

# **SK-ISO** Intelligent Fault Isolator Module

The SK-ISO is an addressable line isolator module for use with the Honeywell Silent Knight Series fire alarm control panels (FACPs).

The SK-ISO acts as an automatic switch that opens when the line voltage on the signaling line circuit (SLC) loop drops below four volts. Isolator modules should be spaced between groups of sensors or modules in a loop to protect the rest of the loop. If a short occurs between any two isolators, then both isolators immediately switch to an open circuit state and isolate the devices between them. The remaining units on the SLC loop continue to fully operate. No more than 25 devices are recommended for each group.



SK-ISO

# INSTALLATION

The SK-ISO 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.

# FEATURES & BENEFITS

- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- Isolates short circuits on an SLC loop
- Protects the modules on the SLC loop so other devices continue to operate
- Standard 4 inch electrical box mounting
- SEMS screws for easy wiringUL Listed
- CSFM Listed
- FM Approved

# SK-ISO Technical Specifications

### PHYSICAL

**Dimensions:** 4.5" H x 4" W x 0.25" D (11.4 x 10.2 x .6cm) **Shipping Weight:** 6.3 oz (196 g)

### ELECTRICAL

Operating Voltage: 15 – 32 VDC Standby Current: 450 μA max (not isolating; relay closed) Isolation Current: 5mA max Fault Detection Delay: 250ms min. Fault Detection Threshold: 4V Line Restoration Threshold: 7V

## ENVIRONMENTAL

**Operating Temperature:** 32°F – 120°F (0°C – 49°C) **Humidity:** 10% – 93% non-condensing

#### **ORDERING INFORMATION**

SK-ISO: Line isolation module

### ACCESSORIES

SMB500: 4" Square Surface Mount Electrical Box

#### COMPATIBILITY

The SK-ISO is compatible with the following Honeywell Silent Knight fire alarm control panels: 6820: Addressable fire alarm control panel 6820EVS: Addressable fire alarm control panel with an emergency voice system. 6808: Addressable fire alarm control panel 6700: Addressable fire alarm control panel 5700: Addressable fire alarm control panel 5808: Addressable fire alarm control panel 5820XL: Addressable fire alarm control panel 5820XL: Addressable fire alarm control panel with an emergency voice system For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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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 Technical Support, call 800-446-6444.

#### For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

#### **Honeywell Silent Knight**

12 Clintonville Road Northford, CT 06472 800-328-0103

