

# Farenhyt

## IDP-Zone-6

The IDP-Zone-6 is an addressable zone interface module for use with Silent Knight IFP-series fire alarm control panels (FACPs). The IDP-Zone-6 provides six zone inputs that allow 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 inputs on the IDP-Zone-6 share a common FACP signaling line circuit (SLC) input, and the initiating device circuits share a common external power supply. Otherwise, each input on the module operates independently from the others. If needed, you can disable a maximum of two unused inputs on the IDP-Zone-6 board.

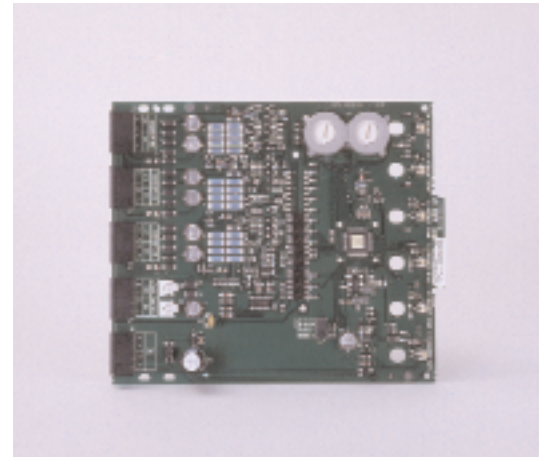
It transmits the status of a zone of two-wire detectors to the FACP. Status conditions are reported as normal, open, or alarm. The IDP-Zone-6 supervises the zone of detectors and the connection of the external power supply.

All two-wire detectors being monitored must be UL compatible with the IDP-Zone-6.

## Features

- Converts a conventional two-wire loop to an SLC loop
- Six zone inputs
- Fully supervised
- Support for Class B and Class A wiring
- Removable 12 to 18 AWG plug-in terminal blocks
- Individual LED for each relay contact
- Two module mounting in the IDP-ACB cabinet
- Up to two unused modules can be disabled
- Rotary address switches for fast installation
- Mounting hardware included
- UL Listed

Addressable Two-Wire Interface Module



IDP-Zone-6

## Installation

The IDP-Zone-6 mounts in the Silent Knight IDP-ACB cabinet (PN IDP-ACB). The IDP-ACB has a built-in chassis that will accommodate one or two IDP-Zone-6 modules.

## Compatibility

The IDP-Zone-6 is compatible with the following FACPs:

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

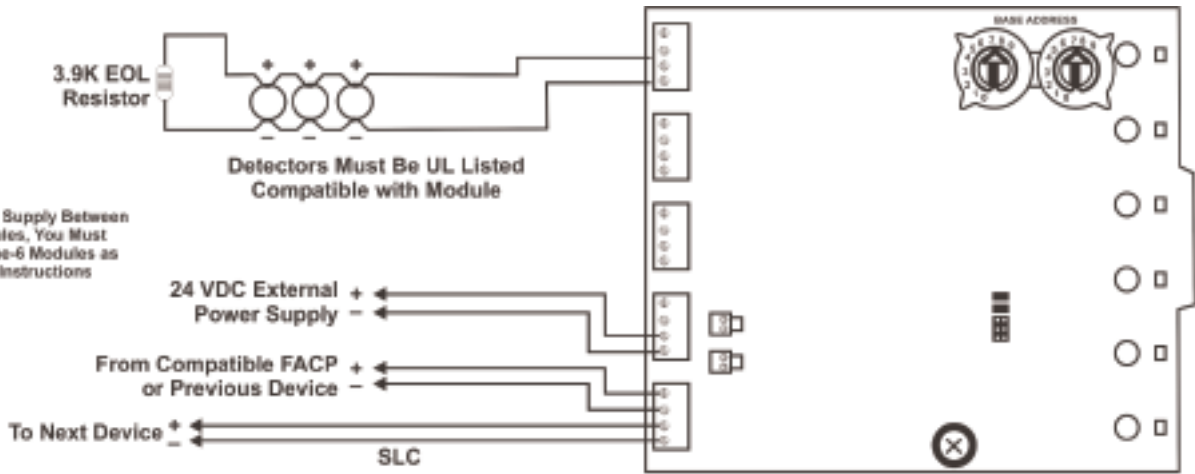
For a list of detectors compatible with the IDP-Zone-6, see the IDP-Zone-6 Installation Instructions (PN K200-16-00).



