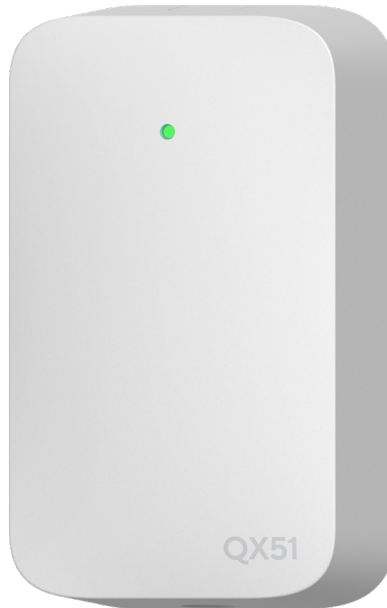


QX51

BSP Sensor Adapter

NEW ALARMS



Overview

The QX51 connects up to two wired sensors to a Better Sensor Protocol (BSP) addressable system, which allows for easy expansion over long distances and takeovers of legacy addressable sensors.

Organizations can daisy-chain up to 100 QX51s, which use BSP to transmit both power and data over a single pair of wires. Each QX51 has two input zones (one powered, one unpowered), meaning that up to 200 sensors can be deployed on one BSP run. The first QX51 in the series can connect to a BSP port on a Verkada alarm panel or a QX61 BSP RS-485 adapter.

Unlike legacy polling loops, BSP enables frictionless setup with automatic discovery and ordering of devices on the run. And since the QX51 is cloud-managed via Command, users can view live and historical sensor activity, set up alerts for offline devices, and benefit from automatic firmware updates.

Key features

Efficient site coverage

- Deploy up to 200 sensors on a single BSP run
- Connect powered sensors without an external DC power supply

Easy configuration

- The alarm panel auto-discovers all connected QX51s
- QX51s automatically populate in the correct order in Command

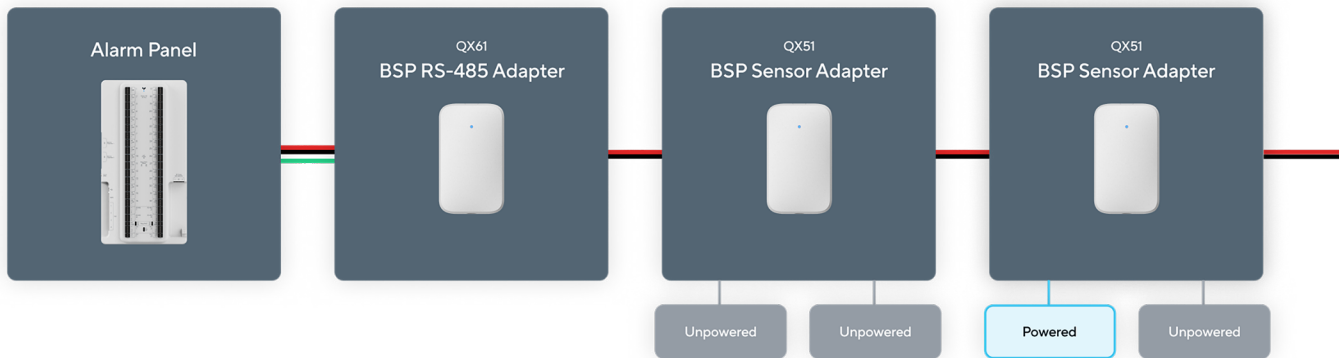
Cloud-managed

- Remote visibility of live and historical sensor activity
- Automatic health checks every minute, with real-time online/offline alerts



