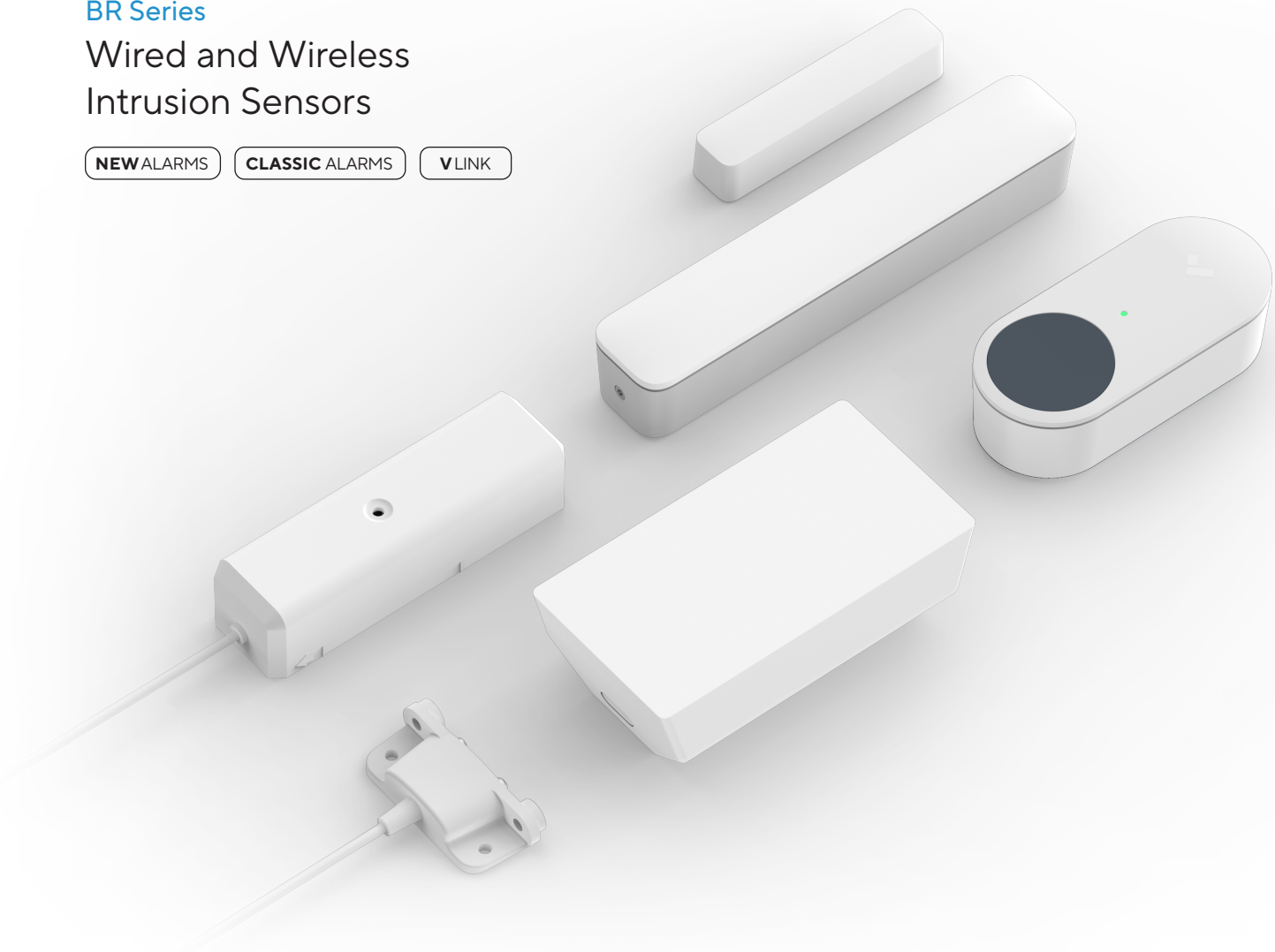## BR Series
Wired and Wireless Intrusion Sensors

NEW ALARMS   **CLASSIC** ALARMS   **V** LINK

Overview

Verkada's suite of wired and wireless intrusion sensors provide complete building protection for any site. Our wired sensors can be connected to the BP52 Panel, BE32 Expander, or BP41 Panel, while our wireless sensors will automatically connect to the nearest VLink hub. VLink is Verkada's proprietary wireless protocol that optimizes for security, range, and sensor battery life.

