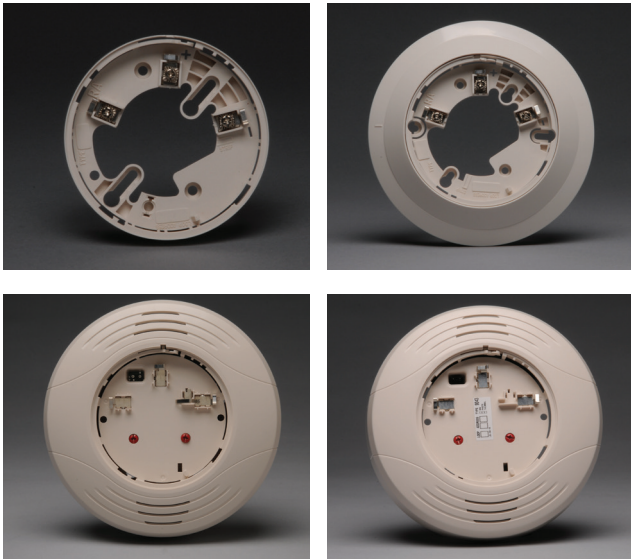


200 SERIES Mounting Bases



Description

Secutron's mounting bases and kits provide a variety of ways to install detectors in any application. Secutron offers relay, isolator, and sounder base options for the MRI-200 Series detectors. Relay bases provide one form C contact relay for control of auxiliary functions, such as door closure and elevator recall. Isolator bases allow loops to continue to operate under fault conditions and automatically restore when the fault is removed.

The Sounder base is available in a combination temporal 3 and continuous tone model (B200SR).

The 200 Series Bases provide a variety of mounting options to meet your installation challenges. Bases come in flanged or flangless versions for mounting to a variety of junction boxes. See the 200 Series Junction Box Selection Guide on the next page for junction box options. Surface mounting boxes are also available.

Features

- Bases enable quick and secure detector plug-in
- SEMS screws provide easy wiring connection
- Support for 12-24 AWG provides installation flexibility
- Multiple accessory options provide mounting flexibility
- Sounder bases are compliant with UL 464 and UL 864

Physical Specifications

Diameter	
B501	4.1" (104 mm)
B210LP	6.1" (155 mm)
B224RB, B224BI, B200SR	6.875" (175 mm)
Wire Gauge	
24 to 12 AWG	
Temperature Range	
B224BI, B224RB, B200SR	32°F to 120°F (0°C to 49° C)
B501, B210LP	-4°F to 150°F (-20°C to 66° C)
Humidity Range	
10% to 93% RH non-condensing	



Note: Refer to ordering information for agency listing details.

Specifications

B224RB/B224BI Electrical Ratings

Operating Voltage
15 to 32 VDC (powered by SLC)
Standby Current
170/450 μ A max.
Set Time (B224RB only)
Short Delay: 60 to 100 msec Long Delay: 6 to 10 sec
Reset Time (B224RB only)
20 msec max.
Relay Characteristics (B224RB only)
2 coil latching relay 1 Form C contact UL/ULC Rating: 0.5 A @ 125 VAC 0.9 A @ 125 VDC 3 A @ 30 VDC

B200SR Electrical Ratings

External Supply Voltage
16 to 33 VDC (VFWR)
Standby Current
500 μ A max.
Sound Output
Greater than 90 dBA measured in anechoic room at 10 feet, 24 volts. 85 dBA minimum in UL reverberant room
Alarm Current
35 mA max.

200 Series Junction Box Selection Guide

Model	Single Gang	3.5" Oct.	4" Oct.	4" Sq.	4" Sq.*	50 mm	60 mm	70 mm	75 mm
B501	No	Yes	No	No	Yes	Yes	Yes	Yes	No
B210LP	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
B224RB	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
B224BI	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
B200SR	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No

*with 3.0 mud ring

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

Ordering Information

Model	Description	Agency Listing
B210LP*	6" Flanged Mounting Base	UL, ULC, FM, CSFM
B501*	4" Flangeless Mounting Base	UL, ULC, FM, CSFM
B224RB*	Relay Base	UL, ULC, FM, CSFM
B224BI*	Isolator Base	UL, ULC, CSFM, FM
B200SR*	Standard Sounder Base (Compatible with B501BH Series)	UL, ULC, CSFM

*Add suffix "A" for Canadian ULC listed model.