Farenhyt



# Addressable Two-Wire Interface Module

# **IDP-Zone**

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.

## 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 (System Sensor<sup>®</sup> PN SMB500) is available from Silent Knight.

#### Agency Listings



IDP-Zone

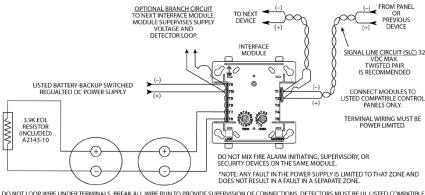
### Compatibility

The IDP-Zone is compatible with the following FACPs:

- IFP-2000 / RPS-2000 Intelligent Fire Panel
- IFP-2000ECS Emergency Communication System with Fire Panel
- IFP-1000 / ECS Intelligent Fire Panel
- IFP-100 / ECS Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

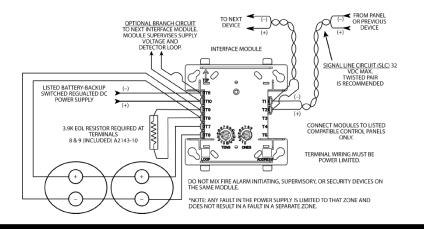
For a list of detectors compatible with the IDP-Zone see the IDP-Zone Installation Instructions (PN K200-12-00).

Interface two-wire conventional detectors, NFPA Style B



DO NOT LOOP WIRE UNDER TERMINALS. BREAK ALL WIRE RUN TO PROVIDE SUPERVISION OF CONNECTIONS. DETECTORS MUST BE UL LISTED COMPATIBLE WITH MODULE. INSTALL DETECTORS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS

Interface two-wire conventional detectors, NFPA Style D



### **Specifications**

#### Physical

4½<sup>"</sup> H × 4" W × 1¼" D (11.5 x 10.2 x 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

Operating Voltage: 15 – 32 VDC External Power Supply Alarm Current: 90mA per module

Standby Current: 12mA @ 24 VDC (nominal)

SLC Standby & Alarm Current: 300 µA

End-of-Line Resistance: 3.9k $\Omega$ 

SLC Loop Impedance:  $40\Omega$ 

Initiating Device Circuit Wiring Resistance:  $25\Omega$  max

# **Ordering Information**



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 applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, Please call 800-446-6444. www.farenhyt.com

## IDP-Zone Accessories SMB500

**Two-Wire Interface Module** 

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4" Square Surface Mount Electrical Box