



Quantum Pixel

Sleek, Powerful, Smart Electronic RFID Lock

The Future of Multihousing Design

Quantum Pixel is the newest addition to the Quantum Series, proving that good things come in small packages. Pixel is a modern door hardware locking solution featuring high-performing RFID security and a minimalist two-piece design. Pixel is distinguished by having electronic components concealed within the door, creating a more engaging entrance. Integration with BlueSky, our cloud-based mobile access application, delivers convenience designed specifically for the multihousing market.

Access for the Mobile-Minded

Pixel is mobile enabled utilizing Bluetooth Low Energy (BLE), the preferred communication technology for dormakaba RFID electronic locks. Through BlueSky, property managers can turn a smart device into an authorized mobile credential providing simple and secure access to apartments, common and amenity areas and perimeter. BlueSky is available for both iOS and Android smart devices allowing for deployment across multiple properties to facilitate unique living situations, such as dog-walkers, special deliveries and service personnel.

Properties seeking to enhance marketability and resident convenience choose dormakaba for performance, scalability and flexible deployment options.

Community™ Access Management Software

Our state-of-the-art access management software offers credential management flexibility with multiple username/password levels, detailed system audit reports, and customizable credential programming. Based on feedback from leading multihousing developers and operators, community software offers an easy to use, web-based multiplatform solution providing centralized auditing and enhanced reporting features.

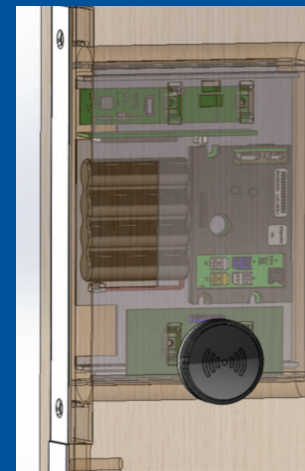
The Next Generation of Superior Performance

Pixel is ANSI/BHMA Grade 1 certified and features a tamper resistant design with a solid steel one inch deadbolt, low battery indicator, optional door ajar alert and standard audit trail up to 4000 events.

The lock is powered by four AA alkaline batteries that will last up to two years. An innovative slide mechanism makes lock maintenance easy with no loss of access programming or audit trail during service.

Applications

Ideal for multihousing projects in order to meet the rising demand for greater digitization, security and convenience. Developers of market-rate apartments, privatized student housing and senior living facilities can deliver intuitive, interactive technology to provide safe and secure access throughout their entire property.




Slide mechanism housing electronic components

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Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and 5/8" (15.9mm) dead-locking latch bolt	
Reader cover	Polycarbonate. Color: black	
Handing	Factory-handed mortise (left, right, left reverse, right reverse)	
Lever	<p>ADA Compliant. Standard levers available</p>  <p style="text-align: center;">Apogee Arc Continental Elevon Gala Troy</p>	
Deadbolt	1" (25.4mm) throw deadbolt and 5/8" (15.9mm) dead-locking latch bolt	
Door Thickness	1.38" (35.1 mm) to 3.0" (77 mm). No mortise offset, no rabbeted doors	
Standard Finishes (levers and inside)	Bright chrome, bright brass, satin chrome, satin brass, satin nickel, black, dark mahogany	
Locking Options	ANSI lock case with 1" lock front mortise	
Online Configurations	Messenger LENS Ready	DAJ mortise (ANSI lock case)
	Messenger LENS Online	Lock controller board with Messenger LENS capability (wood doors only) DAJ mortise (ANSI lock case)

Mobile Access Option (BLE)

BLE ready	Upgradeable to BLE with BLE module
BLE enabled	BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon
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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 Messenger LENS (optional)
Passage Mode	Set by authorized keycard or Messenger LENS system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger LENS system
RFID Credentials Specifications	Two credential format options available: Mifare Classic or Mifare Plus - Mifare Classic (4byte NUID): Guest Keycards (Mini), Staff (4K & 1K) - Mifare Plus: Resident Keys (Mifare Ultralight C, 7 Byte UID), Staff Keys (Mifare Plus S 2K, 4 Byte NUID, Mifare Plus S 4K, 4 Byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers required to interface with automatic power operated doors for special openings
Privacy Override	Emergency keys

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Grade One performance tests for ANSI/BHMA A156.13 - 2017 "American National Standard for Mortise Locks and Latches," and ANSI/BMHA A156.25 - 2013 "American National 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 www.buildershardware.com)
Fire Rating	U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. Listed for up to 3 hours on metal doors and up to 45 min on wood doors
Electronics	FCC Part 15 Class A and CE directive 2014/53/EU compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C) IP rating: IP54

Warranty

Standard Warranty	Two years
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