Key features

Full protection and visibility

- Full suite of sensors including door, motion, and water leak, as well as panic buttons
- Pair any sensor with a camera for video verification

Easy setup and management

- Wireless sensors automatically connect to the nearest VLink hub - no manual pairing process needed
- Cloud-managed from Command for easy configuration and monitoring

Built to last

- 10-year warranty on all sensors
- Up to 10 years of battery life for wireless door sensors and up to 5 years for other wireless sensors[1]
- User-serviceable batteries

1. Real-world battery life depends on a variety factors

Cloud-managed

Verkada's cloud-based management platform, Command, brings visibility and control at scale for many alarm systems across multiple sites. Users can remotely view live/historical activity for any sensor at any site, and see the connection quality and battery level for wireless sensors.
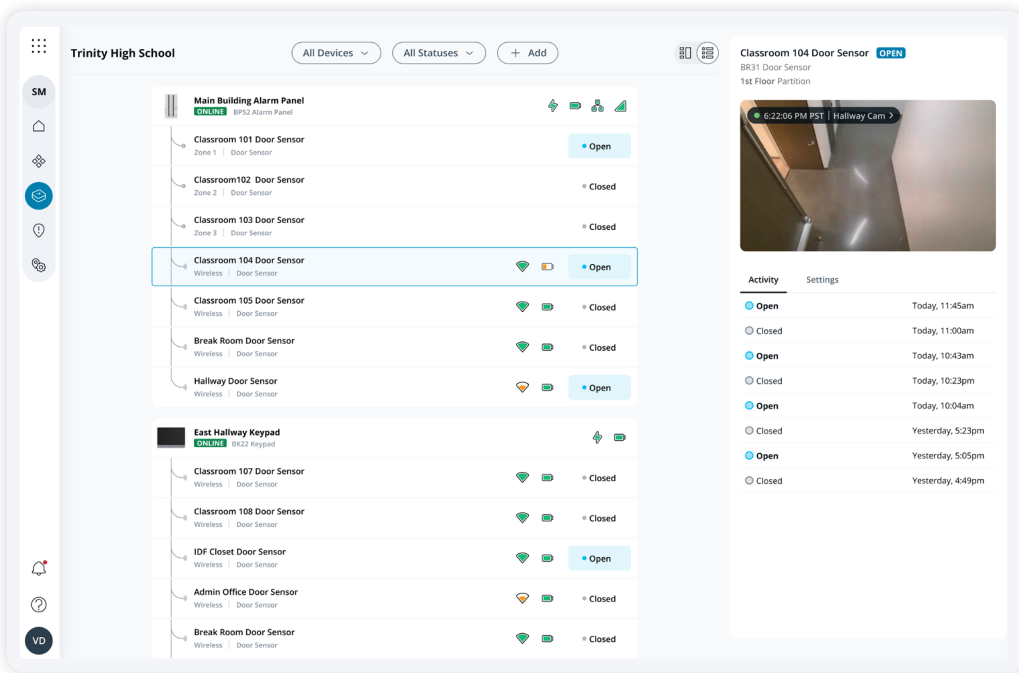
Partition-based alarms

Set distinct schedules and response flows for different sensor partitions, which are software-configurable. For example, a retail store could arm intrusion sensors at night and have the monitoring agent call security before dispatching police. On the other hand, the panic button at the cash register could be armed 24/7 and result in immediate police dispatch when pressed.
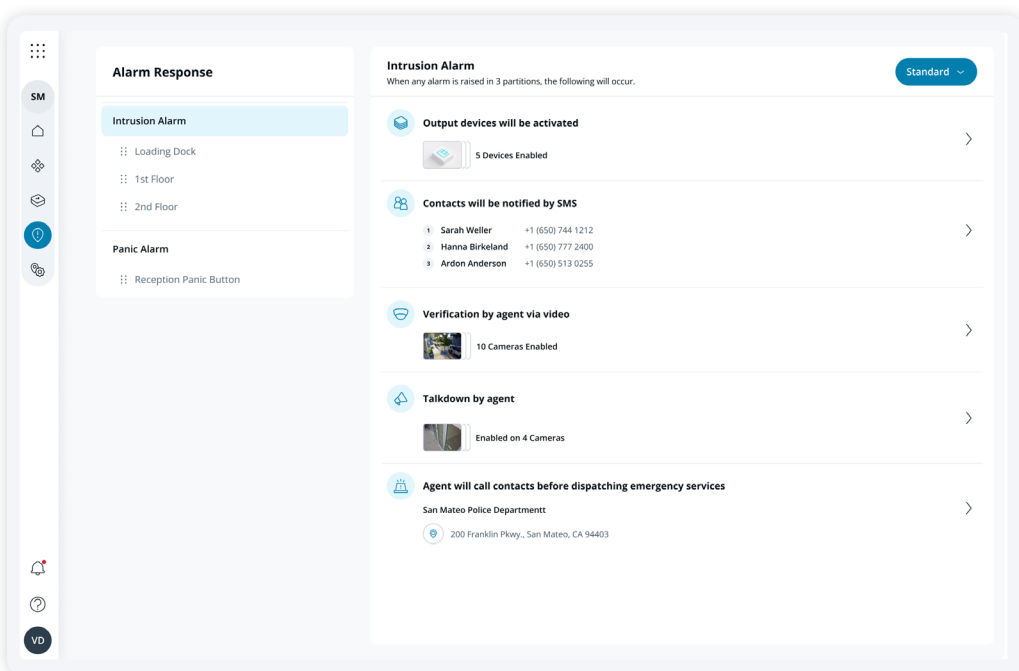
BR31 Wireless Door Sensor
Tech Specs

