

Intelligent Bases

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

General

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 devices, depending on the junction box selection (see Table 1 - Junction Box Selection Guide).

- flanged bases
- flangeless bases
- plastic rings

Note: The E3 Series® and S3 Series panels support both the Velociti® and CLIP™ protocols, and the GWF-7075 panel supports only the Velociti protocol.

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 are available 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:

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



Figure 1 B501 Mounting Base



Figure 2 B210LP Mounting Base



Figure 3 B224BI Mounting Base



Figure 4 B224RB Mounting Base

FEATURES & BENEFITS

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

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:

- Offers multiple accessory options
- Includes an installation mounting kit and accessories for several types of model options

- Uses 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

- Available in temporal and non-temporal pattern versions

Ordering Information

NOTE: "WH" suffix indicates Bright White color model.

NOTE: "-IV" suffix indicates Ivory color model.

NOTE: "-BL" suffix indicates Black color model.

Intelligent Bases

B501-WHITE: Flangeless mounting base, bright white

Dimensions: 4" (10.2 cm) diameter x 0.74" (18.8 mm) height

B501-WHITE-BP: Flangeless mounting base bulk pack, bright white

B501-IV: Standard European flangeless mounting base, ivory

B501-BL: Standard European flangeless mounting base, black

B224BI-WH: Plug-in Isolator detector base, bright white

Dimensions: 6.85 (17.4 cm) diameter x 1.61" (4.1 cm) height

B224BI-IV: Plug-in Isolator detector base, ivory

B224RB-WH: Plug-in Relay detector base, bright white

Dimensions: 6.85" (17.4 cm) diameter x 1.61" (4.1 cm) height

B224RB-IV: Plug-in Relay detector base, ivory

B300-6 : Standard flanged low-profile mounting base, white

Dimensions: 6.1" (15.49 cm) diameter

B300-6-BP: Bulk pack of B200-6 package contains 10

B300-6-IV: Standard flanged low-profile mounting base, ivory

Ordering Information

Mounting Kits and Accessories:

BCK-200B: Detector kit, black

CK300: Detector color kit, white Pack of 10

CK300-IR: Detector color kit for use with MCS-COF Series Detectors, white. Pack of 10

CK300-IV: Detector color kit, ivory. Pack of 10.

CK300-IR-IV: Detector color kit for use with MCS-COF Series detectors, ivory. Pack of 10.

CK300-BL: Detector color kit, black. Pack of 10.

CK300-IR-BL: Detector color kit for use with MCS-COF Series detectors, black. Pack of 10.

TR300: Accessory flange ring for B300-6, bright white

TR300-IV: Accessory flange ring for B300-6m ivory

M02-04-01: Detector test magnet.

M02-09-00: Test magnet with telescoping handle.

RA100Z: Remote LED annunciator. 3-32 VDC. Mounts to a U.S. single-gang electrical box. For use with B401 and B300-6.

SMB600: Surface mounting kit, flanged.

TR300: Replacement flange for B210LP base, white

TR300-IV: Replacement flange for B210LP base, ivory

WCK-200B: Detector kit, white

Mounting Kits and Accessories

Table 1 lists the mounting kits and accessories assigned to each model.

	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.

Table 1: Intelligent Bases Mounting Kits

Intelligent Bases Technical Specifications

SYSTEM

Temperature Range:

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

For B210LP, B300-6, B501: -4° F to 150°F (-20°C to 66°C)

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

Wire Gauge:

For B224BI, B224RB: 14 to 24 AWG

For B210LP, B300-6, B501: 12 to 24 AWG

Electrical Ratings:

For B501, B224RB, B224BI:

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

Standby Ratings:

B501: 150 uA

B224BI: 450 uA maximum

B224RB: 170 uA

Set Time (B224RB only):

Short delay: 55-90 m seconds

Long delay: 6 to 9 seconds

Reset Time (B224RB only): 20 m seconds maximum

Relay Characteristics (B224RB only): Two-coil Latching

Relay One Form-C Contact

Ratings (UL/CSA):

0.9 A @ 125 VAC (resistive)

0.9 A @ 110 VDC (inductive)

3.0 A @ 30 VDC (resistive)

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F).

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 this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

STANDARDS

The Intelligent Bases are designed to comply with the following standards:

UL Standards: UL 268

UL 464

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

UL: S911

FM: 3035027

CSFM: 7135-1653:0213

7300-1653:0109

7300-1653:0126

7300-1653:0238

ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit:

<http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx>

Gamewell-FCI®, E3 Series® and Velociti® are registered trademarks and Clip™ is a trademark of Honeywell International Inc.

UL® is a registered trademark of Underwriters Laboratories Inc.

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

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information

Learn more about Gamewell-FCI's Intelligent Bases and other products available by visiting www.Gamewell-FCI.com

Honeywell Gamewell-FCI

12 Clintonville Road

Northford, CT 06472-1610

203.484.7161

www.honeywell.com

9021-60540 | J | 07/2018
©2018 Honeywell International Inc.

Honeywell