



School Security Experts must reassess K-12 School Security strategies! Previously, a combination of Emergency Notification Systems (ENS), Social Media Scanning, and a secure Single Point of Entry were the key components for school security.

Shooter tactics have evolved: they are using rear entrances, unlocked gates, propped-open doors and fire alarms to gain access.

While ENS software can be a useful tool in school security, it should NOT be relied on as the sole or primary security measure. ENS software does not check door status, and it does not automatically lock classroom doors or perimeter gates.

Here's how Electronic Access Control (EAC) systems closes the gap in School Security!

The Missing Link - The way to make schools more secure is to connect an Electronic Access Control system to all gates and doors. The EAC System locks, unlocks and monitors the status of doors and gates on school campuses. The EAC System responds to a Lockdown command by locking all doors automatically in the event of a lockdown.

Integration with ENS - Normally, when the ENS sends a Lockdown announcement, it relies on human beings to receive the message and respond by manually locking doors, while also taking care of their students in the emergency. However, an EAC system can easily be integrated with the ENS, by using the contact inputs and outputs of both systems. Therefore, if faculty/staff report a threat and create a lockdown via the ENS, the integrated EAC system will lock all doors and gates immediately. Automatic locking eliminates student exposure, or the risk that a faculty member will encounter the shooter while trying to lock doors or perimeter gates.

Alternatively, if the Lockdown is initiated by the EAC System, and the EAC System's Lockdown Output is connected to the ENS "panic" contact input, the ENS will handle 911 calls and Lockdown notifications.

Alyssa's Law - A new state law in Florida and New Jersey requires public elementary and secondary schools to be equipped with **"silent panic alarms that are directly linked to law enforcement."** The EAC System itself complies if you connect a silent panic alarm button to a Lockdown Input, AND an auto-dialer to a Lockdown Output. The EAC System also complies if you connect the Lockdown Output to a compliant ENS system. New York is considering a similar law, more states will likely enact this law, and customers will continue to ask about compliance with Alyssa's Law.

Fire Alarms - Recently, an active shooter activated an external fire alarm pull station just as the school gates were being unlocked at day's end for parents to pick up their children. This strategy opened up the campus and unlocked all the classroom doors, allowing him to make his assault. The NFPA now allows a Positive Alarm Sequence (PAS) to be used for schools. PAS notifies emergency responders immediately when a manual pull station is activated, and it delays unlocking any doors for 180 seconds, allowing administrators time to determine if the fire alarm is a hoax. In general, most exterior fire alarm pull stations can be removed, and the system will still meet code (check with local AHJ).

Securakey White Paper

Campus Lockdown Solutions

You have an ENS. Why do you need an Access Control System?

An Emergency Notification System is designed to quickly and efficiently alert people of an emergency situation and provide them with instructions on how to stay safe. While ENS software for the K-12 school campus provides vital communication in the event of an emergency, alerting faculty and staff to an imminent threat, as well as sending 911 communications to the appropriate law enforcement and first responder agencies, **an ENS by itself is not adequate for school security** for the following reasons:

- The ENS **does not** check the status (propped, open or forced) of doors or gates, indicating security risks, nor does it verify readiness for a Lockdown.
- The ENS **does not** directly execute a lockdown by automatically locking all doors and gates.
- The ENS Alert **may not** reach every user—it relies on Wi-Fi networks and cell towers to send the Lockdown Alert. To receive the Alert, faculty/staff members must have a fully-charged mobile device nearby, powered on, within Wi-Fi range, and with the ringer enabled.
- Non-classroom doors and perimeter gates **may not** be locked in response to an ENS Alert (This includes libraries, cafeterias, auditoriums, gymnasiums, administrative buildings, athletic fields, etc). Teachers must prioritize their classrooms, and cannot risk locking other areas.

Advantages of Electronic Access Control System for Lockdown Applications

- Central control of **all** electric door and gate locks
- Instant one-button Lockdown capability
- Central reporting of propped, open, forced-open or malfunctioning doors
- No searching for keys during an emergency
- Remove an individual from the system without changing locks or keys
- Issue Access Cards to teachers and administrators. (**No need to issue cards to students**).
- Override Cards allow first responders to access secured areas during a Lockdown.
- Mobile App—allows authorized staff to remotely trigger an immediate lockdown and make other changes.

