



B224BI

Intelligent Isolator Base

The B224BI isolates any part of a loop that has a short from the rest of the loop. The base also automatically restores the entire loop when the cause of the short circuit is corrected.

The B224BI is a 6" mounting base with a built-in isolator for SK series detectors intended for use with the Honeywell Silent Knight series fire alarm control panels (FACPs). The B224BI prevents an entire communication loop from being disabled when a short circuit occurs.

COMPATIBILITY

The B224BI is compatible with the following SK-series detectors:

SK-Photo Photoelectric Smoke Detector and SK-Photo-T Photoelectric Smoke Detector with Thermal

SK-Acclimate Multicriteria Photoelectric Smoke Detector

SK-Heat Fixed Temperature Thermal Detector, SK -Heat-ROR Rate-of-Rise Detector with Thermal, and SK-Heat-HT Fixed High Temperature Thermal Detector

The B224BI 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 mass notification 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-EVS: Addressable fire alarm control panel with an emergency mass notification system.



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FEATURES & BENEFITS

- Isolate up to 25 SK series devices between each B224BI
- Support for Class A and Class B wiring
- Fully supervised
- Plug-in mounting provides ease of installation
- Tamper-proof feature prevents removal of the detector without the use of a tool
- Range of mounting options to meet any application
- B501 allows for aesthetically pleasing installation with Recessed Mounting Kit (PN RMK400)
- SEMS screws and wire gauge 22-14 AWG
- UL Listed

B224BI Technical Specifications

PHYSICAL

Height: 1.2" (3.1 cm)

Diameter: 6.1" (15.5 cm)

ELECTRICAL

Wire Gauge: 22-14

Operating Voltage: 15 – 32VDC

Standby Current: 450 μ A max @ 24VDC

ENVIRONMENTAL

Operating Temperature: 14°F – 140°F (-10°C – 60°C)

Normal Ambient Temperature: 32°F – 120°F (0°C – 49°C)

Humidity: 10% – 93% non-condensing

ORDERING INFORMATION

B224BI: 6" Isolator Base

ACCESSORIES

RMK400: Recessed mounting kit. Provides low profile for use with B501

XR2B: Detector removal tool. A removal and replacement tool for SK series plug-in detectors. Includes the T55-127-000

M02-04-01: Detector test magnet.

M02-09-00: Test magnet with telescoping handle

XP-4: Extension Pole for XR2B. Extends from 5 – 15 ft.

T55-127-000: Detector Removal Head

BCK-200B: Black Detector Kit. For SK series detectors

U.S. JUNCTION BOXES			
Single Gang	3.5" Oct.	4" Oct **	4" SQ
No	No	Yes	Yes

METRIC JUNCTION BOXES			
50mm	60mm	70mm	75mm
No	No	Yes	Yes

Note: Box depth is contingent on base and wire size. Refer to the National Electric Code or applicable local codes for appropriate recommendations.

****with 3.0" mud ring**

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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For Technical Support, call 800-446-6444.

For more information

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

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