BEST
dormakaba Group

Offline Series Catalog
by BEST

Smart access means BEST in class

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Introduction

BEST's Offline Series locking systems are driven by specially designed software which utilizes card reader technology and is powered by Keyscan Aurora and Lenel OnGuard software. Offline Series locks do not require costly wiring, they are easy to manage and offer a broad range of integrated features. Everything about BEST's Offline Series locks were designed to think...so you don't have to. The world of access control has become increasingly complex. This is especially true for a campus and residence halls. As higher demands are being made for student safety, there is also a greater need for convenience and efficiency for facility managers. The real genius of Offline Series locks is their ability to address both challenges.

The Offline V Series is an electronic access control system that can be programmed to meet your facilities access control needs. The system is designed to secure your facility by granting specific access rights to authorized personnel, based on a defined time schedule for each lock in the system. By tracking events at the lock, the system provides information to help you maintain the security of your facility.

The Offline G Series is designed specifically for the residence hall application and utilizes pre-programmed ID cards. The expiration date is encoded on cards preventing students from returning to their rooms after the semester has expired significantly reducing the likelihood of unauthorized door access. And because the lock itself is off-line, individual door access changes can be made quickly and conveniently addressing the real life needs of daily operations such as lost cards and/or room changes. Locks do not have to be re-programmed if a card is lost or a student's room changes. Add to this the ease with which the Offline G Series integrates into existing systems, and the incredible amount of data that can be tracked and stored.

Software Features

- Offline Series locks with access control software integration.
- Automatic backup reduces the risk of losing data. Requires back-up to be physically taken off or moved off the software PC.
- Multiple locations can be networked to conveniently access a single database.
- Complete history of access activity can easily be obtained.
- Stores as many lockset configurations as you have disk space for.
- Operates on a desktop PC, or laptop PC. Aurora is Client / Server based so it can also work on Servers.
- Provides easy-to-use menus and dialog boxes.
- Is password protected.
- Term-based software allows for batch updating of data, saving significant and valuable time.
- Open architecture allows ease of upgrading and adding equipment to your system.
- Downloading of Retrieval of history events and the generation of reports.

Offline Series locks work with the following access control management software:
Keyscan Aurora
Lenel OnGuard

Hardware Features

- Offline Series battery powered locks are available in mortise, cylindrical, and exit trim compatible applications.
- Integrated rechargeable back-up battery included with every lock; recharges as main battery is plugged in. This reduces the chances of losing data when the main battery has been disconnected.
- Magnetic stripe and dual validation (magnetic stripe and keypad) readers are available for both G & V Series Offline locks. Prox, Prox+Keypad, and Smart Card readers are available with the Offline V series only.
- Magnetic stripe and dual validation readers are vandal resistant and can read ISO standard I.D. Cards. Available as track 1, 2 or 3; track 3 is standard on Offline G Series and track 2 is standard on Offline V Series.
- Prox, and smart card readers are vandal resistant and can read a host of common formats.

Hardware Features (Cont'd)

- The Offline Series can allow or record a combination of 5,000 users or transaction history per lockset.
- Mechanical override allows for emergency access.
- Key Override Sensor (KOS) records when a key is used; this is an option available on the mortise 45HG/45HBV Offline Series.
- Deadbolt sensing is standard with any Offline Series lock that has a deadbolt; this prevents access to unauthorized cards when the deadbolt is thrown.
- Component parts are easily replaceable; this helps bring maintenance costs down when compared to replacing entire locks.
- Heavy-duty Mechanical platform designed and manufactured for the toughest applications.
- No costly wiring; locks are self contained and battery powered.

