SILENT KNIGHT
by Honeywell

SK-Control-6

Six Circuit Supervised Control Module

The SK-Control-6 has six integrated modules for maximum flexibility, allowing you to add notification circuits wherever they are needed on an IntelliKnight FACP signaling line circuit (SLC) loop.

For more information about the IntelliKnight system, or to locate you nearest source, please call 1-800-328-0103.

Description

The SK-Control-6 is an addressable notification module for use with Silent Knight IntelliKnight series fire alarm control panels (FACPs). The SK-Control-6 provides supervised monitoring of wiring to load devices that require an external power supply or amplifier to operate, such as bells, horns, and strobes. It is capable of supporting Class B (Style Y) and Class A (Style Z) wiring.

Upon command from the FACP, the SK-Control-6 will disconnect the supervision and connect the external power supply across the load device. The disconnection of the supervision provides a positive indication to the panel that the control relay actually turned on. The external power supply is always relay isolated from the SLC loop, so that a trouble condition on the power supply will never interfere with the rest of the system.

If needed, you can disable a maximum of three unused modules on the SK-Control-6 board. Each module has terminals for connection to an external supply circuit for powering devices on its notification appliance circuit (NAC). One or more multiple power supplies or amplifiers can be used.

The SK-Control-6 has a short circuit protection monitor for each module. The short circuit protection monitor protects external power supplies against short circuit conditions on the NAC. In addition, an algorithm is incorporated to find a short when the module is active. The module will close all circuits that are not shorted to find the NAC with the problem.

Features

- Flexible solution for adding notification circuits where needed
- Removable 12 to 18 AWG plug-in terminal blocks
- Support for Class B or Class A wiring
- Individual LED for each module

SK-Control-6

- Two module mounting in the IDP-ACB cabinet
- Unused modules can be disabled
- Rotary address switches for fast installation
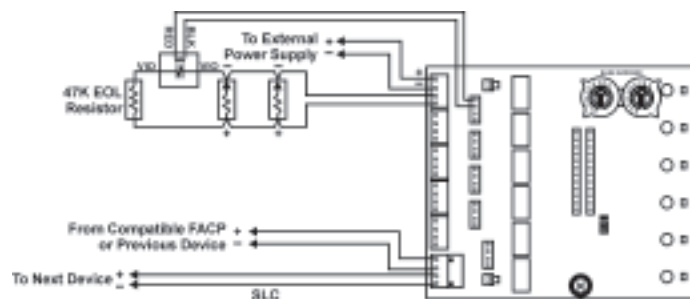- Mounting hardware included
- UL Listed

Installation

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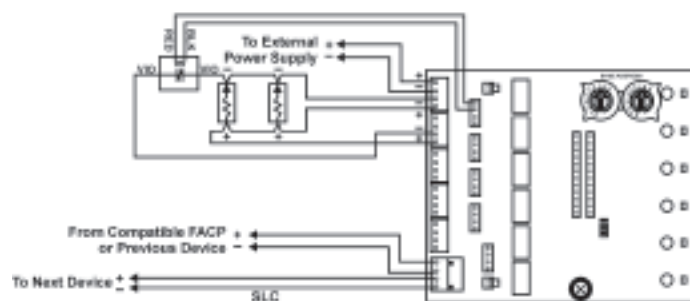
Compatibility

The Control is compatible with the following IntelliKnight FACP's:
5700
5808
5820XL
5820XL-EVS

Model SK-Control-6
Supervised Control Module

Wiring the SK-Control-6 Notification Module for Class B, Style Y NAC Configuration with a Single Power Supply Dedicated to a Single NAC

Wiring the SK-Control-6 Notification Module for Class A, Style Z NAC Configuration with a Single Power Supply Dedicated to a Single NAC

Specifications

Physical

SK-Control-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: 1.25" (3 cm)	3" (7.6 cm)
Shipping Weight: 6.3 oz (196 g)	6.5 lbs (2.8 kg)

Environmental

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

Humidity: 10% – 93% non-condensing

Electrical

Operating Voltage: 15 – 32 VDC

External Power Supply:

- 8mA max. in standby
- 20mA max. in alarm

SLC Standby & Alarm Current: 2.25 mA max

Max NAC Circuit Line Loss: 4 VDC

Power Rating Per Circuit: 63W @ 70.7 VAC; 50W @ 25 VAC

End-of-Line Resistance: 47K Ω

Ordering Information

SK-Control-6   Six Input Notification Module.

Accessories

IDP-ACB   SK Module Cabinet. Cabinet holds two SK-Control-6's.