Recommended Implementation

- Connect EAC System to doors in classrooms and other areas where students may congregate (or hide), such as cafeterias, gyms, libraries, assembly halls, utility buildings, as well as administrative offices and perimeter gates.
- A card reader, electric strike, door position sensor and REX button or PIR must be installed at each controlled door or gate.
- Faculty and staff can use cards in place of keys, and as photo ID cards to identify staff and visitors, and first responders can use Override Cards to gain access during a lockdown.
- Strict Security Procedures: All classrooms must be locked during class. Campus Perimeter entrances are supervised at the start/end of school, and otherwise locked at all times, with a single point of entry during the day for visitors, vendors, delivery and service people, parents and volunteers. Non-climbable fencing and ballistic-rated classroom doors are recommended. Regular system tests and practice lockdowns should be performed.
- Link ENS to EAC System, as appropriate to your installation.



EAC Screen Shots—all using Securakey EAC System

Door Status

Secura Key's SK-NET EAC System™ provides a color-coded text display indicating the current status of all controlled doors. The system updates door status in a real-time manner, providing users with the latest information during a crisis situation.



Using Lockdown

Click on the Lockdown icon on the top menu bar. The Lockdown Icon will indicate the Lockdown Level, and the Door Status screen will show the current door status.



Lockdown Control

The Secura Key SK-NET™ EAC system provides three different Lockdown levels – the selection can be based on the level of the threat. You can set the Default Lockdown level, but it can be changed.

During a Level 2 or 3 Lockdown, the ability to use the access control system is disabled, to prevent an assailant from using a stolen card or forcing a cardholder to unlock doors under duress. Override Cards can be given to First Responders, allowing them to use readers during the Lockdown.



Mobile Application

If you have previously configured lockdown groups in the SK-NET Windows application, you can use the SK-NET Mobile App to start or cancel a system wide lockdown from the Settings page. SK-NET will reflect the selected lockdown state. You can select one of 3 lockdown levels.



SPECIFICATIONS—SK-NET™ EAC System Lockdown Feature

Lockdown Levels

- 1- All doors locked (scheduled, timed or manual unlocks canceled), request to exit/PIR input enabled, all authorized cards will unlock doors. ***This level Locks out all unauthorized users.***
- 2 - All doors locked, request to exit/PIR input **en**abled, only override cards will unlock doors. ***This level Locks out all users, except First Responders (override cards)***
- 3 - All doors locked, request to exit/PIR input **dis**abled, only override cards will unlock doors. ***This level Locks out all users except First Responders AND Prevents unauthorized/accidental unlock.***

Trigger Types

- Console (click Lockdown button)
- Mobile Access (tap Lockdown button) iOS or Android
- Lockdown Input: connect pushbutton or keyswitch, Gunshot Detector, ENS Lockdown Output, Wearable Panic Button
- Receiver Output

Lockdown Inputs

- Any input on any SK-NET™ reader/controller can be programmed as a Lockdown Input
- Multiple Lockdown Inputs can be programmed within the system
- A momentary pushbutton is preferred for this input – it can be located up to 250 feet from the control panel.
- The input performs a toggle function:
 - If no Lockdown currently exists, press and hold the pushbutton momentarily to initiate a Lockdown
 - If a lockdown currently exists, press and hold the input for 3 seconds to cancel the lockdown (To prevent unauthorized Lockdown cancellation, conceal switch location, use keyswitch or a One-Shot Pulse Generator.)
- Activation of the input will lock every opening defined in the SK-NET Lockdown location (using default Level)
- A Lockdown initiated via the SK-NET™ Console can also be cancelled by using an input.

Lockdown Outputs

- Any output on any SK-NET™ reader/controller already having a Lockdown Input, can be programmed as a Lockdown Output
- Can operate a visual or audible warning device
- Can activate an autodialer, CCTV system, external alarm device, or an ENS Lockdown Input
- Can simply follow the state of the associated Lockdown Input, or be programmed to activate for a user-specified period of time after the Lockdown Input is activated.

Software

- SK-NET™, 20 years field-proven Windows access control software platform, fully supported by US live tech support staff, reliable, powerful, multi-location, server version, CCTV Integration available.

Mobile App

- iOS or Android, Cloud based, Lockdown control from Mobile App is configurable on a per-user basis.
- Provides critical response speed for threats observed at the perimeter.

Non-Secure Door Warning

- If any Door/Gate is in an insecure state when Lockdown is initiated, Door Status Indicator will flash the status information

ORDERING

Lockdown is a standard feature on SK-NET 6.2 or newer, and on SK-NET Mobile App.

Dealers: Contact Securakey to become an authorized SK-NET Mobile Reseller/Installer.

End Users: Contact your Securakey Dealer to purchase a subscription to SK-Net Mobile.