

Ilco 79 Series locks RezShield™ software

Access Control Systems for Multihousing





The perfect combination of simplicity and security

When it comes to residents' needs, especially those living in garden style, independent, and senior-living facilities, developers and property managers recognize that a complex's amenities and services are equally important as a well-designed unit. Today's residents want comfort, including common areas for building a sense of community and diverse activities to suit individual lifestyle choices. Every amenity, every convenience are selling propositions and that includes security and access control. Kaba's RezShield system blends easy-to-use software and industry-proven, robust RFID hardware into one package. With this system, properties can streamline operations and increase safety while gaining centralized auditing and enhanced reporting; it's the perfect combination of simplicity and security.

Features and benefits

- User-friendly, intuitive solution simplifies integration with other building systems
- Reduces material and labor costs associated with rekeying
- Standard connectivity (Ethernet LAN – TCP/IP) makes it easy to network with existing compatible systems programming functions
- Easily rekeys resident and employee credentials
- RFID key credentials available in three format options with a variety of colors and memory size for different applications
- Time-based access control system includes user-selectable keycard application
- High security key encryption, which is proprietary and unique to each installation
- Eight (8) authority levels to control system usage
- Extensive reporting capabilities with a complete system audit trail
- Audit memory stores the last 2,000 events in the lock, including the use of optional manual key override
- Eleven (11) lock-access levels for greater key control



Simple tap and turn operation with a contactless system



Using the latest in contactless RFID read-write technology, Ilco 79 Series locks enable residents to present either a keycard, FOB, or wristband credential in front of the reader in order to operate the lock. With a contactless system, there is virtually no contact between the lock and the credential, making it especially useful for residents with limited mobility and dexterity. In addition, 79 Series locks include operation with Kaba Mobile Access Solutions as Bluetooth Low Energy (BLE), allowing residents to use their smart device as a credential. And, since this system has a system-based protocol vs

pairing, property management retains control for issuing keys.

Each 79 lock maintains an audit trail for greater accountability, including the ability to monitor staff movements throughout the property by auditing keycard use history. Staff keycards also carry information about the lock, such as low batteries. This data helps with preventative maintenance, allowing property managers to respond proactively. Electronics and batteries are located in the front lock housing, so staff can perform maintenance without disturbing residents or needing to enter apartments. And, its robust, tamper-resistant design features a sealed reader and conceals any previous deadbolt cutouts. 79 Series locks are programmed in three different modes:

- **Standard (79M)**—electronically re-locks after each use;
- **Toggle (79T)**—locked or unlocked from outside by a credential or from the inside with the thumbturn, preventing lockouts;
- **Storeroom (79L)**—there is no deadbolt, no thumbturn, always locked.

Quality engineering

- All-metal, heavy-duty locksets
- One-inch solid metal deadbolt for added protection and privacy (optional automatic deadbolt)
- Infrared communications link for programming and auditing
- Lock finishes include Satin Chrome, Satin Brass, Bright Brass, Bright Chrome, Ultra Satin Chrome, Oil-rubbed Bronze, and Satin Nickel
- Mortise, cylindrical, exit device, and remote access controller available
- Standard mechanical key override
- Drainage system designed to prevent internal build-up of condensation

Compliance and certification

- ADA-compliant levers
- RoHS and Shabbat compliant
- Meets UL 10C and UL S-104 up to and including three hours on fire-rated doors
- Florida building code approved (FL 13061)
- Certified to ANSI/BHMA A156.13 mortise locks (Grade 1) and A156.25 electrified locks (Grade 1)
- Electronics compliant to FCC part 15 Class A and CE directive 89/336/EEC

Worry-free maintenance

- Operates with three standard AA batteries in the front housing, providing a battery life of 120,000 door openings (two to three years)
- Low battery indicator alerts staff that batteries need to be changed
- Lock programming and audit are not erased during battery replacement

RezShield software

Designed for multihousing developers, owners, and property managers, RezShield software is a web-based solution that manages keys, simplifies operations, and increases security while providing centralized auditing and enhanced reporting capabilities. The user-friendly software integrates into any facility IT infrastructure and provides properties with a state-of-the-art, cost-effective method to control access and collect data.

