Intelligent Loop Isolator & Isolating Detector Bases

Available in two versions, Loop Isolator only and Isolating Detector Base for Intelligent Detector mounting, the Intelligent Isolators offer superior SLC loop protection. The Intelligent Isolators sense and isolate short-circuit faults associated with AxisAX Series SLC loop wiring.

Under normal operation, the SLC loop power and communications are passed through the Isolators. If a short-circuit or an abnormally low line impedance occurs, the isolator senses the drop in voltage and isolates the negative supply of the SLC loop, in the direction of the fault. The short-circuit fault will be indicated on the AxisAX Series Intelligent Fire Alarm Control Panel’s graphical display and on the isolators via an illuminated yellow LED. If an intelligent detector is associated with an active short-circuited isolating base, the detector will continue to function properly. During the isolated condition the isolating base will continually test the circuit, and when the fault is rectified will automatically restore the isolated SLC loop to normal.

If an installation requires that not a single intelligent device be lost in the event of a single short-circuit to an SLC loop (“true” NFPA Style 7 circuit), every device on the AxisAX Series SLC loop should be protected by an isolator. In applications requiring minimal short-circuit protection (not necessary to provide a “true” NFPA Style 7), isolated groups of devices can be created with one Isolator protecting a maximum group of twenty intelligent detectors/devices. Each AxisAX Series Intelligent Fire Alarm Control Panel’s SLC’s have built-in isolators.

Isolating Detectors Bases are specifically designed to enable “one-way only” intelligent detector insertion without the need for force. Simply insert the detector and rotate clockwise. Incorporating a high degree of protection against unauthorized removal of detectors, each base can be locked to it’s associated detector by a mini-hexagonal screw.

Both the Loop Isolator and the Isolating Detector Bases have a wide interior diameter for ease of access for wiring to in-out terminals. Though not required for proper operation, each unit has a dedicated earth connection.

Features:
- Low-Profile Design
- Built-in short circuit yellow LED Indicator
- 3” or 4” Square or Octagonal Electrical Box Mount
- “One-Way-Only” Detector Insertion
- Base to Detector Locking Mechanism

Listings and Approvals:
- ETL ANSI/UL 864 Listed: 3118002NYM-001B
- UL file: UROX.S7003 / ML file: S24460
- CSFM Approved: 7300-1713:106
- NYC MEA: 294-95-E-4
As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.