SILENT KNIGHT
by Honeywell

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.

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

Description

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

Features

- 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

U.S. Junction Boxes			
Single Gang	3.5" Oct	4" Oct †	4" SQ
No	No	Yes	Yes

Metric Junction Boxes			
50 MM	60 mm	70 mm	75 mm
No	No	Yes	Yes

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

† with 3.0 mud ring

B224BI

Compatibility

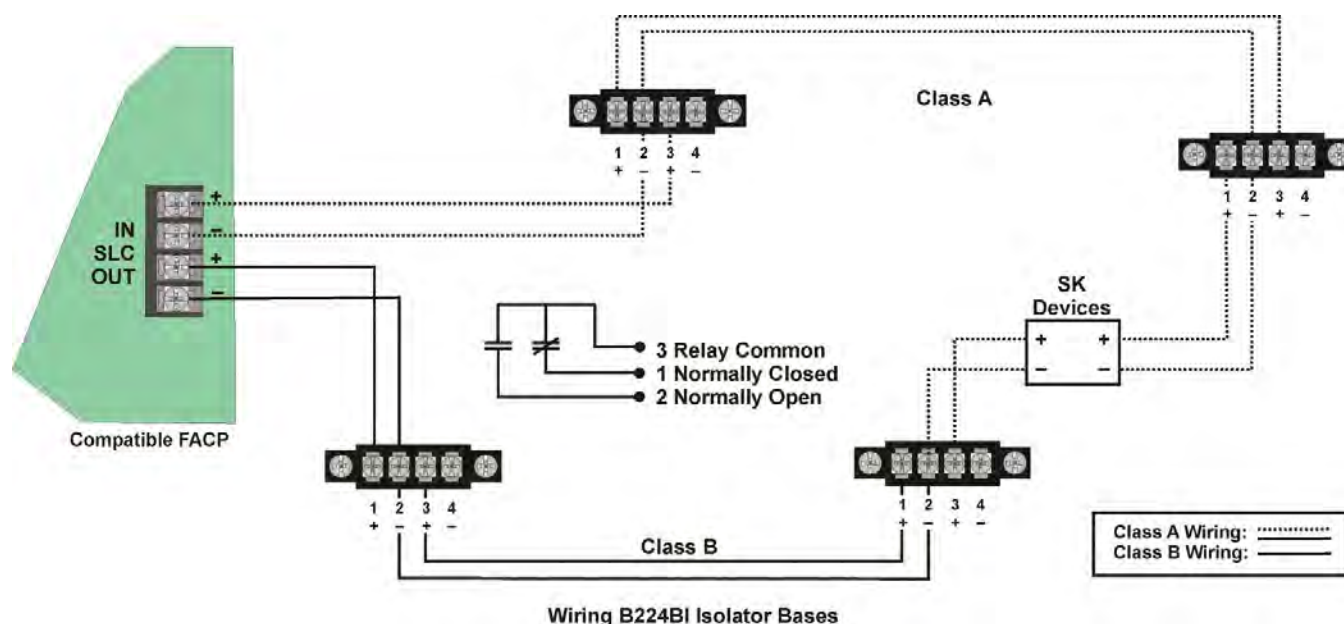The B224BI is compatible with the following SK-series detectors:

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

- SK-Acclimate Multicriteria Photoelectric Smoke Detector

- SK-Ion Ionization 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 IntelliKnight FACP's:

5700
5808
5820XL
5820XL-EVS

Model B224BI
Intelligent Isolator Base

Wiring B224BI Isolator Bases

Specifications

Physical
Height: 1.2" (3.1 cm)

Diameter: 6.1" (15.5 cm)

Electrical
Wire Gauge: 22–14

Operating Voltage: 15 – 32 VDC

Standby Current: 450 µA max @ 24 VDC

Environmental
Operating Temperature: 14ºF – 140ºF (-10ºC – 60ºC)

Normal Ambient Temperature: 32ºF – 120ºF (0ºC – 49ºC)

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.

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