Simplex®

UL, ULC, CSFM Listed;
*FM Approved**

Multi-Application Peripherals

IDNet Communicating Devices
Model 4090-9010, 8 A Relay IAM

Features

Individual Addressable Relay Module (Relay IAM):

- A single addressable point provides control and status tracking of separate, 8 A Normally Open (Form A, NO) and 8 A Normally Closed (Form B, NC) contacts
- Low power latching relay design allows IDNet communications to supply both data and module power
- Operation upon loss and restoration of communications is switch selectable to either reset the output relays to normal or to keep them latched in the selected state

For use with following Simplex® control panels:

- Model Series 4007ES, 4008, 4010, 4010ES, 4100ES, and 4100U fire alarm control panels for IDNet communications

Compact construction:

- Mounts in standard 4" (102 mm) square electrical box, optional adapter bracket is available to mount in a 4 $^{11}/_{16}$" square electrical box
- Screw terminals for wiring connections
- Visible LED flashes to indicate communications, can be selected at panel to indicate activated state
- Optional 4" square box covers are available to allow LED to be viewed after installation

UL listed to Standard 864

Description

8 A Relay IAMs allow fire alarm control panels to control a remotely located NO and NC contact using IDNet addressable communications for both data and module power. Typical applications would be for switching local power for control functions such as elevator capture, or control of HVAC components, pressurization fans, dampers, etc. Relay status is also communicated requiring only one device address.

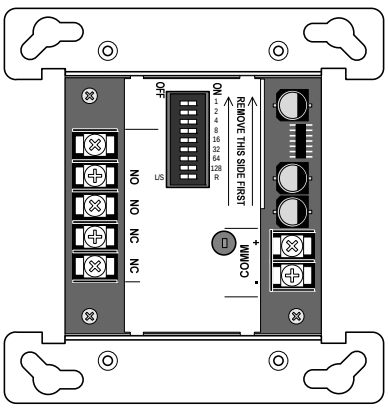
Product Selection

Model	Description
4090-9010	8 A Relay IAM

Optional Trim Plates and Adapter

Model	Description	
4090-9801	For semi-flush mounted box	Trim plate, galvanized steel, with LED viewing window; includes mounting screws
4090-9802	For surface mounted box	
4090-9813	Adapter plate to fit 4 $^{11}/_{16}$" (119 mm) square electrical box	

* 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 7300-0026:0311 for allowable values and/or conditions concerning material presented in this document. 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 Tyco Fire Protection Products.



4090-9010 8 A IDNet Relay IAM Package
(shown approximately 1/2 size)

