



HARRINGTON FIRE ALARM

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Mounting Bases Addressable Smoke Detector Bases

Description

Mounting bases and kits from Harrington Signal provide a variety of ways in install detectors in any application. 200 Series detectors can be mounted in either flanged or flange-less bases depending on junction box selection. Relay, isolator, and sounder bases can be used to meet local code requirements. Relay bases provide one Form C contact relay for control of auxiliary functions such as damper control and elevator recall. Isolator bases allow loops to continue to operate under fault conditions and automatically restore when the fault is removed.

Sounder bases are available in temporal and non-temporal pattern versions depending on whether the signal is to be used for evacuation purposes. The recessed mounting kit provides the most aesthetically pleasing installation. Surface mounting boxes are available when flush mounting isn't possible.

Whatever the installation challenge, Harrington can provide the solution.

B501



B210LP



B224RB



SMK400



B501BH



2251 In RMK400 Recessed mounting kit.



Ordering Information

Model Number	Part Number	Description
B210LP	349-0757	Addressable 6" Base Low Profile
B224BI	349-0856	Addressable 6" Isolator Base
B224RB	349-0647	Addressable 6" Relay Base
B501BH	349-0525	Addressable 6" Base w/ Standard Sounder
B501BHT	349-1023	Addressable 6" base w/ Temporal Sounder, 9th Edition
T110	349-0887	Trim Ring
B501	349-0515	Addressable 4" Base (must use special box for mounting)
B501BH2	349-0894	Addressable 6" Base w/ Standard Sounder, 9th Edition
B501BHT2	349-0895	Addressable 6" Base w/ Temporal Sounder, 9th Edition



Specifications, 200 Series Bases

Physical Specifications

Diameter	B501: 4.1 IN (104 MM); B210LP, B224RB, B224BI: 6.1" (155 mm); B501BH, B501BHT, B501BH-2: 6.0 in (152 mm)
Wire Gauge	B224BI, B224RB: 24 to 14 AWG; B501, B210LP, B501BH, B501BHT, B501BH-2, B501BHT-2: 24 TO 12 AWG
Temperature Range	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

B224RB/B224BI Electrical Ratings

Operating Voltage	15 to 32 VDC (powered by SLC)
Standby Ratings	<500 µA maximum @ 24 VDC
Set Time (B224RB only)	Short Delay: 55 to 90 msec Long Delay: 6 to 9 sec
Reset Time (B224RB only)	20 msec max.
Relay Characteristics (B224RB only)	2 coil latching relay 1 Form C contact UL/CSA Rating: 0.9A @ 125 VAC 0.9A @ 110 VDC 3 A @ 30 VDC

B501BH/B501BHT/B501BH-2/B501BHT-2 Electrical Ratings

External Supply Voltage	17 to 32 VDC
Standby Current	1.0 mA max.
Set Time	B501BH/B501BHT: 6 to 15 sec B501BH-2/B501BHT-2: 0.75 to 5.7 sec
Maximum Ripple Voltage	10% of supply voltage
Sound Output	Greater than 90 dBA measured in anechoic room at 10 feet, 24 volts. 85 dBA minimum in UL reverberant room
Alarm Current	15 mA max.
Start-up Capacitance	200µF

200 Series Junction Box Selection Guide

Model	Single Gang	3.5" Octagonal	4" Octagonal	4" Square	4" Square*	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 / B501BH-2	No	No	No	Yes	No	No	No	No	No
B501BHT / B501BHT-2	No	No	No	Yes	No	No	No	No	No

*with 3.0 in mud ring

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

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice. Quality manufactured for Harrington Signal Inc. By System Sensor.