

# Quantum™ RFID

## Electronic hotel lock



### Features

- High security and tamper-proof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting
- Wear resistant construction and finish
- NFC programming
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader
- Supports Bluetooth® Low Energy enabling mobile access
- Supports RFID credentials

### Overview

The Quantum RFID lock offers a unique two-piece modular design. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

### Next-generation technology with RFID and mobile access solutions

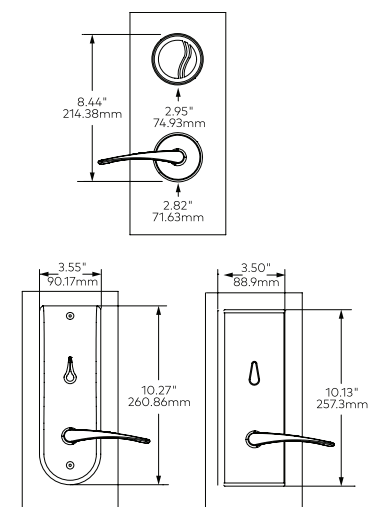
With built-in RFID, NFC, and Bluetooth Low Energy, the Quantum RFID door lock supports RFID cards, mobile keys, and digital wallets. Guests can use their smartphone as a key, enabling convenient check-in and intuitive access.

### Access control management software

The Quantum RFID lock is supported by dormakaba's robust Ambiance access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's Ambiance RX online access management solution for superior control and monitoring.

### Applications

- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house



Mechanical features

|                       |                                                                                                             |                                                                                           |  |
|-----------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|
| Description           | Electronic mortise lockset with 1" (25.4 mm) throw deadbolt and 5/8" (15.9mm) dead-locking latch bolt       |                                                                                           |  |
| Handing               | Factory-handed mortise (left, right, left reverse, right reverse)                                           |                                                                                           |  |
| Lever                 | ADA Compliant <div></div> |                                                                                           |  |
| Deadbolt              | 1" (25.4 mm) throw deadbolt and 5/8" (15.9 mm) dead-locking latch bolt                                      |                                                                                           |  |
| Door thickness        | 1¾" (44.5 mm) to 2½" (53.98 mm) for standard product                                                        |                                                                                           |  |
| Weight                | Approx. 8.0 lbs with hardware                                                                               |                                                                                           |  |
| Housing construction  | Escutcheons: Zinc<br>Levers: Brass, zinc, or stainless steel                                                |                                                                                           |  |
| Standard finishes     | Bright chrome, bright brass, satin chrome, satin brass, dark mahogany                                       |                                                                                           |  |
| Inside trim options   | Optional adase or MT inside escutcheon                                                                      |                                                                                           |  |
| Standard backset      | 2¾" (69.9 mm) from door edge to lever                                                                       |                                                                                           |  |
| Locking options       | ANSI lock case with 1¼" or 1" lock front mortise. Options: automatic deadbolt, door ajar                    |                                                                                           |  |
| Online configurations | Online Ready                                                                                                | DAJ mortise (ANSI lock case)<br>Standard (stand alone) inside escutcheon                  |  |
|                       | Online Enabled                                                                                              | DAJ mortise (ANSI lock case)<br>Inside escutcheon equipped with low-power wireless module |  |

Mobile Access options (Quantum RFID series)

|                         |                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bluetooth® enabled      | The lock includes Bluetooth® (BLE) as a standard, enabling mobile credentials upgrade at any time                                                                                                                                                                      |
| Lock operation          |                                                                                                                                                                                                                                                                        |
| Date/time stamp         | Real-time; date and hours/minutes                                                                                                                                                                                                                                      |
| Interrogation           | Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote interrogation using a Ambiance RX online lock system (optional)                                                                             |
| Pre-registered keycards | Keys can be made up to ten days in advance without cancelling current or arriving guests                                                                                                                                                                               |
| Keycard expiration      | Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process                                                                                                                                 |
| Passage mode            | Set by authorized keycard or online system<br>Can also be configured to perform an automated/pre-defined passage mode time                                                                                                                                             |
| Lockout mode            | Set by authorized keycard or online system                                                                                                                                                                                                                             |
| RFID credentials        | Supports MIFARE Ultralight® C, MIFARE Ultralight® AES, MIFARE Plus® EV2, and MIFARE® DESFire® EV3 credentials<br>For optimal protection activate Enhanced Security in Ambiance on all compatible locks and firmware<br>Available in RFID keycards, fobs and wristbands |
| Feedback                | Light indicators in reader                                                                                                                                                                                                                                             |
| Diagnostics             | Light indicators and handheld display                                                                                                                                                                                                                                  |
| Audit trail             | Up to 4,000 events                                                                                                                                                                                                                                                     |
| Disability feature      | RCU readers interface with automatic power operated doors for special openings                                                                                                                                                                                         |
| Privacy override        | Emergency key and electronic override                                                                                                                                                                                                                                  |
| Batteries               | Alkaline - four AA battery pack; battery life is up to 2 years<br>Low battery indicator: alerts staff that batteries need to be changed soon                                                                                                                           |

Certifications & testing

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessibility standard             | Complies with 2010 ADA Standards for Accessible Design – Art. 309.4 (Operable Parts). For models with ASM mortise only, for application interior and exterior. Non ADA compliant with auto dead bolt. Lock shall be properly aligned with the mortise or latch and must be installed strictly according to the dormakaba installation instructions and the ADA Standards and Regulations applicable for each facility, to be able to fulfill compliance with ADA requirements.                                                                                                                                                                                   |
| BHMA/ANSI                          | Certified to be compliant with Grade One performance tests for “ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches,” and “ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices.” (Only locks tested and approved by non-biased third-party test lab are allowed in the “BHMA Certified Products Directory” found at <a href="http://www.buildershardware.com">www.buildershardware.com</a> ).                                                                                                                                                                                                                                              |
| Fire rating                        | Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. <ul style="list-style-type: none"><li>• U.L. Certification: GVVW.R12071 “Accessories for Single-point Locks and Latches and Fire Exit Hardware.” Evaluated in accordance with UL 10B and UL 10C</li><li>• U.L. Listing: GYQS.R11247 “Electrically Controlled Single-point Locks and Latches.” Evaluated in accordance with UL 10B &amp; UL 10C</li><li>• Also classified in accordance with Uniform Building Code Standard 7-2, “Fire Test of Door Assemblies” (1997)</li></ul> |
| Ingress protection                 | IP54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Electronics                        | FCC Part 15 Class A and CE directive 89/336/EEC compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Environmental operating conditions | Indoor side: 32 °F to 151 °F (0 °C to 66 °C)<br>Outdoor side: -31 °F to 151 °F (-35 °C to 66 °C)<br>0 % to 85 % non-condensing humidity at 86 °F (30 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Warranty                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Standard warranty                  | Two years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Support programs                   | dormakaba Service Plans (Platinum, Gold, Silver)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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Any questions? We would be happy to advise you.  
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