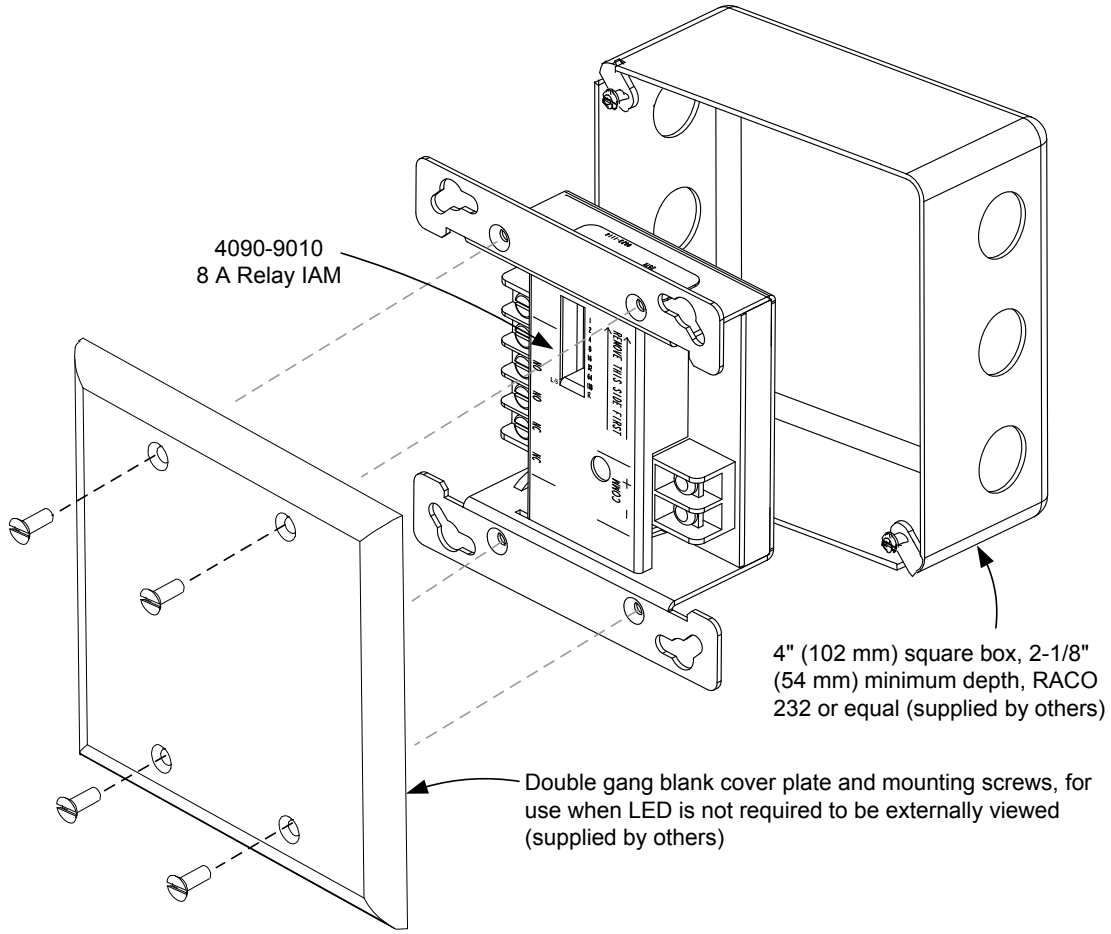
Specifications

Communications	IDNet communications, 1 address per device
Relay IAM Power	Supplied by IDNet communications
Installation Instructions	579-1063
Contact Ratings* (not rated for incandescent switching)	
Type	Separate contacts; 1, NO and 1, NC
Maximum Voltage Ratings	250 VAC or 30 VDC
Current Ratings	8 A, resistive
	3.5 A, inductive at 0.35 PF
* Provide circuit fusing and transient suppression as required per application. DC inductive loads can typically be diode suppressed; 120/240 VAC loads may require RC networks or varistors, depending on device type. Refer to Installation Instructions for additional information.	
Wire Connections	Screw terminals for in/out wiring, 18 to 14 AWG wire (0.82 to 2.08 mm^2)
IDNet Communications Wiring Reference	Up to 2500 ft (762 m) from control panel
	Up to 10,000 ft (3048 m) total wiring distance (including T-Taps)
	Compatible with Simplex 2081-9044 Overvoltage Protectors
Dimensions	4 ⅛" H x 4" W x 1 ⅜" D (105 mm x 102 mm x 35 mm)
Mounting Plate	Sheet metal, galvanized
Temperature Range	32° to 120° F (0° to 49° C), intended for indoor operation
Humidity Range	Up to 93% RH at 100° F (38° C)

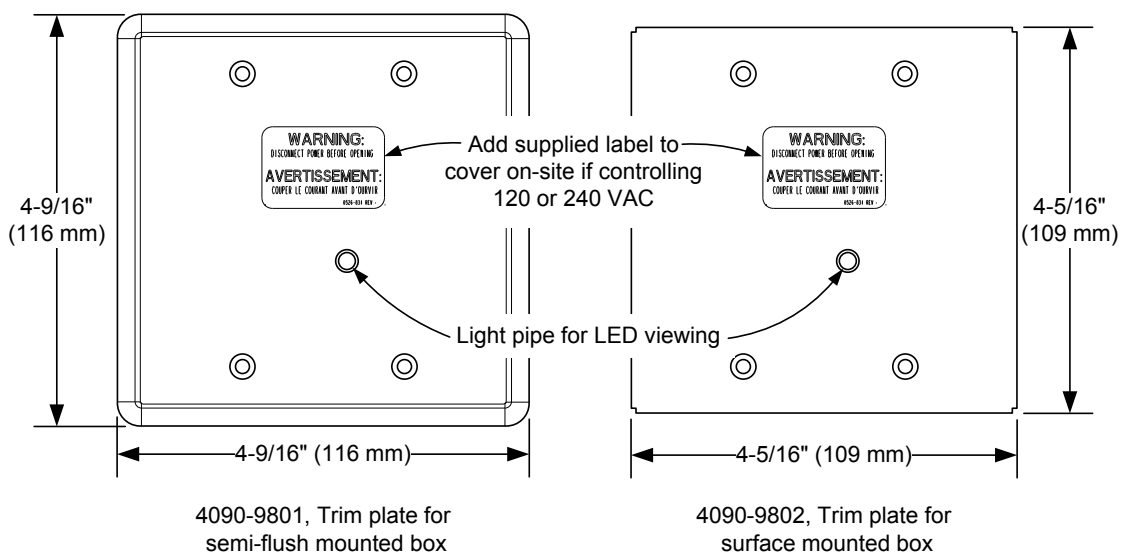
S4090-0015-1 11/2014

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8 A Relay IAM Mounting Information



Mounting Reference, Double Gang Blank Cover Plate



4090-9801, Trim plate for semi-flush mounted box

4090-9802, Trim plate for surface mounted box

Optional Trim Plates for Visible LED

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