BR31

Power and network

Power Supply	2 x CR123A lithium batteries	**Wireless Communication**	VLink (proprietary 868-928 MHz)
Battery Life	Up to 10 years Real-world battery life depends on a variety factors	**Compatibility**	Compatible with any VLink hub Backwards compatible with BC82, BK21, and BH61

Sensor features

Wireless Range	Open field with line of sight: 300 ft / 90 m Expect reduced range indoors, depending on environment	**Door Gap Width**	Adjustable up to 2" (5 cm)

General

Dimensions	**Sensor** Height: 5.5" (14.0 cm) Width: 1.1" (2.7 cm) Depth: 1.0" (2.5 cm) **Magnet** Height: 2.8" (7.0 cm) Width: 0.6" (1.6 cm)	**Operating Temperature and Humidity**	32 to 113° F (0 to 45° C) 0-90% RH non-condensing Indoor use only
Weight	**Sensor** 3 oz (85 g) **Magnet** 0.9 oz (25 g)	**LED Indicator**	Test mode and low battery
Certifications	FCC, IC, CE, UKCA, RCM, IFETEL, UL/cUL/IEC 62368-1, FY2019 NDAA, EN 50131 (Grade 2)	**Warranty**	10 years

Installation

Included Accessories	2x CR123A batteries, 4x wood screws, 4x sheet metal screws, T10 Security Torx L key, VHB adhesive mount	**Mounting Options**	Wood and metal screws; VHB adhesive mount

For compliance and regional availability, please see https://www.verkada.com/alarms-availability/

BR32 Wireless Motion Sensor
Tech Specs

BR32

Power and network

Power Supply	2 x CR123A lithium batteries	**Wireless Communication**	VLink (proprietary 868-928 MHz)
Battery Life	Up to 5 years Real-world battery life depends on a variety factors	**Compatibility**	Compatible with any VLink hub Backwards compatible with BC82, BK21, and BH61

Sensor features

Detection Range	32 ft (10 m)	**Field of View**	90° horizontal
Wireless Range	Open field with line of sight: 300 ft / 90 m Expect reduced range indoors, depending on environment	**Sensor Type**	Passive infrared (PIR)

General

Dimensions	Height: 3.7" (9.4 cm) Width: 2" (5.1 cm) Depth: 1.3" (3.4cm)	**Operating Temperature**	32 to 113° F (0 to 45° C) 0-90% RH non-condensing
Weight	3.3 oz (93 g)	**LED Indicator**	Test mode and low battery
Certifications	FCC, IC, CE, UKCA, RCM, IFETEL, UL/cUL/IEC 62368-1, FY2019 NDAA, EN 50131 (Grade 2)	**Warranty**	10 years

Installation

Included Accessories	2x CR123A batteries, 4x wall screws, 4x wall anchors	**Mounting Options**	Corner or wall mount

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For compliance and regional availability, please see https://www.verkada.com/alarms-availability/

BR33 Mounted Panic Button
Tech Specs

BR33

Power and network

Power Supply	1 x CR123A lithium battery	**Wireless Communication**	VLink (proprietary 868-928 MHz)
Battery Life	Up to 5 years Real-world battery life depends on a variety factors	**Compatibility**	Compatible with any VLink hub Backwards compatible with BC82, BK21, and BH61

Sensor features

Wireless Range	Open field with line of sight: 300 ft / 90 m Expect reduced range indoors, depending on environment	**Button Press Options**	Single, double, triple, or long press

General

Dimensions	Height: 3.2" (8.1 cm) Width: 1.4" (3.6 cm) Depth: 0.9" (2.3 cm)	**Operating Temperature**	32 to 113° F (0 to 45° C) 0-90% RH non-condensing
Weight	1.7 oz (49 g)	**LED Indicator**	Successful transmission, unsuccessful transmission, low battery
Certifications	FCC, IC, CE, UKCA, RCM, IFETEL, UL/cUL/IEC 62368-1, FY2019 NDAA, EN 50131 (Grade 2)	**Warranty**	10 years

