

PROXESS
LoxIQ®
**Electronic
Locking System**



Overview

The Proxess® LoxIQ® is designed to transform the locking industry. LoxIQ represents the next generation in electronic locking systems...to create an intelligent, Grade 1 electronic lock that is simple to install and competitively priced with an uncompromising goal of bringing the most advanced features in any type of lock – mechanical or electronic.

The Proxess system is comprised of an intelligent lock, intelligent cards and smart phone credentials. The intelligent credential is microprocessor-based, operating much like a hand-held computer, at the price of an access control card. Proxess uses the credential's intelligence to communicate between the software (AxessIQ®) and our locksets (LoxIQ®), creating a virtual communication network (NoxIQ®).

LoxIQ is also intelligent. It is equipped with a low-power, Bluetooth® (BLE) module, allowing it to network with Proxess Bluetooth wireless systems and mobile (phone) credentials. This allows administrators to use either the intelligence on the card (NoxIQ), or our Bluetooth communication network, without any modification to the lock. Our BlueIQ bridge allows the system administrator to communicate with locks when desirable, temporarily turning off-line locks into on-line devices. Our virtual network provides complete online-like features such as time schedules, audit trail, emergency lockdown, immediate "rekey", blacklist, automatic lock and unlock, calendar, holidays and firmware updates.

Features and Benefits

	Bluetooth technology on-board allows lock networking, mobile credentials and emergency lockdown upgrades.
	Unlike mechanical locks, Administrators can decide not only who enters a door, but also WHEN someone is authorized to enter locks (time schedule), and receive an audit trail of these events. Locks can be rekeyed instantly, saving costly and expensive mechanical rekeys.
	Installs in minutes without additional holes or door prep.
	Simple, field reversible, lever handing in seconds.
	Emergency mechanical key over-ride includes pick resistant removable core and patent pending process which monitors emergency mechanical key operation.
	<i>Network-On-Card</i> (LoxIQ®) creates a virtual network which automatically updates system when card accesses an on-line Proxess door or USB device.
	Utilizes Mifare DESFire EV2, the latest and most advanced RFID contactless smart credential technology. Proxess further protects credential communication by utilizing 128bit AES encryption and custom electronic keying.
	Mobile programming device updates lock without cumbersome device programming. Administrator can forward programming capability to other MPD devices on another side of campus or around the world utilizing Proxess' ProxylQ® patent-pending technology.
	Clutch mechanism provides added vandalism protection.

LoxIQ® RFID Lock Specifications

Certifications:	ANSI 156.2 and ANSI 156.25 Grade 1; UL10C Fire-Rated; FCC
Connectivity:	<ul style="list-style-type: none">• Bluetooth Communication up to 100 feet.• RF and Network-on-Card RF = 1 ½”• Mobile Programming Device Up to 100 feet.
Users:	Unlimited
Audits:	5000 Rotating
Time Schedules:	64+
Latch Backset:	Standard 2 ¾”; Option: 2 3/8”
Door Thickness:	1 3/8” to 2”
Strike:	Standard 1 3/16” lipped t-strike; Optional ANSI 1 ¼” x 4”
Escutcheon Dimensions:	<ul style="list-style-type: none">• Outside = 5.5” X 3.62” X 1.33” (140mm x 92mm X 33.7mm)• Inside = 7.56” x 3.5” x 1.33” (192mm x 88.9mm x 33.7mm)
Operating Temperature:	ANSI Standard -31 to 151F (-35~66 C)
Functions:	Storeroom, Entrance, Classroom, Emergency (Intruder) Classroom; Apartment, Dormitory/Privacy, (Temporary) Construction
Emergency Mechanical Keying:	Standard 7-pin, Special Pick-Resistant, Interchangeable Core, Custom Keying.
Lock Reader:	RFID 13.56 MHz, ISO 14443A, Low-power BLE
Visual and Audio Communications:	LED (Tri-Color) Indicator Light and Audio Indicator
Credentials:	Multi-Application, Mifare DESFire EV2®; BLE Mobile Credentials
Credential Security:	DESFire EV2; 128-bit AES Encryption
Indoor/Outdoor:	ANSI Indoor/Outdoor Certified 156.2 Indoor/Outdoor, Normal Operating Humidity: 0 – 100%, Non-Condensation
Warranty:	Lifetime Limited Mechanical Warranty; 5 Year Limited Electronic Warranty

