

Farenhyt

IDP-Zone

Addressable Two-Wire Interface Module



MEA
457-99-E
Vol. V

Description

The IDP-Zone is an addressable two-wire interface module for use with Silent Knight IFP-series fire alarm control panels (FACPs). The IDP-Zone allows a Silent Knight FACP to interface and monitor two wire conventional smoke detectors. This means you can retrofit an existing building and use existing conventional devices.

The IDP-Zone is addressed through the signaling line circuit loop of the FACP. It transmits the status of one full zone of two-wire detectors to the FACP. Status conditions are reported as normal, open, or alarm. The IDP-Zone supervises the zone of detectors and the connection of the external power supply.

All two-wire detectors being monitored must be UL compatible with the IDP-Zone.



IDP-Zone

Features

- Converts a conventional two-wire loop to an SLC loop
- Fully supervised
- Support for Style B and Style D wiring
- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- Attractive ivory cover plate
- Rotary address switches for fast installation
- SEMS screws for easy wiring
- UL Listed

Installation

The IDP-Zone mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8". A surface mount electrical box (part number SMB500) is available from Silent Knight.

Compatibility

The IDP-Zone is compatible with the following FACPs:

- IFP-2000 Intelligent Fire Panel
- IFP-1000 Intelligent Fire Panel
- IFP-100 Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

Ordering Information

IDP-Zone Two-Wire Interface Module

Accessories

SSSMB500* 4" Square Surface Mount Electrical Box

* For ordering purposes, an SS has been added to the System Sensor part number. Example - System Sensor PN for SSB501 is B501



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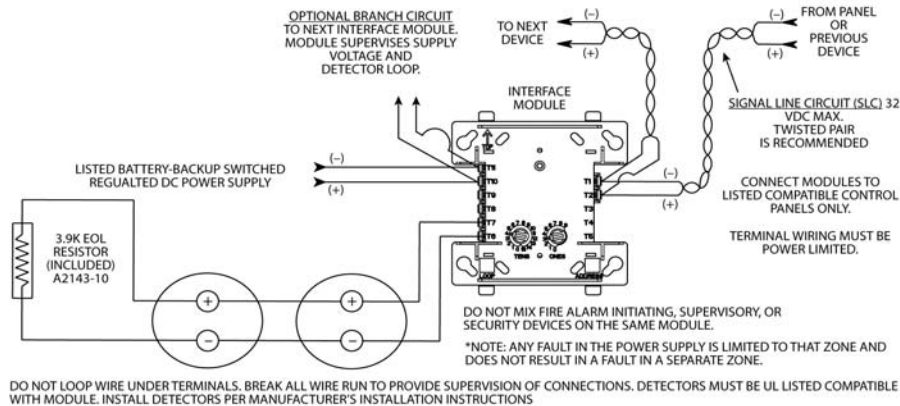
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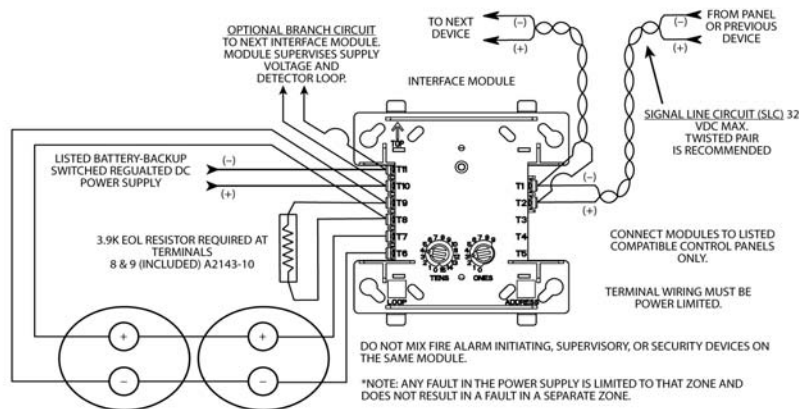
P/N 350292 Rev D

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Interface two-wire conventional detectors, NFPA Style B



Interface two-wire conventional detectors, NFPA Style D



Specifications

Physical

Height: 4.5" (11.4 cm)
 Width: 4" (10.2 cm)
 Depth: 1.3" (3.2 cm)
 Shipping Weight: 6.3 oz (196 g)

Environmental

Operating Temperature: 32°F – 120°F (0°C – 49°C)
 Humidity: 10% – 93% non-condensing

Electrical

Normal Operating Voltage: 15 – 32 VDC
 Maximum Current Draw: 5.1 mA (LED on)
 Operating Current: 300 µA average (LED flashing)
 EOL Resistance: 3.9K Ohms
 Maximum IDC wiring Resistance: 25 Ohms
 External Power Supply
 Voltage: 18 – 28 VDC power limited
 (19 – 28 VDC when used with intrinsically safe applications)
 Ripple Voltage: 0.1V RMS max
 Current: 90 mA per module



This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific application or anticipate all requirements. All specifications are subject to change without notice. For more information contact Silent Knight 7550 Meridian Circle, Suite 100, Maple Grove, MN 55369-4927 Phone: (800) 328-0103, fax (763) 493-6475
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