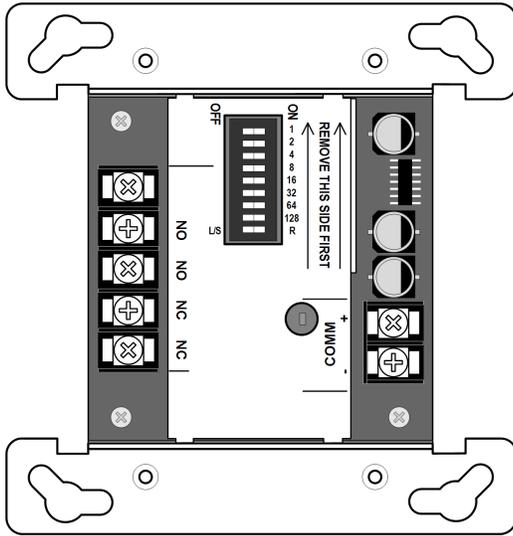


Features

Fig 1: A4090-9010 8 A IDNet Relay IAM Package
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 Autocall control panels:

Model Series 4007ES, 4010ES, 4100ES 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
Table 1: Communicating Device

SKU	Description
A4090-9010	8 A Relay IAM

Table 2: Optional Trim Plates and Adapter

SKU	Description
A4090-9801	For semi-flush mounted box
A4090-9802	For surface mounted box
A4090-9813	Adapter plate to fit 4 11/16" (119 mm) square electrical box

Specifications
Table 3: Specifications

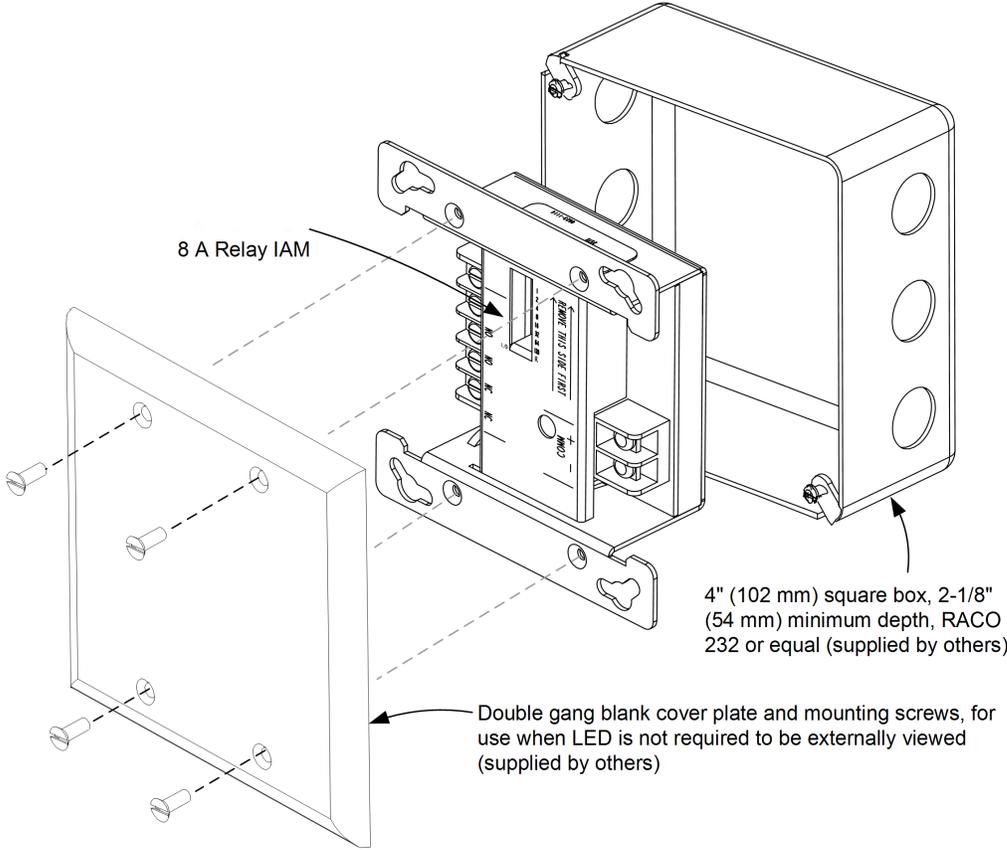
Specification	Rating
Communications	IDNet communications, 1 address per device
Relay IAM Power	Supplied by IDNet communications
Installation Instructions	579-1063AC

Table 4: Contact Ratings* (not rated for incandescent switching)

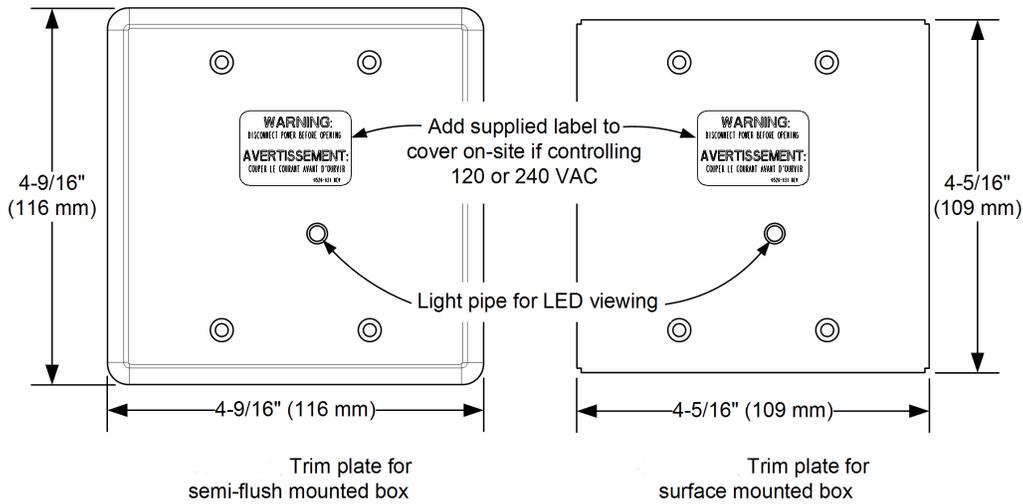
Specification	Rating
Type	Separate contacts; 1, NO and 1, NC
Maximum Voltage Ratings	250 VAC or 30 VDC
Current Ratings	8 A, resistive 3.5 A, inductive at 0.35 PF
Wire Connections	Screw terminals for in/out wiring, 18 to 14 AWG wire (0.82 to 2.08 mm ²)
IDNet Communications Wiring Reference	Up to 2500 ft (762 m) from control panel Up to 10,000 ft (3048 m) total wiring distance (including T-Taps) Compatible with A2081-9044 Overvoltage Protectors
Dimensions	4 1/8" H x 4" W x 1 3/8" 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)
Note:	* 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.

* Additional listings may be applicable; contact your local product supplier for the latest status.

8 A Relay IAM Mounting Information



Mounting Reference, Double Gang Blank Cover Plate



Optional Trim Plates for Visible LED

Fig 2: 8 A Relay IAM Mounting Information

© 2017 Johnson Controls. All rights reserved. All specifications and other information shown were current as of document revision and are subject to change without notice. Additional listings may be applicable, contact your local Autocall product supplier for the latest status. Listings and approvals under Tyco Fire & Security GmbH, and the product names listed in this material are marks and/or registered marks. Unauthorized use is strictly prohibited. NFPA 72 and National Fire Alarm Code are registered trademarks of the National Fire Protection Association (NFPA).