

## MOUNTING BASES

## 200 SERIES

Mircom's mounting bases and kits provide a variety of ways to install detectors in any application.

The MIX-200 Series detectors can be mounted in either flanged or flangeless bases depending on the junction box selection.



### **B501 Flangeless Mounting Base**

The B501 is standard base with no flange.



### **B501BH Sounder Base**

The B501BH Sounder Base provides a built-in sounder which can be used for evacuation purposes.



### **B210LP Flanged Mounting Base**

The B210LP is a low profile mounting base with a flange.



### **B224RB Relay Base**

The B224RB Relay Base provides one form C relay contact for control of auxiliary functions such as damper control and elevator recall.



### **B224BI Isolator Base**

The B224BI Isolator Base allows loops to continue to operate under fault conditions and automatically restore when the fault is removed.



CATALOG NUMBER **5906**

NOT TO BE USED FOR INSTALLATION PURPOSES.

Mircom reserves the right to make changes at any time without notice in prices, colours, materials, components, equipment, specifications and models and also to discontinue models.

# Specifications

## Base Specifications

**Diameter**  
4.0" (102 mm);flangeless  
6.1" (155 mm);flange

**Height**  
1.2" (31 mm)

**Wire Gauge**  
12 - 22 AWG

**Temperature Range**  
32°F to 120°F (0°C to 49°C)

**Humidity Range**  
10% to 93% RH noncondensing

## B224RB/B224BI Electrical Ratings

**Operating Voltage**  
15 to 32 VDC

**Standby Ratings**  
<500 µA maximum @24 VDC

**Set Time**  
4 sec.minimum,20 sec.maximum

**Reset Time**  
1 sec.minimum, 8 sec.maximum

**Relay Characteristics (relay base only)**  
2 coil latching relay  
1 Form C contact  
Resistive contact rating: 2 A @ 30 VDC  
Inductive contact rating:  
0.3 A @ 110 VDC (with .35 pF or greater),  
0.3 A @ 120 VAC (with .35 pF or greater),  
1.0 A @ 30 VDC (with .6 pF or greater)

## B501BH/B501BHT Electrical Ratings

**External Supply Voltage**  
17 to 32 VDC

**Standby Current**  
1.0 mA max.

**Alarm Current**  
15 mA max.

**Maximum Ripple Voltage**  
10% of supply voltage

**Start-up Capacitance**  
200 µF

**Sound Output**  
Greater than 90 dBA measured in anechoic room at 10 feet, 24 volts. 85 dBA minimum in UL reverberant room.

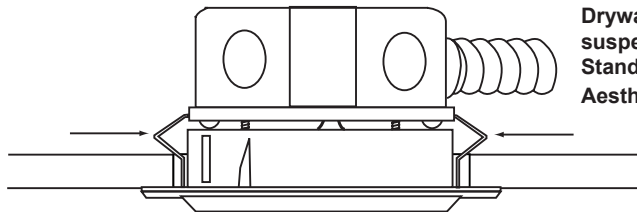
## 200 Series Junction Box Selection Guide

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	No	No
B224RB	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes
B224BI	No	Yes	Yes	Yes	No	No	No	Yes	Yes
B501BH	No	No	No	Yes	No	No	No	No	No
B501BHT	No	No	No	Yes	No	No	No	No	No

\*with 3.0 .mud ring

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

## Recessed Mounting Kit Product Overview



**Drywall or suspended ceiling**  
**Standard junction boxes**  
**Aesthetically pleasing**

Used with B501,the RMK400 provides a simple installation solution in applications that demand a lower profile smoke detector.

**Uses.** Kit is suitable for use with 4"octagon, 50mm, and 60mm junction boxes connected to flexible conduit.

Junction boxes are not included in kit.

**Note:** Not listed for use with MIX-1251(A).

## Ordering Information

Model	Description	Agency Listing
B501	Flangeless Mounting Base	UL, ULC, FM, CSFM, MEA
B210LP	Flanged Mounting Base	UL, ULC, FM, CSFM, MEA
B501BH	Sounder Base	UL, ULC, CSFM, MEA, SSL
B501BHT	Temporal Tone Sounder Base	UL
B224RB	Relay Base	UL, ULC, CSFM, MEA
B224BI	Isolator Base	UL, ULC, CSFM, FM, MEA
RA400Z	Remote LED Annunciator	

**Note:** For Canadian models add suffix "A".

NOT TO BE USED FOR INSTALLATION PURPOSES.



**Canada**  
25 Interchange Way  
Vaughan, Ontario L4K 5W3  
Telephone: (905) 660-4655  
Fax: (905) 660-4113

**U.S.A.**  
4575 Witmer Industrial Estates  
Niagara Falls, NY 14305  
Toll Free: (888) 660-4655  
Fax Toll Free: (888) 660-4113

Web page: <http://www.mircom.com> Email: [mail@mircom.com](mailto:mail@mircom.com)

Distributed by:

ISO 9001:2000  
REGISTERED



CAT. 5906  
Rev. 4