

SEPTEMBER 2018



**RETROLCK<sup>®</sup>**  
Door Hardware + Access Control Systems

**MULTI-FAMILY  
HOUSING SOLUTIONS**  
CONVENIENT SECURITY

# INTRODUCTION

**W**hen your residents move-in to your property you want them to feel at home. Their key fob or phone should operate every door, elevator, and even parking gate. Legacy keys are a thing of the past, as they are insecure & costly. Electronic access control enables a fully secure building while allowing the best cleaning, dog walking, and delivery services to all the residents without added burdens to management for making keys.

From the first instance a prospective resident self-tours the property via short term user code, to when the resident's service request is scheduled & tracked in their mobile app, then performed by the maintenance technician via mobile credentials, every interaction with the property is modern and seamless, increasing the client experience and showcasing the brand.

This system not only supports this seamless access control, but it also is integrated from synchronization with the property management software to the same phone app that unlocks the doors controlling a range of items like thermostats, lights, and music without the burdens of setup by property management or residents.

Retrolock's affiliated companies have been manufacturing locks, electronic locks, components and software for 30 years with proven success for many of the top-line lock brands that exist in today's market. Retrolock is now pleased to introduce RACS, a superior access control system and integrated automation system under its own branding. This cloud-based system provides a holistic solution, offering a platform that covers every access control requirement and integration needed.

Our design is developed as three package groups: A, B, C. These packages allow our systems, costs, and options to fit all types of properties, ranging from basic to extensive platforms.





# RETROLOCK ACCESS CONTROL SYSTEMS



# WHAT IS RACS?

A team has been manufacturing locks, electronic locks, components and software for 30 years with proven success.

**WE LISTENED TO THE MULTI-HOUSING MARKET'S NEEDS!**

Introducing the RACS (access control) system that works with entry locks offline or with BLE so the locks are like online allowing Common Areas, Elevators, Entry Locks, Parking and Lockers to operate under one software system at a much lower cost with online benefits. No more software overlays and extra licensing fees. Short-term user codes allowing a lower cost property movement without an intercom system.



CLOUD | SERVER

# MANAGEMENT SOFTWARE

PC - WEB - MOBILE DEVICES


## RACS SYSTEM OVERVIEW

RACS is a browser/ cloud based hybrid system that integrates online access systems and locks that also work with offline locks. It is as easy to use as it is to maintain.

## RACS SYSTEMS A, B, C PACKAGES

- Cloud-based: Access program through client PC, smart phone [IOS or Android] and tablet [IOS or Android]
- Short-term user codes for common area entry, elevators, lockers for deliveries
- Staff maintenance tracking/reporting
- BLE card readers
- Audit trail of system user activities
- Multi-level hierarchy for system access
- Multiple user access simultaneously
- Password protection for all users
- Database backup automatically or manual
- Integration with other databases (Property Management Systems, Access Control Systems, HR software)
- 128 bit AES encryption
- Manage up to 65,000 on-line controllers, wireless locks and off-line locks
- 24 hrs. service line
- National service and support
- Vendor room access tracking option
- Light, climate, other and more





**Cylindrical,  
Interconnect, &  
Auto-Deadbolt  
Locks**



# COMMON AREAS/ BACK OF THE HOUSE

RLME100 - Offline

RLME200 - Online (WiFi or BLE)



## CUSTOMIZATION OPTIONS



## ELECTRONIC SPECIFICATIONS

- Online or offline wireless motorized MIFARE RFID and key pad cylindrical lock
- Compatible with RACS® access control system
- MIFARE 13.56MHz RFID keycard
- 12-key touch keypad
- 3,000 audit trail capacity
- Powered by 4 AA batteries
- Code length: 4 to 10 digits (variable)
- Code capacity: 99
- Keycard capacity: 300
- Peel-and-Stick MIFARE RFID sticker available

## MECHANICAL SPECIFICATIONS

- Heavy duty cylindrical lock
- Handed, easily field reversible
- Door thickness: 1¾" - 2"
- 2¾" backset standard, 5" optional
- Self-adjustable latch bolt, stainless steel, ½" throw
- Cast zinc lever, available in "S", "Q", "G", type
- 6 pin brass cylinder standard, Schlage® "C" keyway
- SFIC 6 or 7 pin core available, Best® "A" keyway standard
- High security cylinder available
- Available finishes: 626/US26D, 613/US10B
- 10-year Manufacturer's Limited Warranty on mechanical, and 2-year limited on electronic, no warranty offered on 613 finish
- Code Compliance:
  - UL 10C 3-Hour Rated
  - Meet BHMA A156.12 - 2011 Grade 1
  - Meet BHMA A156.25
  - Meet FCC Part 15
  - Meet American with Disabilities Act



# UNIT ENTRY

**RLW100 - Offline**

**RLW200 - Online (WiFi or BLE)**

Interconnect Lock: RFID card reader reads SmartCard and Smartphone with BLE. Provides audit trail, timed access for visitors, employees and maintenance. Allows tenant to throw deadbolt when leaving without presenting credentials.



