

## SK-Relay-6



### Intelligent Six Relay Control Module

The SK-Relay-6 Module is intended for use in intelligent, two-wire systems where the individual address of each module is selected using the built in rotary switches.

For more information about the Intelliknight system, or to locate you nearest source, please call 800-328-0103 or in Connecticut, call (203) 484-7161.

### Description

The SK-Relay-6 is an addressable relay module for use with Silent Knight IntelliKnight series fire alarm control panels (FACPs). The SK-Relay-6 has six Form C relays. It allows a Silent Knight FACP to switch discrete contacts by code command. If needed, you can disable a maximum of three unused modules on the SK-Relay-6 board. No supervision is provided for the notification appliance circuit.

The SK-Relay-6 contacts can be used for virtually any normally open or normally closed application. Each SK-Relay-6 is programmed with a unique signaling line circuit (SLC) loop address. When an event occurs that controls the SK-Relay-6, the relay is triggered by the FACP.

### Features

- Six Form C contacts
- Removable 12 to 18 AWG plug-in terminal blocks
- Relay programming is completely flexible—can be mapped to zone conditions
- Individual LED for each relay contact
- Two module mounting in the IDP-ACB cabinet
- Up to three unused modules can be disabled
- Rotary address switches for fast installation
- Mounting hardware included
- UL Listed



SK-Relay-6

### Installation

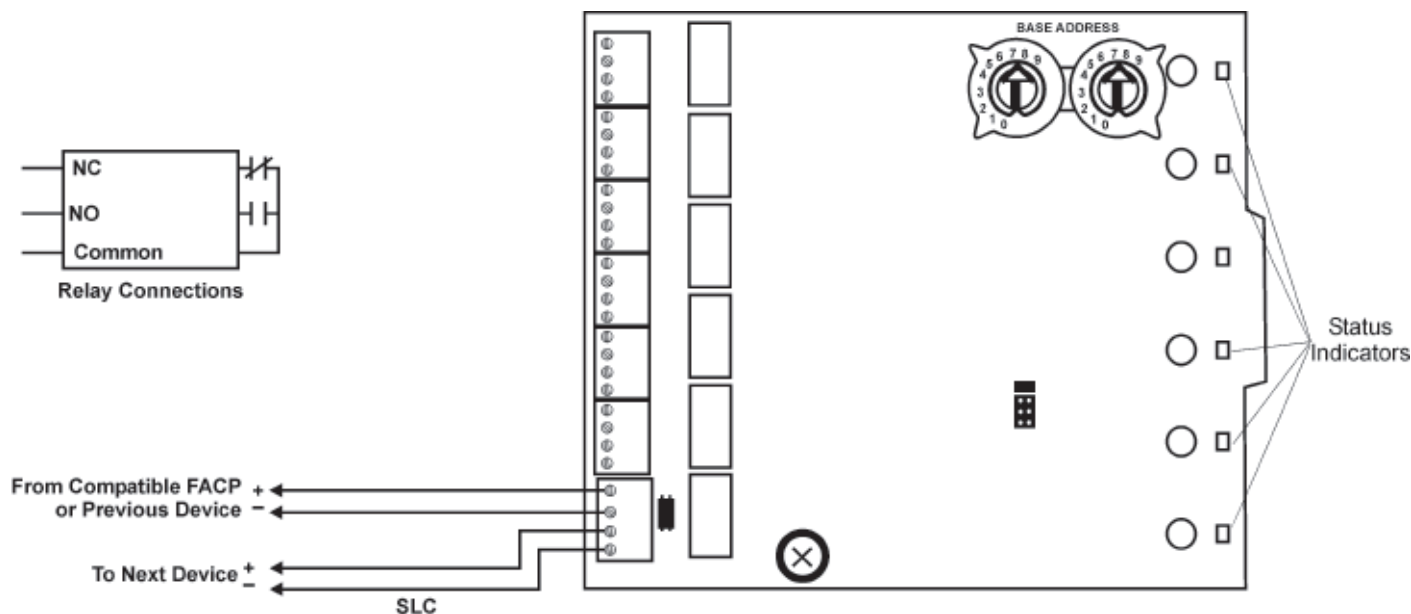
The SK-Relay-6 mounts in the Silent Knight IDP-ACB cabinet. The IDP-ACB has a built-in chassis that will accommodate one or two SK-Relay-6 modules

### Compatibility

The SK-Relay-6 is compatible with the following IntelliKnight FACP's:

5700  
5808  
5820XL

# Model SK-Relay-6



Wiring the SK-Relay-6 Relay Module

## Specifications

### Physical

SK-Relay-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" (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: 32 mA max (assumes all six relays have been switched once and all six LEDs solid on)  
 Relay Current: 30 mA relay pulse with 15.6 mS pulse duration (FACP controls pulse)  
 Standby Current: 1.45 mA max  
 SLC Loop Resistance: 40Ω max

## Relay Contact Ratings

Current Rating	Max Voltage	Load Description	Applications
3A	30 VDC	Resistive	Noncoded
2A	30 VDC	Resistive	Coded
.9A	110 VDC*	Resistive	Noncoded
.9A	125 VAC	Resistive	Noncoded
.5A	30 VDC	Inductive (LR = 5 ms)	Coded
1A	30 VDC	Inductive (LR = 2 ms)	Coded
.3A	125 VAC	Inductive (PF = .35)	Noncoded
1.5A	25 VAC	Inductive (PF = .35)	Noncoded
.7A	70.7 VAC	Inductive (PF = .35)	Noncoded
2A	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 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. www.silentknight.com

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