

Features

IDNet addressable interface modules for use with Simplex model 4010 fire alarm control panels**

4090-9002, Individual Addressable Relay Module (Relay IAM):

- A single addressable point provides control and status tracking of a Form “C” contact
- Low power latching relay design allows IDNet communications to supply both data and module power

Monitor ZAMs (Zone Adapter Modules) provide an IDNet addressable interface to a conventional initiating device circuit (IDC) available as:

- 4090-9101, Class B (Style B) monitoring for 2-wire or 4-wire initiating devices, with power reset connections for 4-wire devices
- 4090-9106, Class A (Style D) monitoring for 2-wire initiating devices
- Zone device power is supplied separately (typically from fire alarm control panel)
- Refer to device compatibility list on page 2

Compact, sealed construction:

- Enclosed design minimizes dust infiltration
- Mounts in standard 4” square electrical box
- Screw terminals for wiring connections

UL listed to Standard 864

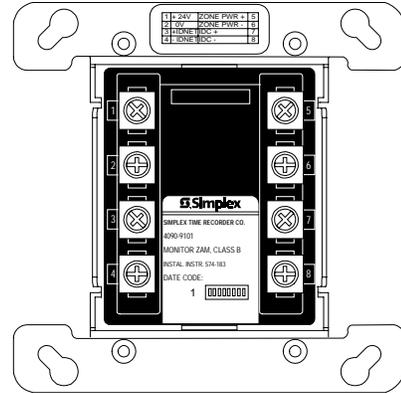
Description

IDNet Relay IAMs allow the Simplex 4010 fire alarm control panel to control a remotely located Form “C” 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.

IDNet Monitor ZAMs allow a single addressable point to monitor a conventional initiating device circuit (IDC) zone populated with 2-wire or 4-wire initiating devices. Refer to page two for compatible devices.

* Accepted for use – City of New York Department of Buildings – MEA35-93E.

** Simplex IDNet addressable communications are protected by U.S. Patent 4,796,025.



4090 Series IDNet Relay IAM/ZAM Package
(shown approximately 1/2 size)

Specifications

Communications	IDNet, 1 address per device
Relay IAM Power	Supplied by IDNet communications
Relay IAM Contacts (Form “C”, SPDT)	
Power Limited Rating	<ul style="list-style-type: none"> • 2 A @ 24 VDC, for transient suppressed loads • 1 A @ 24 VDC for inductive loads
Non-Power Limited Rating	1/2 A @ 120 VAC, transient suppressed loads
ZAM Input Voltage	18.9 to 32 VDC (nominal 24 VDC)
ZAM Current @ 24 VDC	Supervisory = 16 mA maximum Alarm = 72 mA maximum (actual current is determined by total device requirements)
4090-9101 ZAM, Zone Supervision Resistor	3.3 kΩ, 1 W
Wire Connections	Screw terminals for in/out wiring, #18 to #14 AWG wire
IDNet Wiring	<ul style="list-style-type: none"> • Up to 2500 ft (762 m) from fire alarm control panel • Up to 10,000 ft (3048 m) total wiring distance (including T-Taps) • Compatible with Simplex 2081-9044 Overvoltage Protectors
Dimensions	4 1/8" H x 4 1/8" W x 1 3/8" D (105 mm x 105 mm x 35 mm)
Housing Material	Black thermoplastic
Mounting Plate Material	Sheet metal, galvanized
Temperature Range	32°F to 120° F (0° C to 49° C) intended for indoor operation
Humidity Range	Up to 93% RH at 100° F (38° C)

Monitor ZAM Two-Wire Initiating Device Compatibility Reference Chart

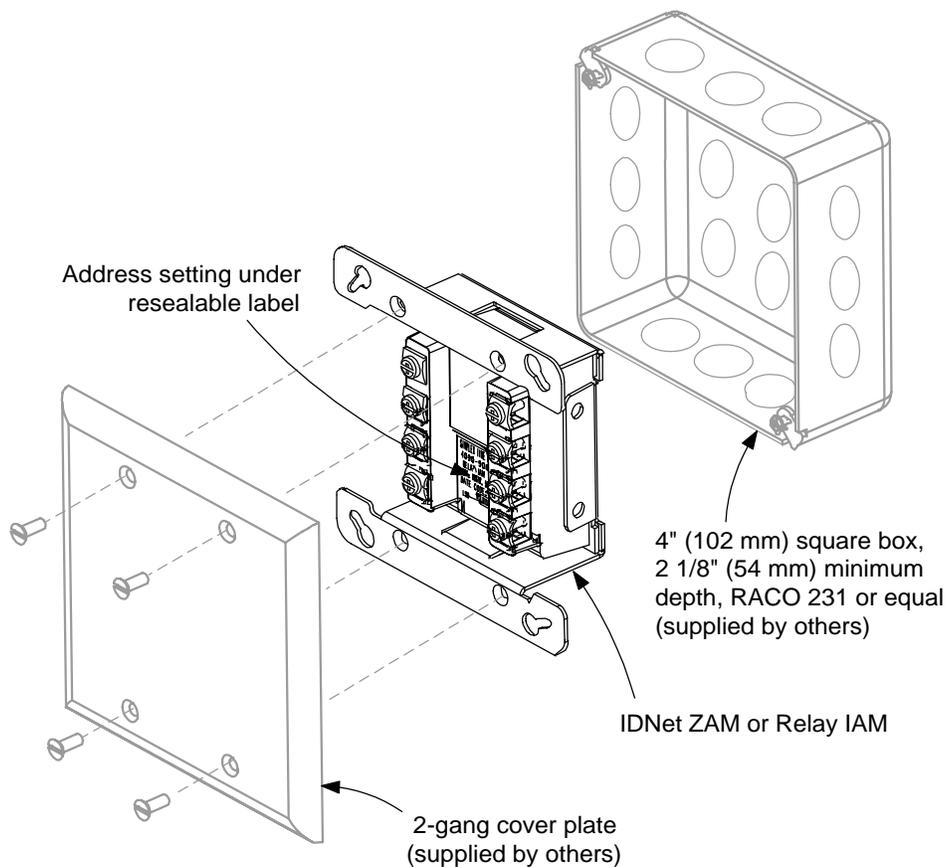
Two-Wire Devices for use with Class A Monitor ZAM 4090-9106 or Class B Monitor ZAM 4090-9101

Detectors (20 maximum)	Compatible Bases
2098-9201 through -9203, and -9276	2098-9211 and -9637
2098-9209	No base required
4098-9401 through -9404	
4098-9407 through -9410	2098-9211
4098-9612 through -9615	4098-9788, -9683, and -9684
4098-9601, -9602, and -9605	4098-9788, and -9683

NOTES:

1. Four-wire detector operation is compatible with conventional listed contact closure initiating devices.
2. Four-wire detectors require detector voltage to be connected to resettable power terminals.
3. Refer to installation instructions 574-183, 574-184, and field wiring diagram 842-073 for additional information.
4. Contact Simplex for additional compatible devices.

ZAM and Relay IAM Mounting Information



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