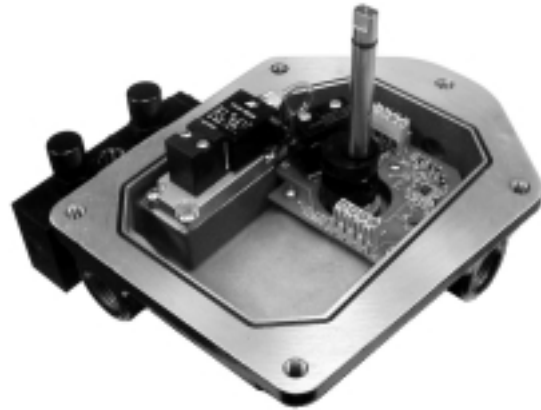


AS-i Bus Card for BUSwitch™ and UltraSwitch™ Enclosures

Introduction

Automax's AS-i Bus card allows on-off control of pneumatic rotary actuators through 2-wire digital networks featuring the AS-i communication protocol. Our AS-i card controls up to two solenoid coils and reads the status of two actuator position limit switches. This data is transmitted and received in the standard AS-i format of two inputs (switches) and two outputs (solenoids).



Applications

Regardless of enclosure selection, AS-i cards are designed to provide accurate and reliable position signaling and control. The AS-i card may be provided in any of the following Automax enclosures:

- BUSwitch™ enclosure for integrated solenoid valve applications in hazardous-classified areas
- AXL series UltraSwitch™ enclosure for external solenoid valve applications in hazardous-classified areas
- APL series UltraSwitch™ enclosure for external solenoid valve applications in corrosive environments
- AGL series UltraSwitch™ enclosure for external solenoid valve applications in general purpose environments

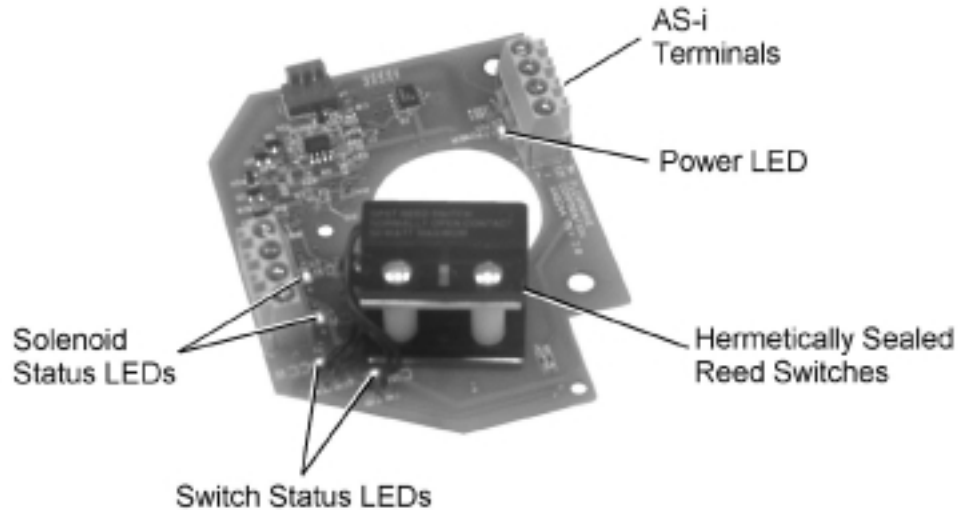
All Automax enclosures may be installed on any actuator conforming to the NAMUR standard for accessory mounting bolt pattern and pinion height without a coupler (see Bulletin PS0037). This reduces deadband and is less expensive. Automax also offers a full line of mounting hardware for non-NAMUR actuators. Single coil (fail open or fail closed) and dual coil (fail in last position) modes are accommodated simply by wiring one or two coils to the AS-i card and using one or two AS-i outputs. Durable construction and corrosion resistant materials/coatings provide protection against the toughest applications in all process industries including:

1. Chemical and Petro-Chemical
2. Power
3. Food and Beverage
4. Pharmaceutical
5. Municipal and Wastewater treatment

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Features

1. Two bus terminal connections for daisy chain wiring in hazardous areas utilizing explosion-proof conduit.
2. Bus power indicating LED.
3. Solenoid status LED's provide local indication of AS-i solenoid commands.
4. Switch status LED's provide local indication of switch states to simplify calibration.
5. Hermetically sealed reed switches provide optimal load characteristics and prevent contact degradation caused by corrosive environments.

Materials of Construction and Dimensions

Refer to enclosure Product Specifications for materials and dimensions.

Hazardous Location Approvals

Pending

Temperature Range

Board: -55 to 185 Degrees F

Enclosure: refer to technical specifications for individual enclosures and solenoid valves.

How-to-Order

- BUSwitch™ enclosures: Substitute the characters "FA" for the protocol option.
- UltraSwitch™ enclosures: Substitute the character "Z" for the switch option in any UltraSwitch model number.