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SILENT KNIGHT
by Honeywell

Addressable Devices

Intelligent Bases

General

System Sensor® intelligent mounting bases and kits provide a variety of ways to install Silent Knight detectors in any application. Intelligent detectors can be mounted in either flanged or flangeless bases depending on junction box selection (see Junction Box Selection Guide). Across this product line, detectors plug in easily to the base with SEMS screws; and models employ various 12 to 24 AWG wire ranges.

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 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 temporal and non-temporal pattern versions depending on whether the signal is to be used for evacuation purposes.

Features

- Bases enable quick and secure detector plug-in
- SEMS screws provide easy wiring connection
- Support for 12-24 AWG (14-24 for B224RB and B224BI) provides installation flexibility
- Multiple accessory options provide mounting flexibility
- Sounder bases are compliant with UL 464 and UL 864

Specifications

Physical

Diameter:
– B501: 4.1” (104mm)
– B210LP, B224BI, B224RB: 6.1" (155 mm),
– B200SR: 6.875" (175 mm).
Wire gauge:
– B224BI, B224RB: 14 to 24 AWG.
– B200SR: 12 to 24 AWG.

Environmental

Operating temperature range:
– B224BI, B224RB, B200SR: 32°F to 120°F (0°C to 49°C).
– B210LP: -4°F to 150°F (-20°C to 66°C).
Humidity range: 10% to 93% RH, non-condensing.








Electrical

B200SR:
External supply voltage: 16 to 33 VDC (VFWR)
Standby current: 500 µA max.
– Alarm current: 35 mA max.SLC operating voltage: 15 to 32 VDC.
SLC standby current: 300 µF.
B224RB, B224BI:
Operating voltage: 15 to 32 VDC (powered by SLC).
Standby ratings: <500 µA max @ 24 VDC.
Set time (B224RB only): short delay 55 to 90 msec; long delay 6 to 9 seconds.
Reset time (B224RB only): 20 msec max.
Relay characteristics (B224RB only): two-coil latching relay; one Form-C contact; ratings (UL/CSA): 0.9 A @ 125 VAC, 0.9 A @ 110 VDC, and 3.0 A @ 30 VDC.

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Junction Box Selection Guide

Base Models	Single Gang	3.5” Oct	4.0” Oct.	4.0” Sq	4.0” Sq w/3.0” mud ring	50mm	60mm	70mm	75mm
B501	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No
B210LP	Yes	Yes	Yes	Yes	Yes	No	No	No	No
B224RB	No	Yes	Yes	No	No	No	Yes	Yes	Yes
B224BI	No	Yes	Yes	No	No	No	No	Yes	Yes
B200SR	Yes	No	Yes	Yes	No	No	No	No	No

Ordering Information

INTELLIGENT BASES

B501: Flangeless mounting base.

B210LP: Flanged Mounting Base

B200SR: Intelligent sounder base capable of producing sound output with T3 or continuous tone.

B224RB: Relay base.

B224BI: Isolator base.

Agency Listings and Approvals

The listings and approvals below apply to intelligent bases as noted. 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 Listed: S911
- FM Approved
- MEA: 22-95-E, 205-94-E Vol. 2; 257-06-E
- CSFM: 7300-0075:192, 7300-1653:109; 7300-1653:126, 7300-1653:191

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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, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610
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