**Q LEVER-**  
With Key  
Cylinder Option

## ELECTRONIC SPECIFICATIONS

- Online or offline lock, programmable at the lock
- 3,000 audit trail capacity
- Built-in card reader
- Weather resistant design
- Real time controlled by time, day and date
- 99 code and 300 card capacity per lock
- Powered by 4 AA batteries, up to 2-years use battery life in normal conditions
- MIFARE keycard, custom-designed keycard with customer logo available
- 128 bit AES encrypted keycard
- Standard 12-key touch keypad
- Low battery warning

## MECHANICAL SPECIFICATIONS

- Interconnect mechanism on both inside and outside trims
- Single motion egress from inside
- No card, code or mechanical key is required to lock the lock from the outside
- Double-locking feature on latch bolt and deadbolt with single-motion lever movement
- 4 ways to unlock the lock: MIFARE keycard, touch keypad, Smart Phone with BLE/RF, RFID Sticker
- Mechanical key option on "Q" and "N" levers
- 2¾" and 2⅜" backset adjustable
- 4" and 5 ½" CTC available
- ½" latch bolt throw, 1" deadbolt throw
- Independent external spring trim design prevents lever sagging
- High security cylinder/key optional
- Key-in-Lever Cylinder, 6 Pin, Schlage "C" keyway. Master keying available
- Available Lever Style:  
"Q" Lever, "E" Lever, "N" Lever, "NS" Lever  
Custom lever design available upon request
- Code Compliance:  
UL 10C 3-Hour Rated  
Meet BHMA A156.12 - 2011 Grade 1  
Meet BHMA A156.25  
Meet FCC Part 15  
Meet American with Disabilities Act



**E LEVER**  
No Key Cylinder Option







# SMART DEADBOLT

**RLY100 - Offline**

**RLY200 - Online (WiFi or BLE)**



With Key Cylinder - Outside and Inside View

## FEATURES

- Offline smart deadbolt, programmable at the lock or remotely, for residential single and multi-housing facility
- Offers touch keypad, RFID keycard and Peel-and-Stick RFID sticker credentials
- Mechanical key override optional
- Complies with ANSI/BHMA Grade 2 A156.36
- 4 AA batteries
- Available finishes: Bright Brass (605), Bright Chrome (625), Satin Nickel (619), Flat Black (622)

## ELECTRONIC SPECIFICATIONS

- Offline and Online motorized deadbolt
- 5,000 audit trail capacity
- Powered by 4 AA batteries
- 12-key touch keypad
- Code length: 4 to 10 digits (variable)
- Code capacity: 99
- RFID Keycard capacity: 300
- Peel-and-stick RFID sticker available

## MECHANICAL SPECIFICATIONS

- Single cylinder deadbolt
- Standard 161 door prep
- For door thickness 1<sup>3</sup>/<sub>8</sub>" - 1<sup>3</sup>/<sub>4</sub>"
- Mechanical key optional, 2 nickel silver keys
- 1" x 2<sup>1</sup>/<sub>4</sub>" faceplate, plated finish
- 2<sup>3</sup>/<sub>4</sub>" x 1<sup>1</sup>/<sub>8</sub>" strike
- 1" throw deadbolt, anti-saw pins, drive-in latch bolt available
- 2<sup>3</sup>/<sub>8</sub>" and 2<sup>3</sup>/<sub>4</sub>" backset adjustable
- Dummy trim available for inactive leaf of paired door



RLY No Key Cylinder Option





# Mortise Locks



# UNIT ENTRY

**DOM100 - Offline**

**DOM200 - Online (WiFi or BLE)**

Mortise Lock with deadbolt: RFID card reader reads SmartCard and Smartphone with BLE. Provides audit trail, timed access for visitors, employees and maintenance.



Outside View (no cylinder)



Inside View



Key Override Option

## FEATURES

- Automatic Deadbolt Mortise available
- Wireless or offline BLE
- Key cylinder option upon request
- Over 50 lever options available
- Rigid lever; Clutched lever available
- Encrypted RFID credentials
- Vandal resistant RFID reader
- Standard Finishes: Satin Chrome, Flat Black, Bright Chrome - Other finishes available upon request
- Warranty
  - 10 year for mechanical
  - 5 year for finish (no warranty on 613 finish)
  - 2 year for electronic

