



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

## Multi-Application Peripherals

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 (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

**For use with following Simplex control panels:**

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

**Compact, sealed construction:**

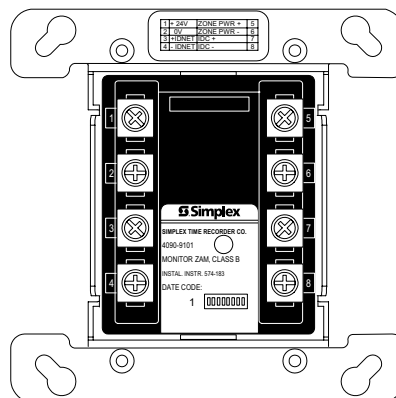
- Enclosed design minimizes dust infiltration
- Mounts in standard 4" square electrical box
- Screw terminals for wiring connections
- Visible LED flashes to indicate communications
- Optional covers are available to allow LED to be viewed after installation
- UL listed to Standard 864

### 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. It is subject to re-examination, revision, and possible cancellation. 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 Safety Products Westminster.

\* IDNet and MAPNET II addressable communications are protected under U.S. Patent Nos. 4,796,025; 5,966,002; and 6,034,601.



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 <sup>2</sup> )
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	4-1/8" 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° to 120° F (0° to 49° C) intended for indoor operation
Humidity Range	Up to 93% RH at 100° F (38° C)

## Product Selection

### ZAM Modules

Model Number	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 Trim Plates

Model Number	Description
4090-9801	For semi-flush mounted box
4090-9802	For surface mounted box

Trim plate with LED viewing window, includes mounting screws; galvanized steel

### End-of-Line Resistor Harness

Model Number	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

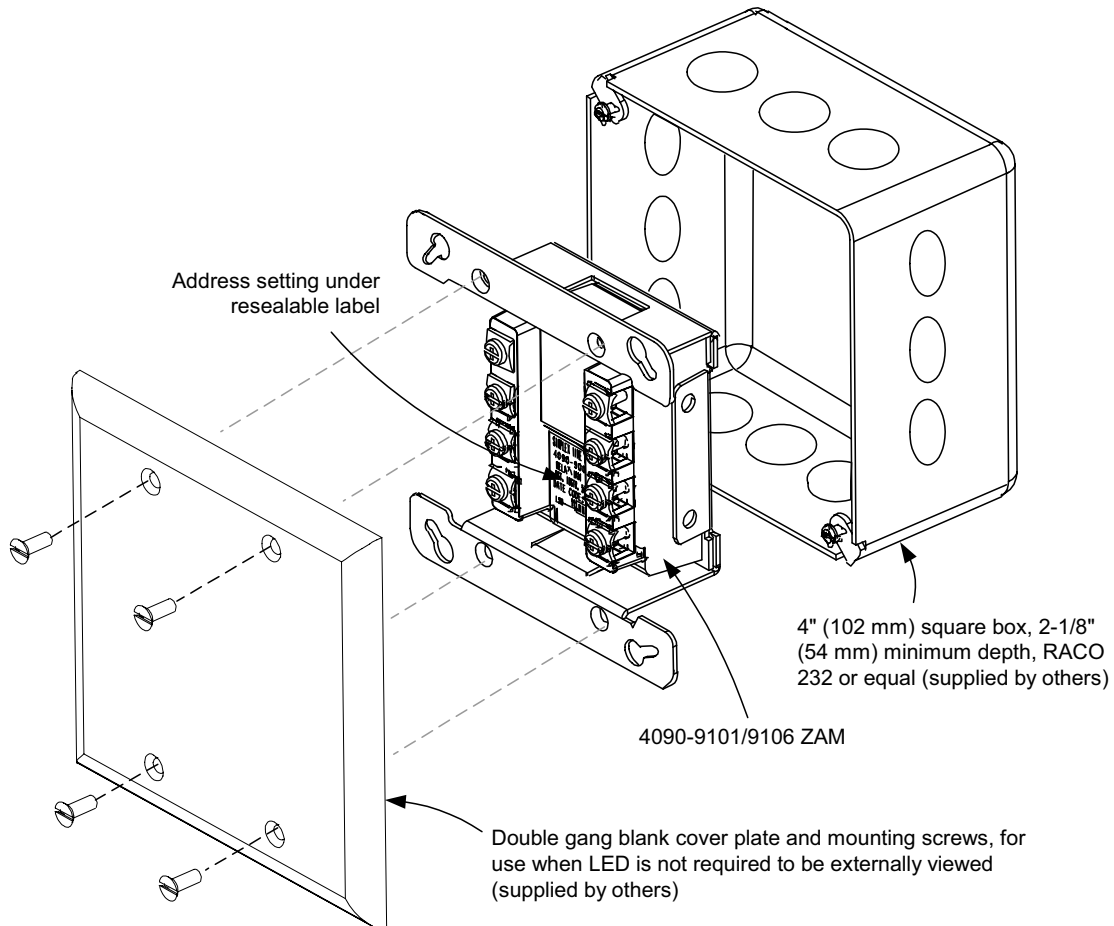
Description	Model Number	Compatible Bases	Maximum Quantity
Direct connect photoelectric smoke detector	2098-9209	No base required	20
Electronic heat detectors	4098-9401		
	4098-9402		
	4098-9403		
	4098-9404		
	4098-9612	4098-9788	20
	4098-9613	4098-9684	
	4098-9614	4098-9683	1
	4098-9615		
Photoelectric smoke detectors	4098-9601	4098-9788	20
	4098-9602	4098-9683	1
	4098-9605		
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

