BE32

Alarm Expander

NEW ALARMS | V LINK

Overview

The BE32 Alarm Expander extends the coverage of a Verkada alarm system with 8 input zones, 1 relay output, and a built-in VLink hub for up to 160 wireless sensors. The expander can be used to consolidate multiple wired sensors into a single RS485 cable run to the BP32 or BP52 panel. This allows for easy takeover of existing alarm systems where expanders are already in use at a distance from the panel. Furthermore, up to 4 BE32s can be daisy-chained to a single RS485 port on the alarm panel, allowing organizations to simplify installation at large sites.

Like other Verkada products, the BE32 is cloud-managed and natively integrates with other devices in the Verkada ecosystem. Through the Command web or mobile app, users can view live and historical sensor activity, access zone mapping, and manage software-defined partitions. Organizations additionally benefit from alerts for offline devices, 24/7 support, and automatic firmware updates, ensuring their device is always operational and improving over time.

Key features

Reduced wiring costs

- Consolidate existing wiring of up to 8 sensors into a single RS485 cable run to the alarm panel
- Daisy-chain up to 4 expanders to reduce wiring

Wired and wireless support

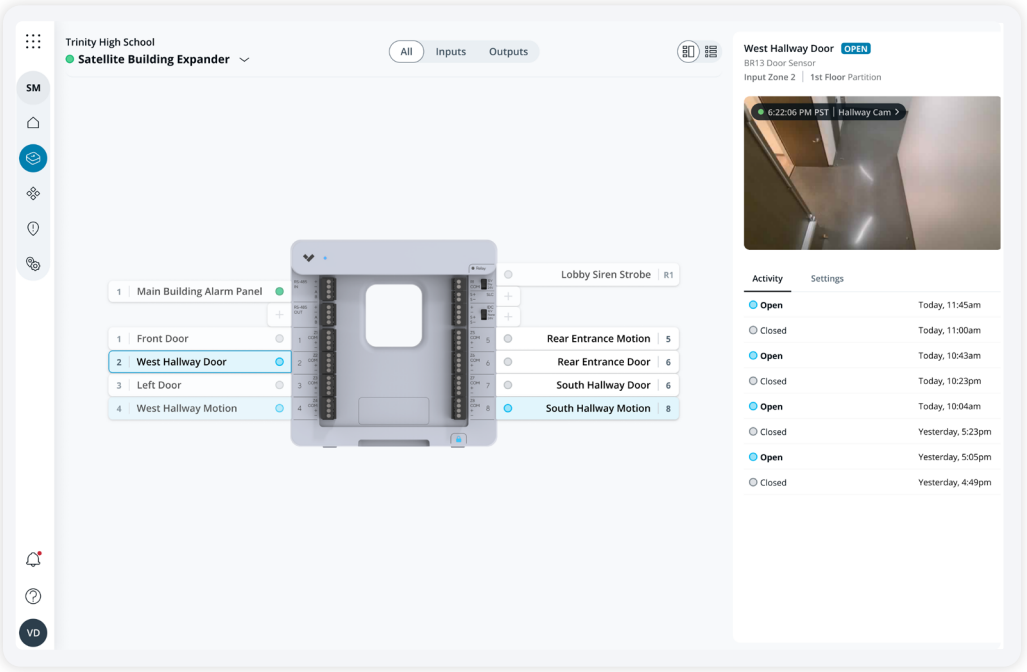
- 8 inputs for wired sensors, each with 12V AUX power
- Built-in VLink hub connects up to 160 wireless sensors
- 1 relay output for sirens and strobes

Cloud-managed

- See expander and sensor status in Verkada Command, including exact zone mapping
- Automatic health checks every minute, with real-time online/offline alerts
- Automatic firmware updates for the latest features and security enhancements

Cloud-managed

Verkada's cloud-based management platform, Command, brings visibility and control at scale for many alarm systems across multiple sites. Users can easily check live sensor activity, see an interactive zone map for an expander, and create software-defined partitions.



Compact design

The BE32's compact form factor allows for easy installation in tight spaces while its low-profile design blends into most environments.

BE32
Tech Specs

Power and network

Power Consumption	45W max See Output Specifications table for load limits (page 4)	**Uplink**	RS485 input
Power Input	10-36V DC input (via RS485)	**Wireless Communication**	VLink sub-GHz transceiver Wireless repeating not supported
VLink Wireless Range	Please refer to the downstream device datasheet		

Inputs and outputs

Alarm Inputs	8x inputs with 12V DC aux power Compatible with variable EOL resistors (1kΩ - 4.7kΩ)	**Relay Output**	1x relay for siren/strobe/NAC with switch-selectable voltage & optional dry config: • 12 or 24V DC wet operation • 24V DC dry operation
Conventional Fire Input (IDC)[1]	1x 2-wire or 4-wire Initiating Device Circuit input (conventional) with switch-selectable 12/24V DC aux power	**Addressable Fire Input (SLC)[1]**	1x 2-wire Signaling Line Circuit input (addressable) with 36V DC aux power
RS485 Output	1x RS485 output with 36V DC aux power for daisy-chaining BE32s (max 4 per chain)	**Tamper Detection**	Yes

General

Dimensions	Height: 6.0" (15.3 cm) Width: 6.0" (15.3 cm) Depth: 1.9" (5.0 cm)	**Operating Temperature and Humidity**	32 to 122° F (0 to 50° C) 0-90% RH non-condensing
Weight	1.6 lb (0.7kg)	**Warranty**	10 years
Certifications	FCC, IC, CE, UKCA, RCM, UL/IEC 62368-1, CSA NO22.2 62368-1		

Installation

Included Accessories	8x 1 kΩ EOL resistors, wall mount bracket, T10 Security Torx screwdriver, 4x machine screws, 4x wall screws, 4x wall anchors	**Mounting Options**	Wall or ceiling mount

1. Future software support

Output Specifications

The following information only applies for a BE32 that is directly wired to the BP52 panel.
For guidance on daisy-chained BE32s, please refer to this article.

Max loading per output rail with 36V input voltage[1]

- 12V (Aux + 12V relay) = 1A
- 24V (Relay) = 1A
- 36V (RS485) = 1A

Max output power vs. wire run length to BE32 with 36V input voltage

Wire Run to BE32	22AWG	18AWG	16AWG
2m	27W	39W	39W
50m	24W	39W	39W
100m	20W	38W	39W
150m	14W	38W	38W
200m	11W	29W	38W
250m	9W	23W	38W
300m	7W	19W	30W
400m		14W	23W
500m		11W	18W
600m		9W	15W
700m		8W	13W
800m		7W	11W
900m			10W
1000m			9W

1. Refer to the install guide for the output specifications table for 12V or 24V input voltage

Ordering Information

Expander

Model Number	Description	Cost (MSRP) USD
BE32-HW	BE32 Alarm Expander	$349