SymCom’s ISS-102ACI-MC (Multi-function Controller) is user-configurable as a single or dual-channel switch, or pump-up/pump-down controller.

The intrinsically-safe inputs are compatible with normally open (N.O.) or normally closed (N.C.) switches, as well as resistive probes. Input logic can be either direct or inverted. Input debouncing is selectable to either 0.5 or 2 seconds. For pumping applications, differential/latching logic can be selected.

Green LEDs illuminate on the ISS-102ACI-MC when the associated output relay is energized.
## Specifications

### Functional Specifications:

| Entity Parameters: | \( \text{Voc} = 16.8 \text{V} \quad \text{Ca} = 0.39 \mu \text{F} \)  
| | \( \text{Isc} = 1.2 \text{mA} \quad \text{Po} = \frac{\text{Voc} \times \text{Isc}}{4} \)  
| Hazardous Locations | Class I, Division I & II, Groups A, B, C & D;  
| | Class II, Division I & II, Groups E, F & G;  
| | Class III locations  
| Adjustments/Settings | Sensitivity (for resistive probes): \( 4.7k - 100k\Omega \)  
| | Mode Selection: Differential/Latching; 1-channel or 2-channel switch  
| | Input Logic: Direct or inverted  
| | Debounce Time Delay: 0.5 or 2 seconds  

### Input Characteristics:

| Supply Voltage: | 120VAC nominal  
| Frequency: | 50-60 Hz  

### Output Characteristics:

| Relay Output Rating: | 5 Amps @ 120VAC General Purpose  
| | Pilot Duty 180VA @ 120VAC, C150  
| | Phoenix Contact - Series MSTB plugs (or equivalent)  
| Depluggable Connector (included) | Output Relay Status Indicators  
| LEDs (green) |  

### General Characteristics:

| Operating Temperature: | -20 to 55°C  
| Terminals: |  
| Wire Size | 12-20 AWG  
| Torque | 6 in.-lbs. (max.)  
| Standards Passed: |  
| Electrostatic Discharge (ESD) | IEC 61000-4-2, Level 3, 6 kV contact, 8 kV air  
| Radio Frequency Immunity (RFI) | IEC 61000-4-2, Level 3, 10V/m  
| Fast Transients | IEC 61000-4-4, Level 3, 4 kV power terminals, 2kV input/output terminals  
| Safety Marks: |  
| UL | UL913 (File #E233355)  
| Dimensions: | 3.5”L x 2.1”W x 3.2”D (D w/out connector – 2.5”)  
| Weight: | 9 oz.  
| Mounting Methods: | 35 mm DIN rail or Surface Mount (#6 or #8 screws)  

### How to order:

Part Number: ISS-102ACI-MC  

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