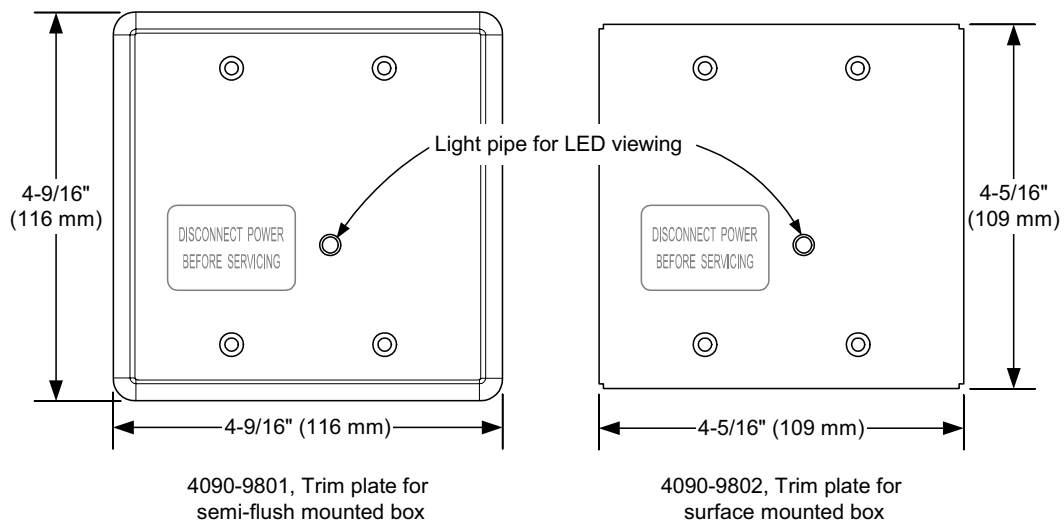
Smoke detectors	2098-9201	2098-9211	20
	2098-9202		
	2098-9203	2098-9637	1
	2098-9576		
Electronic heat detectors	4098-9407	2098-9211	20
	4098-9408		
	4098-9409		
	4098-9410		

#### NOTES:

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



**Mounting Reference, Double Gang Blank Cover Plate**



**Optional Trim Plates for Visible LED**

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