy storing, containing no inductance or capacitance.
4. Entity Parameters
 $V_{OC} = 16.8 V$
 $I_{SC} = 1.7 mA$
 $L_a = 0$
 $C_a = 0$