

## Features

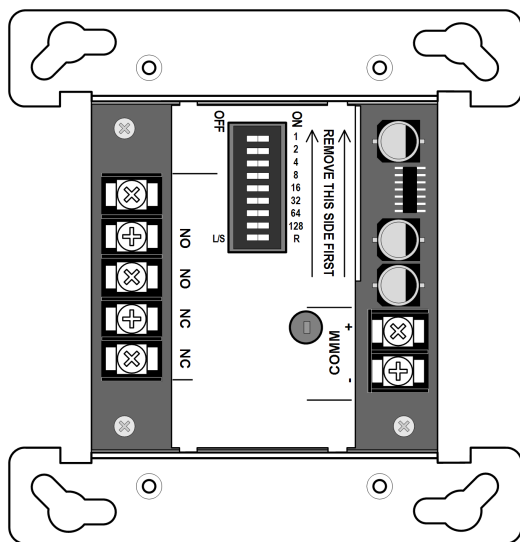


Fig 1: A4090-9010 8 A IDNet Relay IAM Package

### 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 <sup>11</sup>/<sub>16</sub>" 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 <sup>11</sup> / <sub>16</sub> " (119 mm) square electrical box

## Specifications

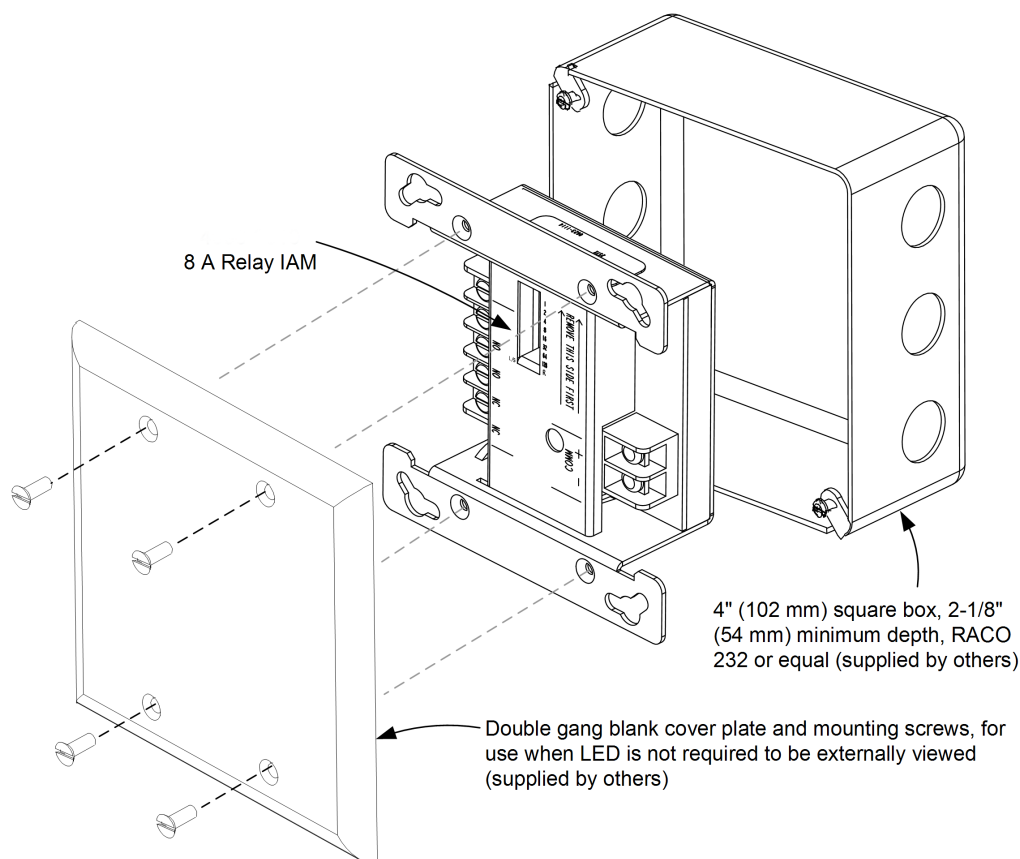
Table 3: Specifications

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

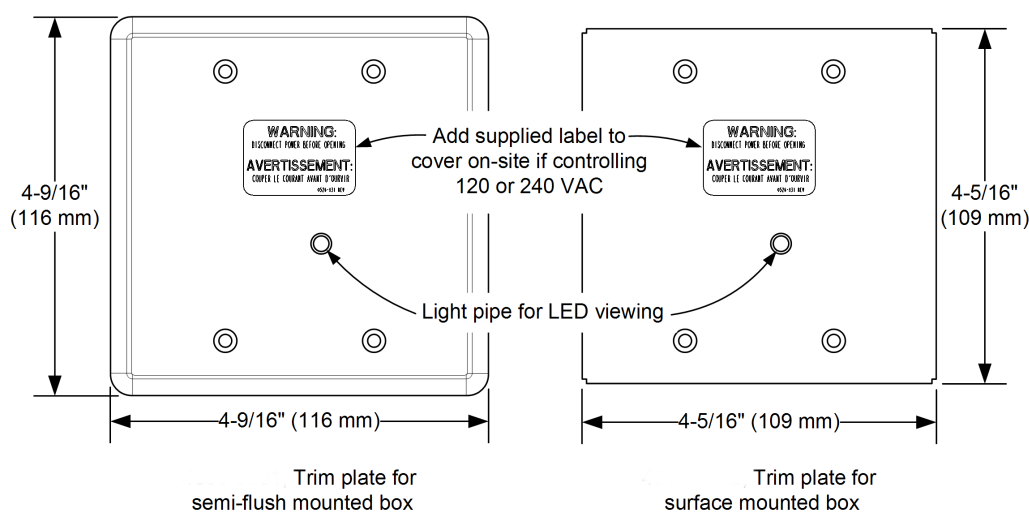
Table 4: Contact Ratings\* (not rated for incandescent switching)

Specification	Rating
<b>Type</b>	Separate contacts; 1, NO and 1, NC
<b>Maximum Voltage Ratings</b>	250 VAC or 30 VDC
<b>Current Ratings</b>	8 A, resistive 3.5 A, inductive at 0.35 PF
<b>Wire Connections</b>	Screw terminals for in/out wiring, 18 to 14 AWG wire (0.82 to 2.08 mm <sup>2</sup> )
<b>IDNet Communications Wiring Reference</b>	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
<b>Dimensions</b>	4 <sup>1</sup> / <sub>8</sub> " H x 4" W x 1 <sup>3</sup> / <sub>8</sub> " D (105 mm x 102 mm x 35 mm)
<b>Mounting Plate</b>	Sheet metal, galvanized
<b>Temperature Range</b>	32° to 120° F (0° to 49° C), intended for indoor operation
<b>Humidity Range</b>	Up to 93% RH at 100° F (38° C)
<b>Note:</b> * 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.	

## 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