



Innovative Solutions
Healthcare Security





Security Challenges in the Healthcare Industry

Healthcare facilities and services face a variety of security challenges. Securing assets, medications and critical data in hospitals is of high priority. Additionally, securing and monitoring the use of narcotics in mobile healthcare services can be challenging. Healthcare services require an access control solution that provides security at all locking points while tracking and controlling access to critical areas.

CyberLock is virtually tailor made for the healthcare industry. The CyberLock system provides access control at all locking points and tracks every access attempt, keeping employees accountable and meeting industry guidelines.



With CyberLock You Can:

- Secure narcotic cabinets
- Protect sensitive lab equipment
- Secure mobile units - Mobile Integrated Healthcare
- Adhere to Federal regulations
- Increase healthcare record accountability
- Secure IT areas - Data server room
- Reduce internal revenue loss and increase accountability by tracking all access activity
- Carry one key that can be programmed to open one lock or all locks in your system

CyberLock Features



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. Perfect for mobile integrated healthcare.



Easy Installation

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



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.



Physical Security

Unlike mechanical locks, CyberLock cylinders have a unique, sealed design that negates standard lock picking techniques. This makes CyberLock the ideal solution for high security applications, including access points at critical data storage areas.



System Integration

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

Clark County Fire Department



As the largest fire department in the State of Nevada, Clark County provides emergency services to an area encompassing 7,910 square miles that includes the Las Vegas Strip and neighboring resort townships. They run a dual medical response system that incorporates their fire department and private ambulance companies operating under franchise agreements.

Challenge: Management of Class 2 Narcotics

The State of Nevada mandates that all fire departments and private ambulance companies that run EMS calls must be under the oversight of an independent Medical Director and a QA Director. Dr. Dale Carrison, Emergency Medicine Physician at University Medical Center, oversees the medical direction of Clark County Fire Department. QA Director, Jo Ellen Hannom, RN, is instrumental in the physical tracking and coding of drugs as they arrive directly from the manufacturer. Jeff Reagor, Clark County EMS Supervisor, states, "Our controlled substances are obtained under Dr. Carrison's license so it's imperative we provide accountability for the drugs we use. We needed to know when our narcotic safes were being accessed and by whom."

Solution: CyberLock

After researching available options, Clark County F.D. chose the CyberLock system for tracking their narcotics. Since May of 2008, they have installed CyberLocks on 25 narcotic safes in the fire stations themselves and 46 on rescue vehicle narcotic safes. Reagor shares, "The CyberLock system has been very easy for us to manage. Each time we get a new rescue vehicle, our division mechanics install a narcotic safe and the CyberLock cylinder in a matter of minutes."

The CyberLock system's electronic locks and keys record openings and unauthorized attempts to open their narcotic safes. The audit report allows the department to confirm that the responsible person is taking inventory, checking drug expiration dates, and ensuring that the drugs have not been tampered with. Each narcotic safe has to be inventoried daily, in the morning during shift-change. If a safe has been opened any other time of the day, it must correspond with an emergency call.

Reagor states, "CyberLock has worked very well for Clark County. The accountability the system provides is extremely important to us. The department is very pleased with how CyberLock has helped us in the regulation and management of our Class 2 narcotics."

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 neither wiring nor batteries, making it quick and easy.



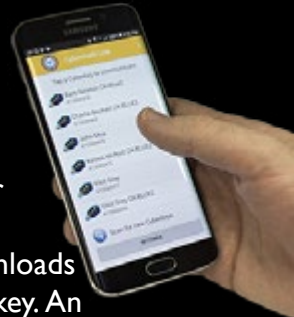
Step 2

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 during an employee's shift and deny access outside of the scheduled shift. It can also be programmed to expire on a specific date 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 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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