RezShield software is the tool administrators use to enter information and encode a credential for either a resident or staff member. And, programming the credential is easy—the administrator simply enters the resident information; assigns a key, unit, and amenities to the resident, then encodes either a wristband, FOB, or keycard. When a resident presents their credential in front of the lock's reader, it functions just like a traditional key, providing secure access to rooms.

The credential contains a unique, encrypted code, which authorizes access to either a resident or staff member. Administrators can customize credentials to provide access to other amenities, such as an exercise room, parking, etc. The system's flexibility enables residents to carry just one credential when gaining access to all the property's features in addition to their own unit. If a resident uses a new credential at the lock, the system cancels all previous resident-level credentials for that lock. This provides a high level of security, equivalent to re-keying the lock for every resident. In addition, the system audits every use of the RezShield PC or lock access event. Authorized software users must enter a valid password to make or read a keycard, which becomes part of the audit trail and reveals the date and time, user's identity, and the user's operations.



Ilco 79 Series Lock

FOBs



Wristbands



Contactless encoder



Keycards

RFID Keycards, FOBs, and wristbands

RFID credentials are fast becoming the choice for multihousing property managers and owners seeking to enhance resident convenience while reducing operating costs. These credentials are available in three styles: keycards, FOBs, and wristbands.

MIFARE Classic Mini, 1K, and 4K credentials common features

- Compatible with existing MIFARE infrastructures
- Operates at 13.56 MHz in accordance with ISO 14443A
- Separated secure sectors support multi-manufacturer's usage of one credential

MIFARE Mini for resident keycards (six variable keys)

- Tailored to applications that require only small memory size, such as resident access control
- A cost-effective solution for contactless smart resident keycards; MIFARE Mini offers the same security features and file structure as the MIFARE 1K Standard but without the available memory for card audit trail

MIFARE 1K Standard for staff or resident keycards

- Features 1K EEPROM read/write memory, which is perfect for staff keycards as they hold up to 70 log records and/or variable keys

MIFARE 4K Standard for lock audit keycards and staff keycards

- Features 4K EEPROM read/write memory. Holds up to 400 log records and/or variable keys.
- Can be used to download audit trail information from locks or to store staff movement audit trail

Additional Kaba products

Keyscan access control system

Kaba's Keyscan access control system controls and monitors entry points, including doors, elevator floors, parking gates, or garage doors. Designed to be network compatible, a Keyscan system integrates seamlessly with existing network infrastructures, providing flexible design options. With a Keyscan system, off-site users gain added flexibility; users can remotely connect a Keyscan system over the Internet using an optional WEB Client application. In addition, users can:

- Enforce a facility or area lockdown from any PC, Keyscan reader, or dedicated key switch
- Integrate motion detectors, glass break sensors, door contacts, panic buttons for monitoring alarm conditions from a single interface
- Call up live video in the event of an alarm (when integrated with a Keyscan compatible CCTV system)
- Arm or disarm an intrusion panel via the access control system
- Trigger a wide range of devices, such as sirens or strobes
- Create maps with active icons to annunciate system status, control doors, call up video, show employee photos, and more



Keyscan access control system



Ilco remote access controller



Exit device operator

Remote access controllers

Remote Access Controllers (RACs) are contactless, read-write readers that regulate access to restricted areas and accommodate areas where it is impractical to mount standard electronic door locks. RACs operate at remote access points, such as elevators, parking entrances, outdoor swimming pool, or any other access points requiring an electric strike or electro-magnetic lock.

Exit device operators

Kaba Exit Device Operators allow exit doors equipped with panic devices to act as controlled entrances. They offer the same design and security features as door locks, ensuring that the property's design remains uniform. Exit device operators provide residents with convenient and secure access to remote parts of a property, including parking lots or stairwell doors.







Door
Hardware



Electronic
Access & Data



Mechanical
Key Systems



Lodging
Systems



Entrance
Systems



Safe
Locks



Service

Our Sustainability Commitment

We are committed to fostering sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations.

Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impacts through its entire life cycle, dormakaba provides Environmental Product Declarations (EPDs), in which the results of the life cycle assessment (LCA) are presented.

The full EPD is available for download at

<https://www.dormakabagroup.com/en/sustainability/product-declarations>.

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