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® PN SMB500) is available from Silent Knight.

Agency Listings

MEA
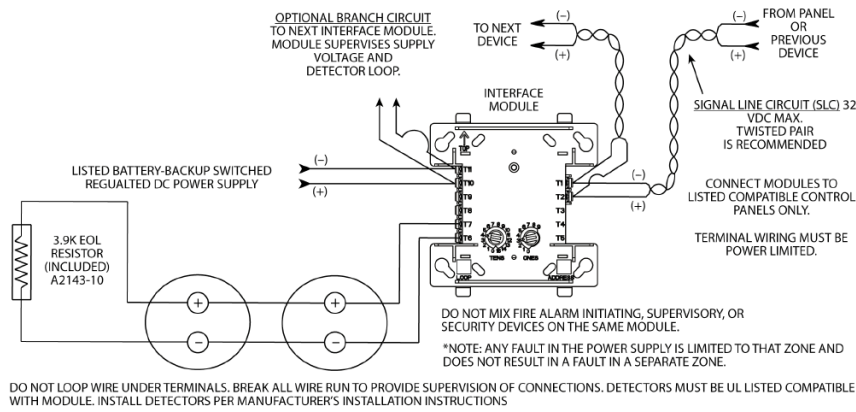386-02-E Vol 2

IDP-Zone

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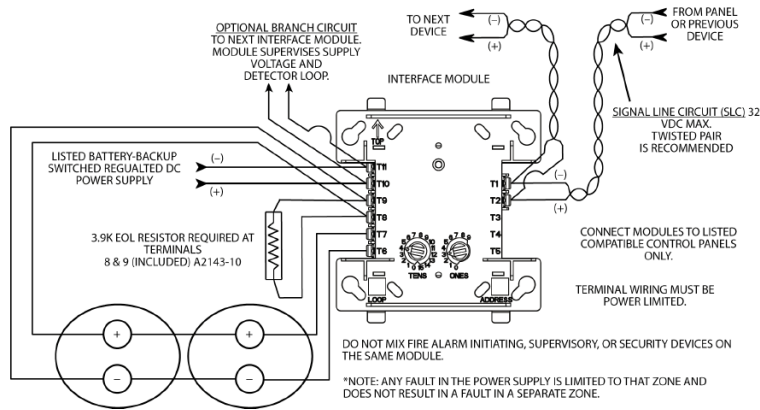
The IDP-Zone is compatible with the following FACPs:

• 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

Interface two-wire conventional detectors, NFPA Style D

Specifications

Physical
4½″ H × 4″ W × 1¼″ D (11.5 x 10.2 x 3.2 cm)

Shipping Weight: 6.3 oz (196 g)

Environmental
Operating Temperature: 32ºF – 120ºF (0ºC – 49ºC)

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: 3.9kΩ

SLC Loop Impedance: 40Ω

Initiating Device Circuit Wiring Resistance: 25Ω max

Ordering Information

IDP-Zone	Two-Wire Interface Module

Accessories

SMB500	4" Square Surface Mount Electrical Box

SILENT KNIGHT
by Honeywell