System Components & Accessories


Programming Cable


Mag Stripe Encoder


USB to Serial Converter


Null Modem Adapter


Null Modem Cable


Flash Drive

Parts Description		Catalog Number
Aurora Basic Software	Keyscan Aurora access control management software is an innovative high performance software platform with many features and robust integration.	AURORA
Replacement Aurora Basic Software - No Licenses	Keyscan Aurora software replacement media (DVD) and upgrade (if applicable). Currently this is a replacement media only. If you lose or misplace your software, you may replace your software by specifying this part number. We'll send you a new replacement disc-to be used with your existing Aurora software serial number.	AUR-UP
Single Additional Client License (single)	The Aurora software features optional licensed and add-on modules for enhanced integration and overall system functionality. License number is now emailed in lieu of a package.	EAUR-CL1
Five Additional Client License (5 pack)	The Aurora software features optional licensed and add-on modules for enhanced integration and overall system functionality. License number is now emailed in lieu of a package.	EAUR-CL5
Ten Additional Client License (10 pack)	The Aurora software features optional licensed and add-on modules for enhanced integration and overall system functionality. License number is now emailed in lieu of a package.	EAUR-CL10
Programming Cable	Programming cable allows you to connect to individual locks	BASDCAB
Magnetic Stripe Encoder	The device that "reads", "writes" and "erases" information on the magnetic-stripe card. This also includes the software that controls the card encoder.	MSR20633BA
USB to Serial Converter	This is used to connect the netbook to the null modem adapter gender changer or null modem cable.	SES-USB
Null Modem Adapter	This is used to connect the USB to serial converter to the programming cable.	SES-DB9CON
Null Modem Cable (optional)	This is used to connect the USB to serial converter to the programming cable, using this instead of the null modem adapter gender changer. This optional cable provides a wire length of 6 feet from lock to transport device as opposed to 2 feet with the Null modem adapter gender changer.	SES-DB9CAB
Flash Drive	2GB flash drive used to transfer data from server to the Transport Device.	SES-MEM
Transport Device	Connects to the lock unit and sends data to the lockset or retrieves history data. Also a means to provide diagnostic data from the lockset. Software is available online..	SES-NETBOOK SES-NETBOOK software

Parts Description	Catalog Number
4 Cell Battery Holder**	C83511 (Standard)
4 Cell Shrink Wrapped Battery Pack*	VPD-BB (4SW option)
8 Cell Battery Holder**	C83522 (8CE option)
Cleaning Cards (Box of 50)	VPD – CLN
Torx Security Bit	VPD – T15

*VPD-BB can be used in both legacy one piece inside trim and 2010 or newer two pieces inside trim.** Ships standard with any lock purchased after 2010, cannot be used with legacy one piece trims or EX units. Retrofit kits available for legacy trims.

Cylindrical Mechanical Specifications

Materials – Internal parts are brass, zinc or corrosion-treated steel

Chassis – 2-1/16" diameter to fit 2-1/8" diameter hole in door.

Strike – Brass, bronze, or stainless steel base material; Standard (STK) 2-3/4" x 1-1/8" x 3/32", ANSI (S3) 4-7/8" x 1-1/4" x 3/32". Fits standard door frame cut out as specified in ANSI A115.1.

Backset – 2-3/4" standard. 3-3/4" and 5" available

Door thickness – For doors 1-3/4" - 2-1/4" thick

Installation – Lock dimensions requires modified door prep, ANSI A156.2 Series 4000, Grade 1 to mount housing

Latchbolt – Throw 9/16" standard; 3/4" optional

Escutcheon – 10-1/2" x 3-3/8" x 1" sloping down to 3/4"

Lever handle – Made from high-quality zinc alloy. Body is approximately 1-5/8" in diameter. Handle is approximately 4-3/4" in length (from center-line of chassis). (Lever #14 and #15 conform to California Titles 19 and 24.)

Finishes

- 605 - bright brass, clear coated
- 606 - satin brass, clear coated
- 612 - satin bronze, clear coated
- 625 - bright chromium plated
- 626 - satin chromium plated
- 626AM - satin chrome, antimicrobial
- 690*- dark bronze coated (brass base material)

* 690 finish will continue as a dark brown appearance over time.

Mortise Mechanical Specifications

Case – 0.095" cold rolled steel, 5-7/8" H x 7/8" D x 4-1/16" W. Steel is zinc dichromate plated for corrosion protection

Faceplate – Brass or bronze material, 8" H x 1-1/4" W x 1/16" T. Lock face automatically adjusts to proper bevel during installation

Strike – Brass, bronze, or stainless steel base material, 4-7/8" x 1-1/4" x 3/32". Fits standard door frame cut out as specified in ANSI A115.1. Universal (non-handed) strike supplied standard with lock

Backset – 2-3/4"

Door Thickness – Standard lock configuration designed for doors 1-3/4" thick. Thick door configuration available for doors up to 3" thick (specify thickness when ordering)

Latchbolt – Solid stainless steel, 3/4" throw anti-friction. Reversible without opening case.

