



Cencon[®] ATM Cash Vault Security System

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dormakaba 

Cencon®

ATM Cash Vault Security System

The Challenge

The unique challenge of securing ATM cash vaults characteristically requires shared access among several companies. This typically consists of the parties responsible for replenishing cash and pulling deposits, as well as those providing 1st or 2nd line maintenance. Additionally, for ATMs located at the bank as opposed to off-premises, branch employees may require entry to the vault during certain hours. Some companies may still have their service personnel access the ATM vault by sharing the same lock combination. Bank employees, cash replenishers, technical service reps, repair personnel all know the one combination that opens an ATM safe typically holding tens of thousands of dollars in cash!

This type of archaic locking method with no accountability or access control equals serious temptation even for the most honest of employees.

The Solution

The Cencon ATM Cash Vault Security System from dormakaba was designed to combat insider theft from ATMs through the combined use of lock hardware, systems software, and Smart Keys. Cencon offers total access control and accountability with its One Time Combination (OTC) feature. The OTC is dispatched from the software and can only be used by that particular key for that lock's next opening, thus eliminating temptation. Unique software allows you to control and monitor tens, hundreds, even thousands of locks and users located anywhere in the world — from one central location. Cencon is the leading cost-effective solution for today's most serious security challenges.



Dead Bolt

Swing Bolt

Dual Token Access Control

A user needs both a combination and a Smart Key to access the lock.

One Time Combination

A One Time Combination (OTC) is dispatched each time access is required to open a Cencon lock in either of the OTC modes (FLM or Route mode).

Smart Key

Encrypted electronic keys are used as personal identifiers to open a lock (blue F, yellow R, green B), log in to the software (black D, S, SS), or as a device to activate or audit a lock (red SA).

Close Seal

The close seal acts as an electronic signature, stamping the date and time in the lock and key's memory and allowing the software to remotely know the lock status in the two OTC modes.

3 Alarm Compatible

Each Cencon comes standard with the capability to connect to an existing alarm system to (1) monitor the position of the lock bolt and (2) send a silent

duress signal by adding 10 to the combination when the user needs to open the lock at gunpoint. The lock also offers the optional shunt alarm (3) to deactivate the alarm when a correct combination and associated Smart Key are presented.

Audit Trail

The Cencon lock records all lock activity, a maximum of 1,000 events in some situations, and permits easy downloading of the information via a Smart Key for generating detailed audit reports.

Additional Security Options

Each group of lock or software access users can be configured with individual time window restrictions, including the dual-mode requirement to provide two-person integrity, or a software grouping method to prevent certain users from accessing certain locks.

Easy Retrofit

Cencon locks have the same footprint as conventional mechanical combination locks, making the retrofit process simple and inexpensive.

PowerStar® Technology

Use of an internal generator creates all the necessary power for the lock. No batteries or external wiring are required to operate the lock. Optional line power available if using Cencon O2

User Friendly Software

Cencon software allows access control to all containers with no special wiring. The minimum requirements of Microsoft® SQL Server interface and Windows® OS (at least Windows® 7 or higher operating system), make it simple to install and use on a stand-alone PC, a local area network (LAN) or wide area network (WAN).

Technical Support

Our Technical Support Staff is available 8 am to 8 pm EST, Monday through Friday (with extended hours available by appointment), to assist you in resolving hardware or software related issues.



Cencon® Innovations: Shared Access

Cencon locks can operate individually or in any combination of these three modes — one for the First Line Maintenance personnel (FLM Mode), one for cash replenisher or armored service (Route Mode), and one for bank branch employees (Bank Mode). Each mode addresses the individual access needs for each category of user.

FLM MODE

Key + OTC
(One Time Combination)
Use Cencon 5 Software
(CenTran optional)



ROUTE MODE

Key + OTC
(One Time Combination)
Use Cencon 5 Software
(CenTran optional)



BANK MODE

Key + RAC
(Repeatable Access Code)
Use Cencon 5 Software



Designed for First Line Maintenance personnel, the FLM mode of the Cencon lock permits the dispatch center to give an OTC to a technician "on the fly." FLM personnel are issued a blue Smart Key, then call their dispatch center to request an OTC. Once used, this combination will not function again, thus insuring absolute access control. Once the Cencon unit is locked, a close seal code is displayed on the lock's LCD and, when entered into the dispatch center's computer, assures that the Cencon is locked and secure.

While permitting the same access control as FLM Mode, Route Mode additionally allows pre-defined routes for armored cash replenishers. Route personnel are each issued a yellow Smart Key. A route of locks may be assigned, permitting route personnel to access a series of locks without contacting their dispatch center between each opening. Route personnel can either call their dispatch center at the end of the shift to report the close seals, or the close seals can be read from the key by the Cencon software.

Bank Mode is designed for bank personnel who may need access to the Cencon lock but do not wish to operate through a dispatch center. Green Smart Keys and combinations are issued to bank personnel who may unlock the Cencon lock at any time within that user's access schedule. An internal audit trail tracks all activity of bank personnel just as it does for FLM and Route personnel. Kaba Mas Cencon 5 software permits bank administrators to manage Bank Mode on site. Bank users may be added or deleted and audit trails may be downloaded from the lock.

