

Farenhyt

IDP-Relay

Addressable Relay Module



MEA
457-99-E Vol. V

Description

The IDP-Relay is an addressable relay module for use with Silent Knight IFP-series fire alarm control panels (FACPs). The IDP-Relay allows a Silent Knight FACP to switch discrete contacts by code command. The relay contains two isolated sets of Form C contacts, which operate as a DPDT switch. No supervision is provided for the notification appliance circuit.

The IDP-Relay contacts can be used for virtually any normally open or normally closed application. Each IDP-Relay is programmed with a unique signaling line circuit (SLC) loop address. When an event occurs that controls the IDP-Relay, the relay is triggered by the FACP

Features

- Two sets of Form C contacts
- Contacts are rated for a variety of amps (see Specifications)
- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- Relay programming is completely flexible—can be mapped to zone conditions
- Polling LED visible through the cover plate
- Attractive ivory cover plate
- Rotary address switches for fast installation
- SEMS screws for easy wiring
- UL Listed

Installation

The IDP-Relay mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8". A surface mount electrical box (PN SSSMB500; System Sensor® PN SMB500) is available from Silent Knight.



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Compatibility

The IDP-Relay 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-Relay Relay Module

Accessories*

SSSMB500 4" Square Surface Mount Electrical Box

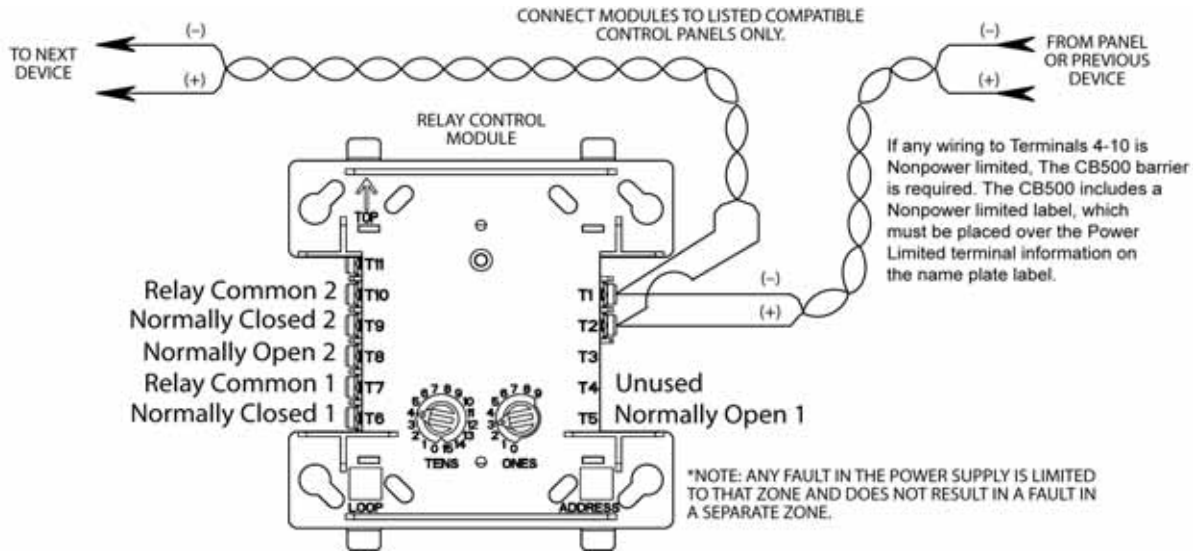
SSCB500 Module Barrier

* For ordering purposes, an SS has been added to the System Sensor part numbers. (example-System Sensor PN for SSB501 is B501).



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Wiring the IDP-Relay Module

Specifications

Physical

Height: 4.5" (11.4 cm)
 Width: 4" (10.2 cm)
 Depth: 1.3" (3 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
 Current Draw: 6.5 mA max (LED on)
 Operating Current:
 230 µA (LED flashing) direct poll
 255 µA (LED flashing) group poll
 End-of-Line Resistance: Not used
 Standby Current:
 300 µA max @ 24 VDC (one communication every 5 sec with LED enabled)

LED Current: 5.5 mA (with LED latched on)
 SLC Loop Resistance: 40Ω max

Relay Contact Ratings

Current Rating	Max Voltage	Load Description	Application
3 A	30 VDC	Resistive	Noncoded
2 A	30 VDC	Resistive	Coded
.9 A	110 VDC	Resistive	Noncoded
.9 A	125 VAC	Resistive	Noncoded
.5 A	30 VDC	Inductive (L/R = 5 ms)	Coded
1 A	30 VDC	Inductive (L/R = 2 ms)	Coded
.3 A	125 VAC	Inductive (PF = .35)	Noncoded
1.5 A	25 VAC	Inductive (PF=.35)	Noncoded
.7 A	70.7 VAC	Inductive (PF = .35)	Noncoded
2 A	25 VAC	Inductive (PF = .35)	Noncoded



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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