For use with Simplex® 4100ES, 4100U and 4010ES Fire Alarm Control Panels providing IDNet™ communications

Addressable communications supply both data and power over a single wire pair to provide:
- Supervised Class B monitoring of normally closed or normally open dry contact security devices
- Monitored conditions are Open, Normal, Abnormal, and Short
- Abnormal occurs with ±50% of monitor loop current change
- Total wiring distance from Security IAM to supervised contacts up to 500 ft (152 m)

Compact, sealed construction:
- Enclosed design minimizes dust infiltration
- Mounts in a standard single gang electrical box
- Screw terminals for wiring connections
- Visible LED flashes to indicate communications
- Optional covers are available to allow LED to be viewed after installation (requires mounting bracket, ordered separately)

UL listed to Standard 1076

Description

Security Monitor IAM model 4090-9121 has both power and communications supplied by a two-wire 4100ES, 4100U or 4010ES IDNet circuit. It provides location specific addressability for up to five initiating devices (such as window or door magnet switch contacts or other similar security devices) by monitoring the circuit wiring connections to either normally closed or normally open dry contacts (one type per IAM).

Operation. When the circuit is “armed” by selection from the fire alarm control panel, such as during nonworking hours, monitor loop activity (short, open, or abnormal) causes a priority 2 alarm at the panel.

When the circuit is “disarmed”, such as during normal working hours, normal and abnormal conditions would be tracked as events. Depending on the point type selected, an open or short in the monitored circuit wiring will cause a trouble to be reported or a short can be tracked as an event.

* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7300-0026:252 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of SimplexGrinnell LP, Westminster.
Mounting Information

NOTE: These mounting plates require mounting bracket 4090-9810.

Optional Trim Plates and Mounting Bracket for Visible LED