



by Honeywell

Intelligent Bases

Description

The Intelligent Velociti® and CLIP™ mounting bases and kits provide a variety of ways to install Gamewell-FCI detectors in any application. These mounting bases are non-addressable and are available in both the Velociti and Clip protocols. The intelligent detectors can be mounted in any of the following, depending on the junction box selection (see Table 1 - Junction Box Selection Guide).

- flanged bases
- flangeless bases
- plastic rings

Relay, isolator, and sounder bases can be used to meet local code requirements. Relay bases provide one Form-C contact relay for the 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. Sounder bases are available in a combination temporal 3 and continuous tone model.

The Intelligent Bases provide a variety of mounting options to meet your installation challenges. The bases come in flanged or flangeless versions so that you can mount the bases to a variety of junction boxes. See Table 1 for the Junction Box Selection Guide. You can use the SMB600 surface mounting box to mount the following bases:

- B224RB relay base
- B210LP relay base
- B224BI isolator base

Specifications

System Temperature and Humidity Ranges:

These bases comply with the NFPA requirements for operation at 0°C to 49°C (32°F to 120°F); and at a relative humidity (non-condensing) of 85% at 30°C (86°F) per NFPA, and 93% ± 2% at 32°C ± 2°C (89.6°F ± 1.1°F) per ULC®. However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that the bases and all peripherals be installed in an environment with a nominal room temperature of 15°C to 27°C (60°F to 80°F).

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UL® is a registered trademark of Underwriters Laboratories Inc.
ULC® is a registered trademark of Underwriters Laboratories of Canada Inc.

B501, B224RB, B224BI, and B210LP, Mounting Kits, and Accessories



Figure 1 B501 Mounting Base



Figure 2 B210LP Mounting Base



Figure 3 B224BI Mounting Base



Figure 4 B224RB Mounting Base

Features

All sounder bases offer the following features.

- Complies with UL Standards 268 and 464.
- Includes the following three types of bases that comply with local code requirements:
 - Relay
 - Isolator
 - Sounder
- Offers temporal and non-temporal pattern versions.

Relay Base Feature

- Relay bases provide one Form-C contact relay.

Isolator Base Feature

- Isolator bases include data communications lines to operate under fault condition.

Installation Features

The bases offer the following flexible installation characteristics.

- Has multiple accessory options.
- Includes an installation mounting kit and accessories for several types of model options.
- Supports 12-24 AWG gauge wire ranges to provide the bases with flexible installation.
- Contains bases that enable quick and secure detector plug-in.
- Provides SEMS screws for easy wiring connections.

SIGNALING



LISTED S911

APPROVED 3035027

7135-1653:0213



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Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.

Temperature Range:

For B501, B224RB, B224BI, and B210LP 32°F to 120°F (0°C to 49° C)

Humidity Range: 10% to 93% RH, non-condensing

Wire Gauge:

For B224BI, B224RB: 14 to 24 AWG

Electrical Ratings

For B224RB, B224BI:

Operating Voltage: 15 to 32 VDC (powered by SLC)

Standby Ratings: <500 µA maximum @ 24 VDC

Set Time

(B224RB only): Short delay: 55-90 mseconds
Long delay: 6 to 9 seconds

Reset Time

(B224RB only): 20 mseconds maximum

Relay

Characteristics

(B224RB only): Two-coil Latching Relay
One Form-C Contact

Ratings (UL/CSA): 0.9 A @ 125 VAC (inductive)
0.9 A @ 110 VDC (inductive)
3.0 A @ 30 VDC (resistive)

Ordering Information

Intelligent Bases

Part Number	Description
B501	Flangeless mounting base
Dimensions:	4.1" (10.41 cm) diameter
B501BP	Flangeless mounting base bulk pack
Dimensions:	4.1" (10.41 cm) diameter
B224BI	Isolator base
Dimensions:	6.875" (17.462 cm) diameter
B224RB	Relay base
Dimensions:	6.875" (17.462 cm) diameter
B210LP	Flanged mounting base
Dimensions:	6.1" (15.5 cm) diameter
B210LPBP	Flanged mounting base bulk pack
Dimensions:	6.1" (15.5 cm) diameter
XR2B	Detector removal tool (T55-127-000 included).
XP-4	Extension pole for XR2B (5 to 15 ft/1.524 to 4.572 m)
T55-127-000	Detector removal head.
BCK-200B	Black detector kit.
WCK-200B	White detector kit.

Mounting Kits and Accessories

Part Number	Description
SMB600	Surface mounting kit, flanged.
F110	Accessory retrofit flange ring for B210LP
F110BP	Accessory retrofit flange ring for the B210LPBP bulk pack of 15.
F210	Accessory with a new smaller flange ring for the B210LP.
M02-04-01	Detector test magnet.
M02-09-00	Test magnet with telescoping handle.

Table 1 shows the Junction Box Selection Guide.

Table 1: Junction Box Selection Guide

	Single-Gang	3.5" Octagonal	4.0" Octagonal	4.0" Square	4.0" Square with 3.0" mud ring	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
B224BI	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
B224RB	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes

NOTE: The box depth is contingent on the base and the wire size.

For information on applicable local codes for appropriate recommendation, refer to the National Electrical Code.

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