



BOSCH
Invented for life

Application Note

Protect your ATM from theft

Intrusion Alarm Systems

Ensure effective countermeasures are in place to thwart criminal activity and protect ATMs with B Series Control Panels.

The Challenge

“Our stand-alone ATM’s have been the target of physical attacks. We need to prevent theft and protect our assets.”

The Solution

Detect physical attacks on stand-alone ATMs and prevent theft while allowing authorized service personnel easy access.

Physical attacks on ATMs remain a serious threat that affects the financial services industry, today. Enclosures that are easy to open give criminals access to the cash machine to install malware, or specialized electronics, or a combination of both to control the operations of the ATM, and execute a jackpotting attack.

While there is never 100 percent security in a networked and publicly accessible device such as an ATM, Bosch can help you create effective countermeasures for a multi-layer approach that protects your ATMs and raises the bar for an attacker to a point that they would rather try their luck elsewhere. With a B Series intrusion control panel mounted in the ATM, you can do the following:

Monitor the hood to detect when it was open.

To perform service on the ATM, the technician must enter a passcode to disarm the security system. If the hood is opened, but a proper code is not used, the system sends an alarm to the central monitoring station to alert the proper authorities so they can respond. Using Bosch's on-board cellular communication module eliminates the need for a physical phone line or IP connection.

Exclusive to Bosch, the monitor delay/delay response feature allows you to monitor the hood status even during disarmed periods. If the hood is open longer than necessary, the system warns the technician and sends a supervisory report.

Integrate video surveillance. When connected with Bosch IP cameras, Bosch panels can send a video snapshot of anyone who has opened the hood directly to the appropriate person or monitoring center.

Add Seismic/Shock sensors. Designed specifically to monitor ATMs, seismic/shock sensors detect and report physical attacks on the ATM chest.

Enable Dual Authentication. This feature requires two forms of identification – a passcode and credential (token or card) – and appropriate command and authority permissions before processing certain system commands, such as turning off the system.

Automatic re-arm. If the technician forgets to arm the system, it can be re-armed automatically after a pre-selected period. Creating a Custom Function automatically arms the system when the hood has been closed.

Create multiple levels of security. For an additional layer of protection, if the ATM has skimming detection equipment, the system can be used to monitor and report suspicious events.

In some cases, the alarm system in the branch has existing capacity that can be extended to protect the ATM. Check with your ATM manufacturer and security system provider to explore solutions specific to your needs.



The Result

“Now I have effective countermeasures in place to help detect criminal activity and protect my ATMs.”