Simplex®

Multi-Application Peripherals

UL, ULC, CSFM Listed; FM Approved;
*MEA (NYC) Acceptance**

IDNet or MAPNET II Communicating Devices
4090-9101 and 4090-9106, Zone Adapter Modules

Features

IDNet or MAPNET II communications compatible Monitor ZAMs (Zone Adapter Modules) provide an addressable interface to a conventional initiating device circuit (IDC)

Available for Class B or Class A IDCs:

- 4090-9101, Class B monitoring for 2-wire or 4-wire initiating devices, with power reset connections for 4-wire devices
- 4090-9106, Class A 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

For use with the following Simplex® fire alarm control panels:

- Model Series 4007ES, 4008, 4010, 4010ES, 4100ES, and 4100U fire alarm control panels using IDNet communications
- Model Series 4100/4100U, 4120, 4020, and 2120 Communicating Device Transponders (CDTs) equipped with MAPNET II communications

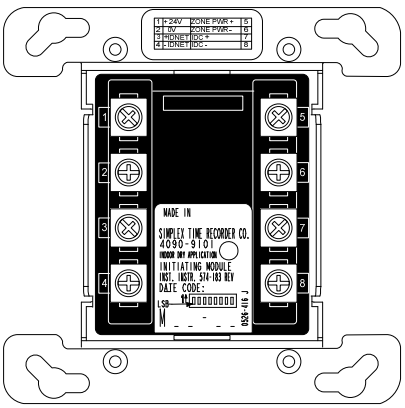
Compact, sealed construction:

- Enclosed design minimizes dust infiltration
- Mounts in standard 4" (102 mm) square 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
- UL listed to Standard 864

Description

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

* 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 7300-0026:223 for allowable values and/or conditions concerning material presented in this document. Accepted for use – City of New York Department of Buildings – MEA35-93E. 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 Series ZAM Package
(shown approximately 1/2 size)

Specifications

Communications	IDNet or MAPNET II, 1 address per device
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 (0.82 to 2.08 mm^2)
IDNet or MAPNET II Wiring	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 ⅛" H x 4 ⅛" W x 1 ⅜" D (105 mm x 105 mm x 35 mm)
Housing Material	Black thermoplastic
Mounting Plate Material	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)

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Product Selection

ZAM Modules

Model	Description
4090-9101	Zone Adapter Module for Class B monitoring of 2-wire or 4-wire initiating devices; with power reset connections for 4-wire devices
4090-9106	Zone Adapter Module for Class A monitoring of 2-wire initiating devices

Optional Adapter and Trim Plates

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

End-of-Line Resistor Harness

Model	Reference No.	Description
4081-9002	733-893	3.3 kΩ, 1 End-of-Line Resistor Harness for 4090-9101, Class B zone monitoring

Monitor ZAM Two-Wire Initiating Device Compatibility Reference Chart

Description	Model	Compatible Bases	Maximum Quantity
Direct connect photoelectric smoke detector	2098-9209	No base required	20
Electronic heat detectors	4098-9401 4098-9402 4098-9403 4098-9404		
	4098-9612 4098-9613 4098-9614 4098-9615	4098-9788	20
		4098-9684	
		4098-9683	1
Photoelectric smoke detectors	4098-9601 4098-9602 4098-9605	4098-9788	20
		4098-9683	1
Ionization smoke detector	4098-9603	4098-9788	20
		4098-9683	1
Duct detector housing with 4098-9601 detector	4098-9685	N.A.	20