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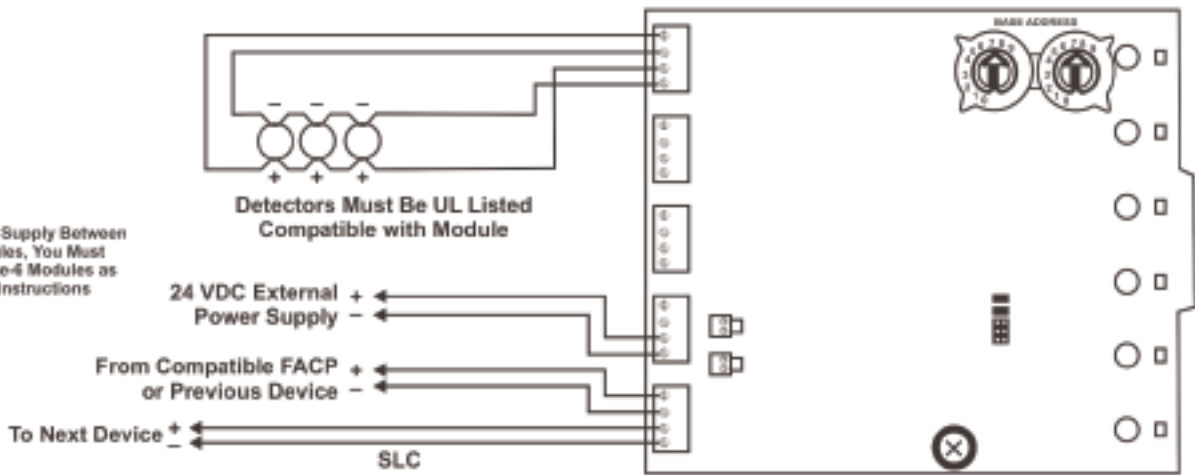
P/N 350297 Rev C  
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To Use a Common Power Supply Between Multiple IDP-Zone-6 Modules, You Must Jumper Adjacent IDP-Zone-6 Modules as Shown in the Installation Instructions



Wiring the IDP-Zone-6 Two-Wire Interface Module and Two-Wire Conventional Detectors for Class B, Style B

To Use a Common Power Supply Between Multiple IDP-Zone-6 Modules, You Must Jumper Adjacent IDP-Zone-6 Modules as Shown in the Installation Instructions



Wiring the IDP-Zone-6 Two-Wire Interface Module and Two-Wire Conventional Detectors for Class A, Style D

## Specifications

### Physical

IDP-Zone-6	IDP-ACB
Height: 6.8" (17.3 cm)	15.25" (38.7 cm)
Width: 5.8" (14.7 cm)	12.5" (31.8 cm)
Depth: 1.0" (2.5 cm)	3" (7.6 cm)
Shipping Weight: 6.3 oz (196 g)	6.5 lbs (2.8 kg)

### Environmental

Operating Temperature: 32°F – 120°F (0°C – 49°C)

Humidity: 10% – 93% non-condensing

### Electrical

Wire Gauge: 12 – 18 AWG

Operating Voltage: 15 – 32 VDC

Alarm Current: 40 mA max (assumes all six LEDs solid on)

Standby Current: 2 mA max

SLC Loop Impedance: 40 max

Initiating Device Circuit: Supervised, power-limited

Initiating Device Circuit Wiring Resistance: 25 max

External Power Supply

Voltage: 18 – 28 VDC power limited;

Ripple Voltage: 0.1V RMS max;

Current: 90 mA per module

## Ordering Information

IDP-Zone-6 Six Zone Two-Wire Interface Module

## Accessories

IDP-ACB IDP Module Cabinet. Cabinet holds two IDP-Zone-6s.



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 7550 Meridian Circle Suite 100, Maple Grove, Mn 55369-4927. Phone: (800) 328-0103, Fax: (763) 493-6475.



Made in the U.S.A.