



# Innovative Solutions School Security





## Security Challenges for Schools

Schools face a variety of security challenges. With hundreds of locking points throughout the building, schools require a large inventory of keys. When master keys are lost, stolen or copied, the entire facility is at risk. Schools require an affordable access control solution that not only secures all access points, but also minimizes the risks associated with key duplication and lost or stolen keys.

CyberLock is virtually tailor made for schools. It offers security at every locking point without hard-wiring. Additionally, CyberKey smart keys are designed with electronic access codes, making them less susceptible to mechanical duplication like traditional master keys.



### With CyberLock You Can:

- Secure computer and storage labs
- Secure off-site locations: athletic fields, concession stands, and common use areas
- Protect confidential student records
- Adhere to legal guidelines: FERPA and HIPPA
- Eliminate the need to re-key when keys are lost, stolen, or employees are dismissed
- Track access attempts with detailed audit reports
- Control and track access of school staff: teachers, coaches, janitors
- Carry one key that can be programmed to open one lock or all locks in your system
- Integrate a hard-wired system with the Flex system to have ultimate access control for all areas, remote and local

# CyberLock Features



## **Never Re-key Again**

When a key is lost or stolen, CyberLock cylinders can be programmed to deny access to the lost or stolen key. Additionally, CyberKey smart keys can be scheduled with an expiration date. This means when the key expires it will deny access until communication occurs between the key and the CyberAudit software.



## **Eliminate Duplication Concerns**

CyberLock employs unique access codes that electronically bind both the cylinder and key to one system, meaning CyberKey smart keys are not susceptible to mechanical duplication like traditional master keys.



## **Control and Schedule Access**

Using the CyberAudit Management software, permissions for each lock and key can be changed effortlessly, enabling immediate and precise control over access to all entry points. CyberKey smart keys are programmed with a schedule to open one, several, or all locks in the system within a designated time frame.



## **Increase Accountability**

Every time a CyberKey meets a CyberLock, a time-stamped access record is stored in both the lock and the key, providing system administrators with full visibility of all access attempts, whether successful or not.



## **Easy Installation**

Over 380 CyberLock cylinders have been designed to retrofit into a variety of access points, including doors, cabinets, gates and more. CyberLock cylinders retrofit directly into existing hardware, making installation quick and seamless.



## **Physical Security**

Unlike mechanical locks, CyberLock cylinders have a unique, sealed design that negates standard lock picking techniques. Additionally, CyberLock cylinders are high security locks designed to withstand a variety of harsh environments.



## **System Integration**

With system enhancement modules, the CyberLock system can integrate with an existing hard-wired system, allowing schools to use both hard-wired and wireless access control solutions.



## Roseville and Oakville Schools

### **Challenge: Finding a Cost Effective Way to Monitor Vandalism and Lost Keys**

Due to regularly lost keys and vandalism of property, Roseville Joint Unified School District's Brian Gruchow (Director of Maintenance, Operations and Transportation) needed to implement a district-wide access control solution. Despite an ever-growing number of keys getting lost, stolen or misplaced, it was financially prohibitive to rekey the entire school district each year. A complete re-key had not occurred in over 30 years, resulting in inadequate security throughout the district.

### **Solution: CyberLock**

After a year of in-depth research and testing of various security products and systems, the RJUSD discovered the solution that best fit their needs. Inexpensive, easy to install and minimal maintenance requirements made CyberLock's access control system the best fit. The CyberLock system required no hard-wiring and the cylinders were easily retrofitted in the district's existing Schlage and Corbin-Russwin mechanical hardware. The ease of installation was an immediate benefit, both in cost of equipment and cost of labor.

RJUSD has benefitted immensely from the CyberLock system. Due to the fact that the CyberLock system allows key holders to carry one key to access various locks, the district has significantly decreased the overall number of keys they use. Additionally, they will never need to re-key the entire district again. The CyberAudit software allows the district to schedule access permissions to specific locks and prohibit access to other locks. The software also allows lost or stolen keys to be labeled as such, thereby revoking their access permissions. Through the software, district management is also able to pull an audit trail that shows which key accessed, or attempted to access, specific locks and the time the access attempt occurred. The audit trail also allows the district to track time and attendance of employees. Finally, RJUSD found that the CyberLock system did not impede daily operations thanks to its ease of use and versatility.

The benefits of the CyberLock system were so apparent that individual school sites throughout the district began using their own budgets to install more locks. RJUSD currently has over 1400 CyberLocks and over a thousand keys in use. The implementation of CyberLock's access control system has decreased lock vandalism by 90% in the district. Over the last decade, RJUSD has slowly replaced some of their original keys with rechargeable CyberKeys. Gruchow stated, "Better security for our kids is the number one priority." With over 10,000 students across several campuses, district security has increased significantly due to the CyberLock system.

# How it Works: A Simple Step-by-Step Process

## Step 1

Replace existing mechanical cylinders with programmed CyberLock cylinders. Each CyberLock is an electronic version of a standard mechanical lock cylinder. Installation is as simple as removing the original cylinder and replacing it with a CyberLock cylinder. Installation requires no wiring nor batteries, making it quick and easy.



## Step 2

Assign a CyberKey to a user. Keys are programmed with access privileges for each user. A standard key holds a list of locks the user may open, with a schedule of days and times when access is allowed. For instance, the key can be programmed to allow access from 8 A.M. to 6 P.M. on weekdays and 10 A.M. to 4 P.M. on Saturdays. It can also be programmed to expire on a specific date or at a specific time for increased security.



## Step 3

Access locks. When a CyberKey meets a CyberLock, the cylinder is energized and an information exchange occurs to determine if the key has access to that specific cylinder. The event and time is stored in both the lock and key. Lock cylinders and keys also record when an unauthorized attempt to open a lock occurred.



## Step 4

Download audit trails and update keys via communicator devices. Expiring keys regularly ensures users frequently update their keys. When validating keys, the system downloads the audit trail and uploads new access privileges to the key. An expired key will not work until it is updated.

## Step 5

View audit trail. The CyberLock system is managed centrally through CyberAudit software. Customized audit reports and automatic notifications on suspicious activities can be automatically generated via email.



CyberLock, Inc. is the leading supplier of key-centric access control systems. It is part of the Videx family of companies with roots dating back to 2000 when the first CyberLock branded electronic locks and smart keys were introduced to the market.

Videx, Inc. has been designing and manufacturing innovative electronics since the company was founded in Corvallis, Oregon in 1979. Early products included display enhancement modules for Apple computers. In 1985, Videx entered the data collection industry with its first portable bar code scanner. Over the years, additional data collectors have been introduced, utilizing touch memory button and RFID tag technologies.

In 2013 CyberLock, Inc. was spun off as an independent company but maintains strong ties to Videx. The two companies continue to collaborate on future innovations.

### **CyberLock, Inc.**

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