Reference for Existing Equipment

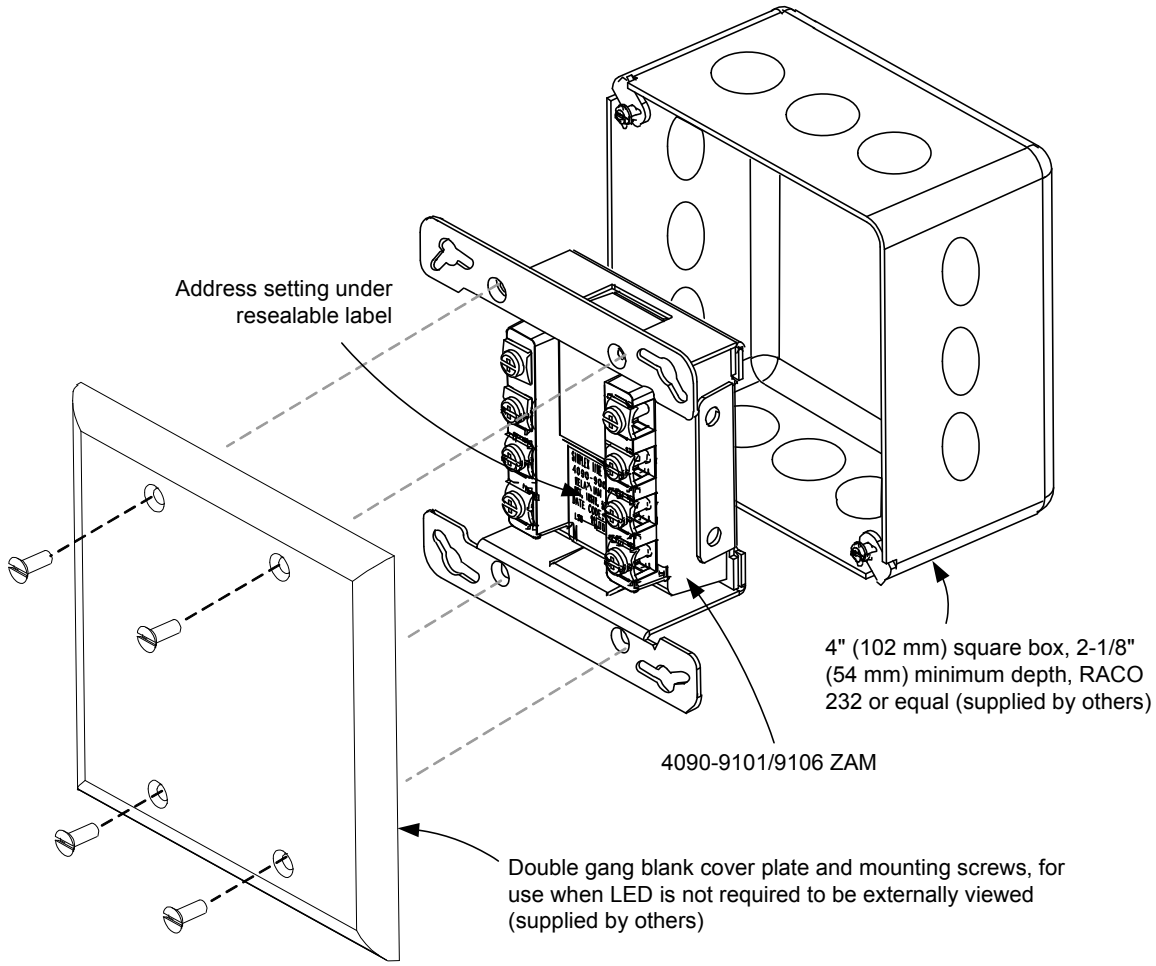
Description	Model	Compatible Bases	Maximum Quantity
Smoke detectors	2098-9201 2098-9202 2098-9203 2098-9576	2098-9211	20
		2098-9637	1
Electronic heat detectors	4098-9407 4098-9408 4098-9409 4098-9410	2098-9211	20

NOTES:

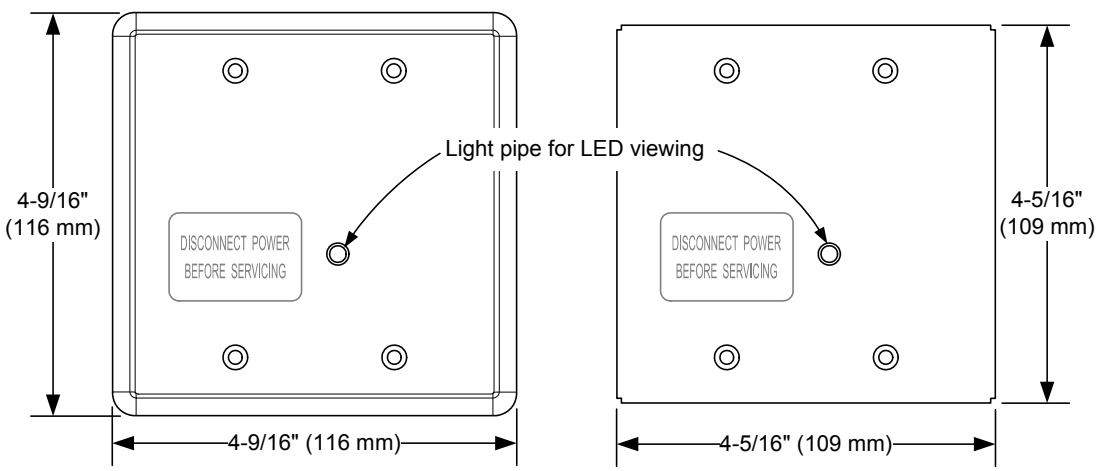
1. Four-wire detector operation is compatible with conventional listed contact closure initiating devices.
2. Four-wire detectors require detector voltage to be connected to resettable power terminals.
3. Refer to installation instructions 574-183 and field wiring diagram 842-073 for additional information.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

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ZAM 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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