## ELECTRONIC SPECIFICATIONS

- Application: Unit entrance
- Capacity: 300 card capacity
- Audit Trail: Scalable to 3,000 events
- RFID Reader Color: Black or Gray
- Read Range: approx. ¾"
- Two-year battery life, with low battery warnings
- Standalone or can be integrated into RACS with wireless gateways
- Power: 4 AA alkaline batteries

## MECHANICAL SPECIFICATIONS

- Door Thickness: 1¾" standard
- Backset: 2¾"
- Latch bolt: Stainless Steel, ¾"
- Deadbolt: Stainless Steel; 1" throw
- Mortise cylinder; SFIC available
- UL listed for 3 hour fire rating
- ANSI/BHMA A156.13-2017 Grade 1 Certified
- Comply with ANSI/BHMA A156.25
- FCC Part 15 certified
- Meet Buy American Act
- Meet Americans with Disabilities Act



# UNIT ENTRY

**DOQ100 - Offline**

**DOQ200 - Online (WiFi or BLE)**

Mortise Lock with deadbolt: RFID card reader reads SmartCard and Smartphone with BLE. Provides audit trail, timed access for visitors, employees and maintenance.



Outside View (no cylinder)



Inside View

## FEATURES

- Automatic Deadbolt Mortise available
- Wireless or offline BLE
- Key cylinder option upon request
- Over 50 lever options available
- Rigid lever; Clutched lever available
- Encrypted RFID credentials
- Vandal resistant RFID reader
- Standard Finishes: Satin Chrome, Flat Black, Bright Chrome - Other finishes available upon request
- Warranty
  - Up to 2 Year Electronic
  - 10 Year Mechanical

## ELECTRONIC SPECIFICATIONS

- Application: Residential entrance
- Capacity: 300 users/lock
- Audit Trail: Scalable to 3,000 events
- RFID Reader Color: Black or Gray
- Read Range: approx.  $\frac{3}{4}$ "
- Two-year battery life, with low battery warnings
- Standalone or can be integrated into RACS with wireless gateways
- Power: 4 AA alkaline batteries

## MECHANICAL SPECIFICATIONS

- Door Thickness:  $1\frac{3}{4}$ " standard
- Backset:  $2\frac{3}{4}$ "
- Latch bolt: Stainless Steel,  $\frac{3}{4}$ "
- Deadbolt: Stainless Steel; 1" throw
- Mortise cylinder; SFIC available
- UL listed for 3 hour fire rating
- ANSI/BHMA A156.13-2017 Grade 1 Certified
- Comply with ANSI/BHMA A156.25
- FCC Part 15 certified
- Meet Buy American Act
- Meet Americans with Disabilities Act



# UNIT ENTRY

**DOK100 - Offline**

**DOK200 - Online (WiFi or BLE)**

Mortise Lock with deadbolt: RFID card reader reads SmartCard and Bluetooth/ Smartphone. Provides audit trail, timed access for visitors, employees and contractors. Allows tenant to throw deadbolt when leaving.



Outside View (no cylinder) With and without keypad prompt



Outside View (with cylinder)

## FEATURES

- Automatic Deadbolt Mortise available
- Wireless or offline BLE
- Key cylinder option upon request
- Over 50 lever options available
- Rigid lever; Clutched lever available
- Encrypted RFID credentials
- Vandal resistant RFID reader
- Standard Finishes: Satin Chrome, Flat Black, Bright Chrome - Other finishes available upon request
- Warranty
  - Up to 2 Year Electronic
  - 10 Year Mechanical

## ELECTRONIC SPECIFICATIONS

- Online or offline lock, programmable at the lock
- 3,000 audit trail capacity
- Built-in card reader
- Weather resistant design
- Real time control
- 99 code capacity per lock
- Powered by 4 AA batteries, up to 2-years use battery life in normal conditions
- MIFARE keycard, custom-designed keycard with customer logo available
- 128 bit ASP encrypted keycard
- Standard 12-key touch keypad
- Low battery warning

## MECHANICAL SPECIFICATIONS

- Door Thickness: 1 $\frac{3}{4}$ " standard
- Backset: 2 $\frac{3}{4}$ "
- Latch bolt: Stainless Steel,  $\frac{3}{4}$ "
- Deadbolt: Stainless Steel; 1" throw
- Mortise cylinder; SFIC available
- UL listed for 3 hour fire rating
- ANSI/BHMA A156.13-2017 Grade 1 Certified
- Comply with ANSI/BHMA A156.25
- FCC Part 15 certified
- Meet Buy American Act
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# Options & Customizations

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# CARD READERS



## RL-ST-M

- BLE
- Wireless
- RFID
- No Key Pad



## RL-KP-M

- BLE
- Wireless
- RFID
- Key Pad



## RL-ML-M

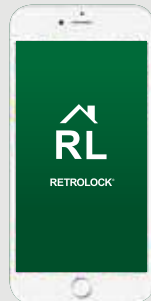
- BLE
- Wireless
- RFID
- No Key Pad

# CREDENTIALS

## PHONE APPLICATION

### SMART PHONE WITH BLUETOOTH

- Work with IOS or Android
- Communicate with the RACS system
- Lock or unlocks
- Send short term user code



