CyberLock®

Innovative Solutions
Airport Security

CyberLock®

Security Challenges in Airports

Airports face a variety of security challenges. Securing access points both in the terminal and at remote locations can be problematic. Airports require a system that ensures critical assets are secured and unauthorized personnel cannot enter restricted areas. Additionally, airports must also maintain security while managing access for a variety of contractors and vendors throughout the facility.

CyberLock is virtually tailor made for airport security. With CyberLock, airports can track and control every access attempt throughout the facility, even at perimeter gates.

With CyberLock You Can:

- Secure remote areas: perimeter fences, manual vehicle gates, baggage, FBO's with no hard-wiring
- Meet TSA security regulations for AOA's
- 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 employees, vendors, police staff, and general public
- Carry one key that can be programmed to open one, several or all locks in your system

CyberLock Features

Remote Access Control

CyberKey smart keys provide all the power to the lock cylinder; therefore there is no need for hard-wiring, making CyberLock the ideal solution for remote locations.

System Integration

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

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.

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.

Never Re-key Again

When a key is lost or stolen, CyberLock cylinders can be programmed to deny access to the missing key. CyberLock employs unique access codes that 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

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

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.

When an airport ensures they are meeting regulatory requirements for access points like manual vehicle gates, it becomes critical for them to find a high security solution that can be integrated into existing card reader hardware. With dozens of miles of AOA restricted fence line, any hard-wired system would not be cost-effective.

The CyberLock system is the only access control solution that offers both hard-wired and key-centric technologies within one software package. With the Flex, an airport can keep their existing card reader hardware, while also securing hundreds of remote access points with CyberLock padlocks.

One security administrator at an international airport in the southern US gave 251 maintenance workers, police, firefighters, guards and FAA employees CyberKeys with short expirations. This gave them increased key control by requiring employees to update their keys often. This also added an additional layer of theft prevention by utilizing short access permissions to make it difficult for keys to be passed around to employees who should not have access to restricted areas.

Airport Security Administrators now have the ability to view reports that show who accessed specific vehicle gates and remote areas, keeping them compliant with TSA regulatory requirements. The CyberLock system provides this ability without having to change the access control system they already have in place and without hard-wiring miles of remote access points, saving a great deal of time and money.

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 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®

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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