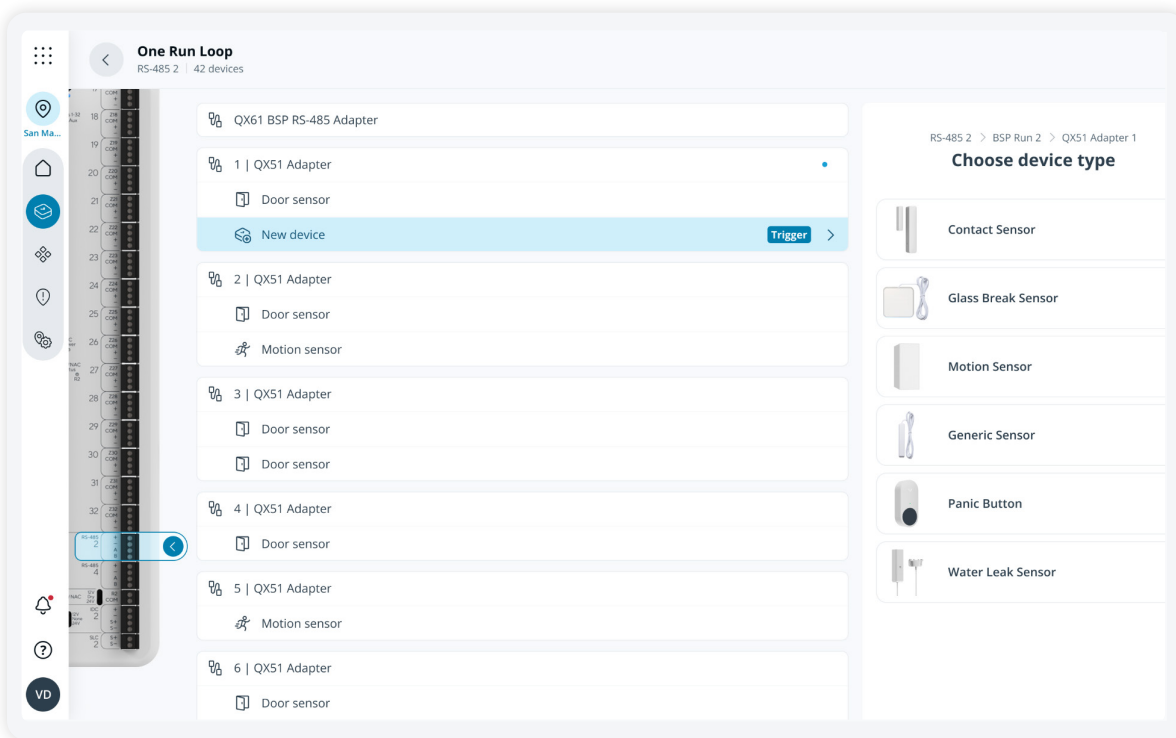
Easy takeover of existing systems

Organizations can easily replace legacy addressable modules with QX51s and reuse the existing wiring. Since the QX51 has two input zones and 12V aux power, organizations can often reduce costs by consolidating modules and eliminating external DC supplies for powered sensors. Please use the [BSP calculator](#) to design and validate a BSP run prior to installation.



Frictionless setup flow

Unlike legacy addressable modules, which often require installers to program the address with a DIP switch, the QX51 streamlines setup with automatic device discovery and ordering. The alarm panel recognizes any connected QX51s, adds them to Command, and displays them in the correct order. From there, installers can easily configure the attached sensors, which light up in the UI when triggered.





QX51

Tech specs

Power and network

Power consumption	0.3W max	Uplink	BSP input
Power input	18-36V DC (via BSP input)		

Inputs and outputs

BSP	1x BSP input 1x BSP output	Aux power	1x 12V DC aux power (10 mA max)
Alarm inputs	2x wired zones Compatible with variable EOL resistors (1k Ω - 4.7k Ω)	Tamper detection	Yes

General

Dimensions (with enclosure)	Height: 3.1in / 8.0cm Width: 1.9in / 4.7cm Depth: 1.2in / 3.1cm	Operating temperature and humidity	14 to 122° F / -10 to 50° C 5-85% RH non-condensing
Weight	2.8oz / 80g	Warranty	10 years
Certifications	FCC Part 15B Class B, ICES-003 Class B, CE, UKCA, VCCI, RCM, IK07		

Installation

Included accessories	4x 1 k Ω EOL resistors, mount plate, T10 security torx L-key, 2x wall screws, 2x wall anchors	Mounting options	Wall, ceiling, or junction box
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Ordering information

BSP Sensor Adapter

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
QX51-HW	BSP Sensor Adapter	\$129	\$129