## TOUCH KEYPAD WITH MIFARE RFID READER



## MIFARE RFID CARD

- Full size RFID card
- Mini RFID Card
- Sticker RFID Card
- 1KB or 4KB RFID 13.56MHz
- 128 bits AES encrypted



## PEEL-AND-STICK RFID STICKER

- RFID 13.56MHz/1KB
- Custom logo imprint available





# ONLINE READERS

Common entry, parking, and elevators



- ONLINE CARD READER
- DOOR CONTACT
- REX SWITCH
- ELECTRIFIED LOCKS
- ELECTRIFIED EXIT DEVICES
- ELEVATORS
- PARKING GARAGE/GATES



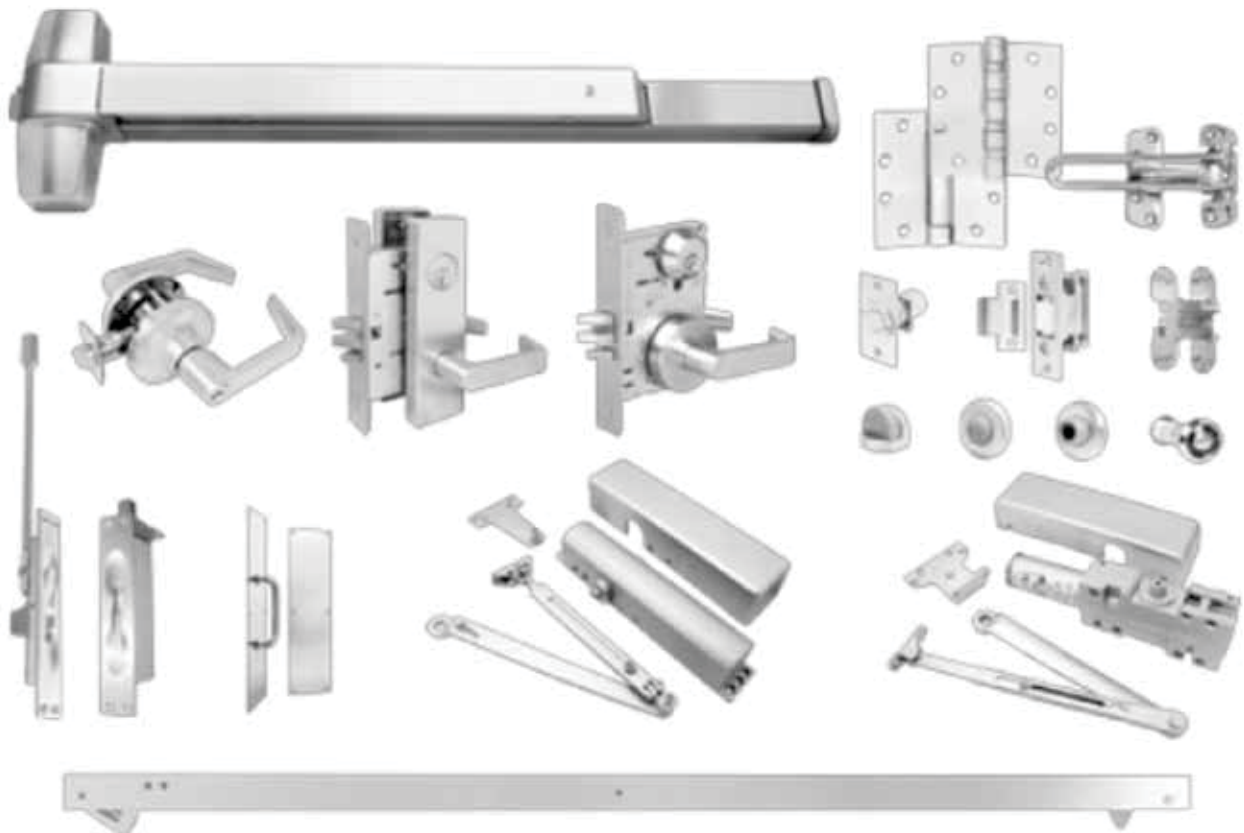
# MECHANICAL & ELECTRONIC HARDWARE

- MORTISE
- CYLINDRICAL
- EXIT DEVICES
- HINGES



## Mortise, Cylindrical, Interconnect, Deadbolt, Panic Hardware, & Hinges

Retrolock manufactures a complete line of Grade 1 hardware of both mechanical and electronic locks. One system with hardware and software that functions as one!



# RETROLOCK<sup>®</sup>



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