



X-10

High Security Electronic Locks

The Kaba Mas X-10 is the trusted choice for securing the Australian, New Zealand and US Government's most sensitive material.

The X-10 is the only SCEC approved self-powered lock that features intuitive backlit display and audit trail, providing the highest in; security, user experience and efficiency.

Security; Full complement of audit features

The X-10 records all successful openings and the record is not resettable. The X-10 also records and notifies the user of unsuccessful attempts after 3 failed attempts. This feature enables the custodian to identify if there has been an attempted breach of their container.

User experience; simple, stress free combination changes

The X-10 lock's digital visual control minimises the risk of scrambled combinations that are typically associated with analogue type dials. The X-10 provides accurate and stress free combination changes by guiding the user through the procedure whilst securely providing

the user with a visual confirmation of their newly set combination during the code changing operation.

Efficiency; battery and maintenance free

The X-10 uses "Green" self-powered technology – simply rotate the dial to power-up the lock. This proprietary "PowerStar" technology eliminates the possibility of an unexpected battery failure and removes any battery servicing requirements. With its patented self-powered technology, adopting the X-10 means you will never have to replace a battery again.

These unique features plus the added 2-year factory warranty enable you to deploy the X-10 high security lock with confidence, whilst ensuring maximum return on your investment.

Advantages at a glance:

- SCEC; A, B and B+ approved
- Audit trail
- Self-powered
- Battery free
- Backlit LCD for visual control
- Direct dialling (no need to count turns)
- Multiple modes (Single, Dual & Sup/Sub)
- Simple intuitive user operation
- Retrofitting kit & accessories for most applications

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Specifications

Hardware Specifications	
Power	Internal, self-powered by "Green" rotational electromechanical 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
Memory	Non-volatile
LCD (Backlit)	Limited View Backlit Liquid Crystal Display with visual controls makes dialing easy and exact
Combination Changes	LCD indicator in change key mode, combination changed with correct combination or serial number
Randon Munber View	True Scramble
Day Locking	No
Back Dialing	No
Lock Reset	Automatic when bolt is thrown or 40 seconds after turning has stopped
Manipulation	Fail secure against highvoltage attack, robot attack, X-ray methods, magnetic, vibration, and R/F
Audit	The X-10 records all openings, and the record is non-resettable The X-10 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
Environmental Performance (Per FF-L-2740B)	
Temperature	Tested -23°C to 68°C operational range
Salt Spray	Operational After 72 hours of continuous exposure (per UL 768 Salt Spray Conversion Test)
Cycle Test	Meets or exceeds FF-L-2740B specifications
Humidity	Operational after 10 days of 60°C @ 98% humidity (operational after 10 days testing per MIL-STD-810E, method 507.3, Procedure III, Temperature Cycling 86°F to 60°C @ 98% RH)
Stress	Operational after 7 days in a stress chamber @ 90°C (per UL 68 Aging Stress Distortion Test)
Vibration Shock	MIL-STD-810 MIL-STD-901
Electrical Discharge	250KV on dial
Electromagnetic Pulse	Meets FF-L-2740B specification for simulation of high altitude nuclear blast
Case and Bolt Strength	600lb (272.2kg) in two directions

Applications:

- Restricted for use only on SCEC approved containers within;
- Australian Government Agencies
 - Australian Government Departments
 - Australian Department of Defence



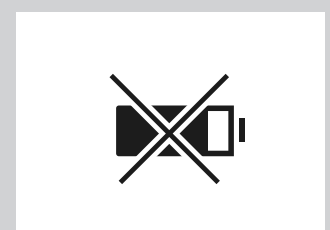
X-10



CDX-10 Lock



LCD & Audit Features



Battery Free