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KABA®

X-09™ & CDX-09™ High Security Locks



In the relatively brief time since our founding, Kaba Mas has become an international leader in electronic locking devices and systems. Technological innovation has been the fuel that has powered our rapid growth. We are committed to analyzing market needs in order to create locking systems that anticipate and defeat potential security threats.

X-09™

Meets FF-L-2740A
Because it meets the United States Government's stringent FF-L-2740A specification, the X-09 high security electromechanical lock is approved by the GSA (General Services Administration) for use on approved Class 5 and Class 6 filing cabinets and Class 5 and Class 8 Security vault doors.

The X-09 is self-powered using Kaba Mas' exclusive PowerStar™ technology (an internal self-activating power plant). This eliminates the threat of compromise of external power sources or internal batteries. Rotating the dial in either direction provides all the power necessary to enter the combination and review audit features.



The X-09 boasts a limited-view LCD display preventing detection of entry codes or dial position. Additionally, the tamper-resistant X-09 can not be "hacked" because the digital information is hidden in the processor's non-volatile memory.

Representing a giant step forward in high security locking technology, the X-09 features multiple modes of user access with audit capabilities. These user-friendly locks provide the high level of security and maintenance-free operation.

National Stock Number (NSN)
5340-01-498-2758
X-09 Combination Lock for GSA approved security containers and GSA approved vault doors.

X-09™ FEATURES

Three Modes of Operation
Choose your level of operation. The Single Combination Mode allows access by dialing a six-digit combination. The Dual Combination Mode allows access only when two separate codes are entered within 40 seconds of one another. The Supervisory/Subordinate Mode allows access by a subordinate's code only after a supervisor's code has been entered.

Audit Feature
The X-09 has a full complement of auditing features, including a non-resettable record of openings and an unsuccessful attempts record (audits after 3 unsuccessful attempts) that resets once the proper access code is entered.

PowerStar™ Technology
The X-09 features our patented PowerStar™ technology which generates its own electrical energy with each rotation of the dial. This exclusive self-powered technology is highly reliable and independent of vulnerable external power sources or internal batteries.

X-09™ Specifications

HARDWARE SPECIFICATIONS

- **Power:** Internal, self-powered by PowerStar™ technology.

Combinations: 3 modes:

- **Single:** 1 million combinations
- **Dual:** 500 billion combinations
- **Supervisor/Subordinate:** 2 million combinations

- **Direct Dial:** No need to clear before entering combination. Once you stop turning the dial, the power will shut down after 40 seconds.
- **Dead Zones:** None
- **Memory:** Non-volatile
- **LCD:** Limited View Liquid Crystal Display with indicator arrows makes dialing easy and exact.
- **Combination Changes:** (LCD indicator in change key mode). Combination changed with correct combination or serial number.
- **Random Number View:** True Scramble
- **Daylocking:** No
- **Back Dialing:** No
- **Lock Reset:** Automatic when bolt is thrown or 40 seconds after turning has stopped.
- **Manipulation:** Fail secure against high-voltage attack, robot attack, X-ray methods, magnetic, vibration, and R/F.
- **Audit:** The X-09 records all openings, and the record is non-resettable. The X-09 records unsuccessful attempts after 3 incorrect combination attempts and resets after a correct opening.
- **Wrong Try Penalty:** 10-14 errors results in a 3 minute time out. 15 errors or greater results in a 4 minute time out. Both error count and penalty time resets with valid combination.

- **Back Cover:** Lock On Back Cover pin prevents removing the back cover without the combination.

ENVIRONMENTAL PERFORMANCE

- **Temperature:** Tested -10°F to 155°F Operational Range.
- **Salt Spray:** Operational After 72 hours of continuous exposure (per ASTM B117-90).
- **High R.P.M.:** Not operational after 4 hours in each direction @ 600R.P.M. Fails Secure.
- **Cycle Test:** Meets or exceeds FF-L-2740A specifications.
- **Humidity:** Operational after 10 days of 140°F @ 98% humidity (Operational after 10 days testing per MIL-STD-810E, Method 507.3, Procedure III, Temperature Cycling 86°F to 140°F @ 98% RH)
- **Stress:** Operational after 7 days in a stress chamber @ 194°F. Meets FF-L-2740A specification.
- **Vibration:** MIL-STD-810
- **Shock:** MIL-STD-901
- **Electrical Discharge:** 250KV on Dial
- **Electromagnetic Pulse:** Meets FF-L-2740A specification for simulation of high altitude nuclear blast.
- **Case & Bolt Strength:** 600 pounds in two directions.

IMPORTANT NOTE:

Department of Defense and Agencies - Inquiries please contact:

Naval Facilities Engineering Service Center, Security Engineering Division, DoD Lock Program, 1100 23RD Avenue, Port Hueneme, CA 93043-4370. **Phone:** (805) 982-1212 | https://portal.navfac.navy.mil/go/locks

Additional Applications - CDX-09™

We've integrated the X-09 with a rim deadbolt platform to represent a unique and complete high security door lock solution while complying with most life safety requirements. Along with the X-09, the combination door lock unit is added to form the CDX-09 which allows you to have access control on any door. The CDX-09 conforms to FF-L-2890.



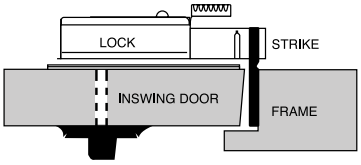


National Stock Number (NSN)

5340-01-498-2759 - CDX-09 Combination Deadbolt lock for pedestrian doors with **non drill-resistant** dial ring mounting plate.

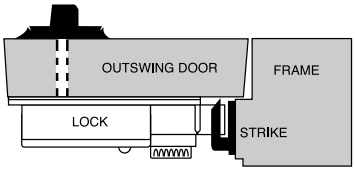
5340-01-492-2760 - CDX-09 Combination Deadbolt lock for pedestrian doors with **drill-resistant** dial ring mounting plate.

Strikes



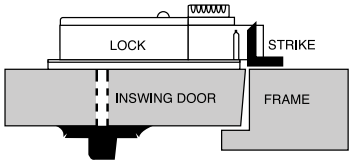


Type 1: Part# 114003



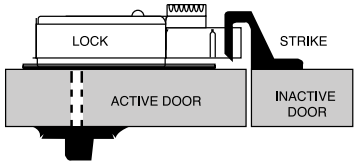


Type 2: Part# 114004





Type 3: Part# 114005





Type 9: Part# 114006

Dial Ring Mounting Plates



Drill Resistant: Part# 114014



Non Drill-Resistant: Part# 114024



The Kaba Safe Lock Division relies on product innovation to meet our markets' ever-changing needs for loss prevention and access control solutions.

The Kaba and LA GARD brands are synonymous worldwide with security, control and accountability.

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