



## 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.



**B224BI**

## 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  $\mu$ 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**

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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](http://www.silentknight.com)

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