PROXESS CYLINDRICAL

HOW TO ORDER

Step 1	2	3	4	5	6	7	8
CX	ST	6	S2	B1	626	KA	Misc/Custom
Series	Functions	Lever Style	Strike	Backset	Finish	Keying	
CX – Cylindrical Grade 1 lever 	ST – standard <i>(standard default)</i> XC – emergency lockdown classroom	6 – angled return <i>(standard default)</i> 8 – curved return 9 – curved no return	S1 – T-strike 2 3/4" S2 – ANSI 4 7/8" strike <i>(standard default)</i>	B1 – 2 3/4" <i>(standard default)</i> B2 – 2 3/8"	626 – satin chrome <i>(standard default)</i> 606 – satin brass 690 – dark bronze (613 equivalent) other finishes upon request	KA – keyed alike KI – keyed individually LC – less core CK – custom keying	

NOTE: Customer may leave steps blank if *(standard default)* material is preferred for that step in the ordering process.

Step 1: Cylindrical Lock for standard 2 1/8" cut-out door.

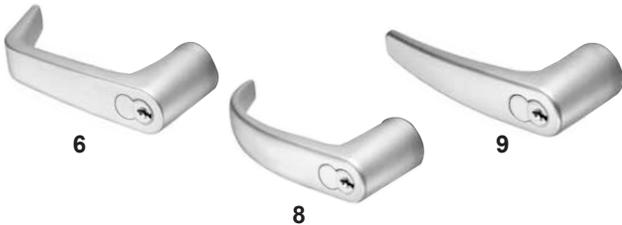
Step 2: Lock Function

- **ST** – Standard *(standard default)*
- **XC** – Emergency Lockdown Classroom

NOTE: All lock functions (Entrance, Classroom, Storeroom, etc.) can be programmed electronically. **Exception:** Emergency Classroom function requires an active RFID fob.

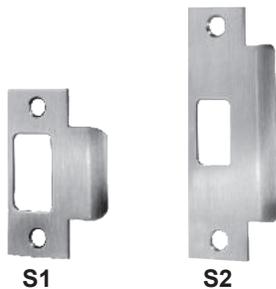
Step 3: Lever Style

- **6** – Angled Return *(standard default)*
- **8** – Curved Return
- **9** – Curved No Return



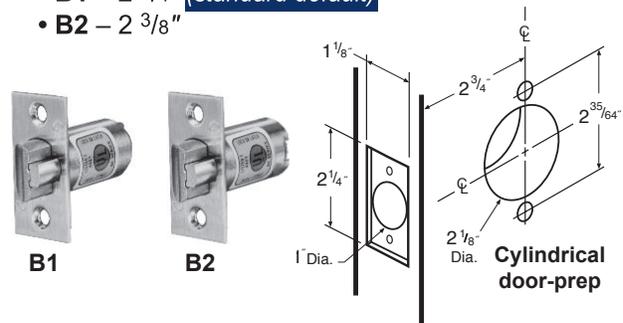
Step 4: Strike

- **S1** – T-Strike 2 3/4"
- **S2** – ANSI Strike 4 7/8" *(standard default)*



Step 5: Backset

- **B1** – 2 3/4" *(standard default)*
- **B2** – 2 3/8"



Step 6: Finish

- **626** – Satin Chrome *(standard default)*
 - **606** – Satin Brass
 - **690** – Dark Bronze (613 equivalent)
- Other finishes available upon request



Step 7: Keying

- **KA** – Keyed Alike
- **KI** – Keyed Individually
- **LC** – Less Core
- **CK** – Custom Keying

Step 8: Miscellaneous/Custom