Cencon®

Dead Bolt Specifications



Product Specifications

Access Control

- User Authentication: Combination + Smart Key
- Operating Modes: Three Modes (FLM, Route and Bank)
- Single or Dual User Access: For any of the three modes
- Factory (Shelved) Mode: 50-25-50 or changeable by user
- One Time Combination: For FLM & Route Mode
- User-Defined Combinations: For Bank Mode users
- Wrong Combo Penalty: After five incorrect attempts
- Central Control: With Cencon 5 software

Audit Trail:

- Lock: Can achieve more than 1,000 events
- Key: Up to 32 events
- Software: Unlimited events
- Time Windows: by User Optional
- Time Delay: 1-99 minutes, Bank mode only
- Number of Users: Unlimited for FLM & Route mode, 100 per lock for Bank mode

Alarm Interface

- Silent Duress Alarm: Standard – combination +10
- Bolt Status: Standard
- Alarm Shunt: Optional

Agency Approvals/Certificates

- U.L. – Type 1 (USA)
- U.L.C. – Type 1 (Canada)
- VdS – Class 2 (Germany)
- ECB•S/EN1300 – Class B (Europe)
- A2P / CNPP – Class B/E (France)
- SBSC – High Security (Sweden)

Electrical Specifications

- Power: PowerStar Technology
Self-generated with internal generator
- Alarm Interface: Optional 9-pin din, three NO/NC outputs
- Door Contact: 4-pin connector to hook up door contact switch, remote disable
- Serial Communications: Port 10-pin serial port allows for remote operations directly connected to a Cencon PC (audit, activate, shelve, etc.). Option to connect to ATM PC via Interconnect Box available January 2014
- Smart Key: 1K-bit to 64K-bit read-write memory, some with timeclock, multi-stage encrypted, internal 10-year lithium battery, mounted in a stainless steel case

Mechanical Specifications

Input Unit

- Keypad: 12-button sealed with tactile feedback
- Key Reader: Accepts Cencon Smart Keys
- Display: 3-character LCD (with audible beep)

Lock Case

- Dead bolt die cast
- Bolt with three thread options (see price book)
- Bolt travel: 8.7 mm

Cencon KD (Keypad Down) Dial & Keypad

4.78" H x 3.95" W x 1.38" D

Lock Case:
2.40" H x 3.35" W x 1.22" D



Cencon KU (Keypad Up) Dial & Keypad

3.79" H x 3.83" W x 1.38" D

Lock Case:
2.40" H x 3.35" W x 1.22" D



Swing Bolt Specifications



Product Specifications

Access Control

- User Authentication: Combination + Smart Key
- Operating Modes: Three Modes (FLM, Route and Bank)
- Single or Dual User Access: For any of the three modes
- Factory (Shelved) Mode: 50-25-50 or changeable by user
- One Time Combination: For FLM & Route Mode
- User-Defined Combinations: For Bank Mode users
- Wrong Combo Penalty: After five incorrect attempts
- Central Control: With Cencon 5 software

Audit Trail

- Lock: Can achieve more than 1,000 events
- Key: Up to 32 events
- Software: Unlimited events
- Time Windows by User: Optional
- Time Delay: 1-99 minutes, Bank mode only
- Number of Users: Unlimited for FLM & Route mode, 100 per lock for Bank mode

Alarm Interface (Requires Interconnect Box)

- Silent Duress Alarm: Combination +10
- Bolt Status
- Alarm Shunt

Agency Approvals/Certificates

- U.L. – Type 1 (USA)
- U.L.C. – Type 1 (Canada)
- VdS – Class 2 (Germany)
- ECB•S/EN1300 – Class B (Europe)
- A2P / CNPP – Class B/E (France)
- SBSC – High Security (Sweden)

Electrical Specifications

- Power: PowerStar Technology
Self-generated with internal generator
- Alarm Interface: Optional 9-pin din, three NO/NC outputs (Requires Interconnect Box)
- Door Contact: 4-pin connector to hook up door contact switch, remote disable (Requires Interconnect Box)
- USB Communications Port: Located in Interconnect Box, USB port allows for remote operations directly connected to an ATM PC (Requires Interconnect Box)
- Smart Key: 1K-bit to 64K-bit read-write memory, some with time-clock, multi-stage encrypted, internal 10-year lithium battery, mounted in a stainless steel case

Mechanical Specifications

Input Unit

- Keypad: 12-button sealed with tactile feedback
- Key Reader: Accepts Cencon Smart Keys
- Display: 3-character LCD (with audible beep)

Lock Case

- Swing bolt die cast
- Bolt travel: into lock case

Keypad Dimensions

- 5.14" H X 3.83" W x 1.43" D

Lock Dimensions

- 2.40" H X 3.33" W x 0.91" D

Interconnect Box Dimensions

- 4.40" H X 2.40" W x 0.67" D