Installation

Included Accessories	CR123A battery (installed), Mount plate, T10 Torx wrench, 2x wall screws, 2x wall anchors, VHB adhesive mount	**Mounting Options**	Wall or surface mount

For compliance and regional availability, please see https://www.verkada.com/alarms-availability/

BR35 Wireless Water Leak Sensor
Tech Specs

BR35

Power and network

Power Supply	1 x CR123A lithium battery	**Wireless Communication**	VLink (proprietary 868-928 MHz)
Battery Life	Up to 5 years Real-world battery life depends on a variety factors	**Compatibility**	Compatible with any VLink hub Backwards compatible with BC82, BK21, and BH61

Sensor features

Wireless Range	Open field with line of sight: 300 ft / 90 m Expect reduced range indoors, depending on environment	**Sensor Type**	Probe with copper-nickel plated contacts

General

Dimensions	Height: 3.5" (8.8 cm) Width: 1.0" (2.5 cm) Depth: 1.1" (2.7 cm) Probe cable length: 7 ft (2.1 m)	**Operating Temperature**	32 to 113° F (0 to 45° C) 0-90% RH non-condensing
Weight	2.4 oz (67 g)	**LED Indicator**	Water detected and low battery
Certifications	FCC, IC, CE, UKCA, RCM, IFETEL, UL/cUL/IEC 62368-1, FY2019 NDAA, EN 50131 (Grade 2)	**Warranty**	10 years

Installation

Included Accessories	CR123A battery, 4x wall screws, VHB adhesive mount	**Mounting Options**	Wall or floor mounted

BR11 Wired Motion Sensor
Tech Specs

BR11

Power

Power Supply	8–16VDC; 15mA at 12VDC

Sensor features

Field of View	90°, 49 ft (15 m) maximum	**Tamper Switch**	Normally closed. 50mA at 30VDC
Sensitivity	Selectable: standard or high	**Temperature Compensation**	Bi–directional

General

Dimensions	Height: 3.7" (9.4 cm) Width: 2" (5.1 cm) Depth: 1.7" (4.2 cm)	**Operating Temperature**	-40 to 122° F (-40 to 60° C)
Warranty	10 years	**Certifications**	FCC, CE, ICES, UKCA, RCM, NOM, NDAA

Installation

Included Accessories	Wall screws, wall anchors

For compliance and regional availability, please see https://www.verkada.com/alarms-availability/

BR12/BR13 Wired Door Contact sensor
Tech Specs
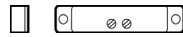
BR12

BR13

Power

Switching Voltage / Current	30VDC max, 0.5A	30VDC max, 0.5A

Sensor features

Mount Style	Surface mount	Recessed mount for aesthetically sensitive areas
Switch Style	Normally closed	Normally closed
Connection	2-wire	2-wire

General

Dimensions	**Sensor:** Height: 0.4" (1.0 cm) Width: 2" (5.1 cm) Depth: 0.3" (0.8 cm) **Magnet:** Height: 0.4" (1.0 cm) Width: 2" (5.1 cm) Depth: 0.3" (0.8 cm)	**Sensor:** Diameter: 0.37-0.43" (0.95-1.10 cm) Length: 0.9" (2.3 cm) **Magnet:** Diameter: 0.37-0.43" (0.95-1.10 cm) Length: 0.6" (1.5 cm)
Gap Width	0.3-1.3" (0.7 cm to 3.2 cm)	0.3-0.6" (0.7 cm to 1.5 cm)
Resistance	100mΩ initial contact resistance	100mΩ initial contact resistance
Operating Temperature	-40 to 122° F (-40 to 60° C)	-40 to 122° F (-40 to 60° C)
Certifications	FCC, CE, ICES, UKCA, RCM, NOM, NDAA	FCC, CE, ICES, UKCA, RCM, NOM, NDAA
Warranty	10 years	10 years

Installation

Included Accessories	Wall screws, wall anchors	–

For compliance and regional availability, please see https://www.verkada.com/alarms-availability/

Ordering Information

Wired Sensors

Model Number	Description	Cost (MSRP) USD
BR11-HW	Wired Motion Sensor	$99
BR12-HW	Wired Surface Mount Door Contacts - 5 Pack	$99
BR13-HW	Wired Recess Mount Door Contacts - 5 Pack	$99

Wireless Sensors

BR31-HW	Wireless Door Sensor	$99
BR32-HW	Wireless Motion Sensor	$99
BR33-HW	Mounted Panic Button	$99
BR35-HW	Wireless Water Leak Sensor	$99