CyberLock®

Innovative Solutions
Retirement Community Security

CyberLock®

Security Challenges for Retirement Communities

Retirement communities face a variety of security challenges. Ensuring the safety and security of residents is critical. Additionally, securing and controlling access to medication and medical records is important for both resident safety as well as staff liability. HIPAA regulations require healthcare facilities to secure resident data and provide proof that the data is secure. With a large amount of turnover in both residents and staff, standard mechanical locks and keys can become problematic. Issuing several keys to both staff and residents can become confusing and the security of the facility can easily be jeopardized. CyberLock is virtually tailor made for retirement communities. It offers security at every locking point without hardwiring. Additionally, CyberKey smart keys are designed with electronic access codes allowing a user to carry a single key that can access one, several, or all the locks in the system.

With CyberLock You Can:

- Reduce liability & increase accountability
- Reduce installation costs
- Customize access schedules for both employees and residents
- Control access to restricted areas, even padlocked gates or cabinet drawers
- Track access attempts with detailed audit reports
- Integrate your existing hardwired system using CyberLock Flex to have ultimate access control over all locking points

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 facilities to use both hardwired and wireless access control solutions.

CyberLock® Flex System®

The Flex System enhances the CyberLock product line by adding the capability to control a variety of access control and security elements using both Flex System modules as well as third-party access devices:

Open a door | Activate a light | Sound an alarm | Activate a camera

How does Flex work?

The Flex System is comprised of a variety of modules that can be mixed and matched to create a custom access control system. The modules are plugged into a Hub which has a network connection to the CyberAudit-Web management software.

The Flex System Hub

The Flex System Hub connects with CyberAudit-Web software and provides power to the Flex System modules. Embedded memory in the Hub stores access permissions and saves audit trail information, enabling continuous operation even when a network connection to the software is interrupted. Moreover, power outages can be mitigated by connecting a backup battery or auxiliary power source directly to the Hub.

The Flex System Modules

There are a variety of Flex System modules available for a customized access control system:

- Input modules such as RFID readers and Keypad Displays can be used individually or combined for dual-credential door access.
- Weather resistant key vault modules can be installed in the field to securely store CyberKeys for convenient remote employee access.
- The multi-function Keyport module simultaneously activates electric door strikes and updates CyberKeys.

The Flex System Door & I/O Module

The Door & I/O module expands the capabilities of the Flex System even further. As a door controller, it provides power to an electric door strike and unlocks it when an approved key card is presented. It has additional inputs and outputs that can control relay devices such as alarms, speakers, cameras, or sensors. Finally, it can connect to compatible third-party Wiegand devices such as HID readers and biometric scanners.

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

Step 1

Replace existing mechanical cylinders or padlocks with a programmed CyberLock cylinder. 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 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 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®

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.

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