Deadbolt: Stainless steel, 1" throw

Auxiliary bolt – Stainless steel, non-handed

Lever handle – Brass, bronze, or stainless steel base material. Lever styles #3, #14, and #15 return to a minimum of 1/2" of door surface. Lever 12, 16 and 17 do not return.

Escutcheon – 10-1/2" x 3-3/8" x 1" sloping down to 3/4"

Finishes –

- 605 - bright brass, clear coated
- 606 - satin brass, clear coated
- 611 - bright bronze, clear coated
- 612 - satin bronze, clear coated
- 613*- oxidized satin bronze, oil rubbed
- 619 - satin nickel plated, clear coated
- 625 - bright chromium plated (brass base material)
- 626AM - satin chrome, antimicrobia
- 626 - satin chromium plated (brass base material)
- 629 - stainless steel
- 630 -satin stainless steel
- 630am - satin stainless steel, antimicrobial
- 690 - dark bronze coated (brass base material)

* 690 finish will continue as a dark brown appearance over time.

Exit Trim Mechanical Specifications

Materials – Internal parts are brass, zinc or corrosion-treated steel

Minimum Stile Width – Mortise and rim locking types 4-3/4", surface and concealed vertical rod locking type 3-3/4"

Escutcheon – Dimensions– 11-5/8" x 3-3/8" x 1"

Lever handle – Brass or bronze. (Lever #14 and #15 conform to California Titles 19 and 24.)

Finish –

- 606 - Satin brass, clear coated
- 613*- oxidized satin bronze, oil rubbed
- 626 - satin chromium plated
- 626AM - satin chrome, antimicrobial
- 690**- dark bronze coated (brass base material)

* 613 finish is designed to wear over time, providing an "antique" appearance.
* 690 finish will continue as a dark brown appearance over time.

Offline G

Magnetic

Dual Validation

Offline V

Magnetic

Multi-tech - Proximity + SE + HID BLE

Smart

Dual Validation

PKP Reader

Proximity

Specifications for all Offline Series Readers

Primary power – 4 AA batteries (standard), 8AA batteries for longer life, or 4 cell shrink wrapped battery pack.*
* Note: Exit Trim can only use the 4 cell battery pack.

Memory backup – Maintains programming and history data while changing the main battery. Can also maintain programming and history data for 6-7 hours after power loss.*
*Two phase battery warning system is given via audible and visual responses reducing the potential for complete power loss.

User feedback indicators – Visual and audible

Serial communications port – Can be used to program locks individually from laptop

Relative humidity – 10% to 90% non-condensing

Sealing – Weatherproof lens and gasket provides protection for outdoor use (Usable in most environmental/exterior applications)

Compliance – Compliance to FCC, Canadian, and European EMC requirements; for interference FCC Class A digital apparatus

Magnetic Stripe Reader Specifications

Bezel Size – 2-5/8" (66mm) x 3 1/4" (82mm)

Bezel Material – High impact ABS.

ESD Protection – 15 kilovolts

Read Rate – 5 inches per second to 50 inches per second.

Card Thickness – ISO standard .030" ± .003 thick.

Operating Temperature – -40°F to 167°F (-40°C to 75°C.)

Relative Humidity – 0-95%.

Primary Power – Battery pack.

User Feedback Indicators – Visual and audible.

Proximity & Keypad Readers Specifications - V Series only (HID and ICLASS formats)

Bezel Size – 2-5/8" (66mm) x 3-1/4" (82mm)

Bezel Material – High impact ABS.

ESD Protection – 15 kilovolts.

Operating Temperature – -31°F to 149°F (-30°C to 65°C.)

Keypad Material – Encapsulated elastomer.

Relative Humidity – 0-95%.

Primary Power – Battery pack.

User Feedback Indicators – Visual and audible.
Note: Can be used in direct sunlight.

Magstripe + Keypad Reader Specifications

Bezel Size – 2-13/16" (71mm) x 3-1/2" (89mm)

Bezel Material – High impact ABS.

Keypad Material – Encapsulated elastomer.

ESD Protection – 15 kilovolts.

Keypad Button Operating Life – 1 million cycles

Operating Temperature – -31°F to +151°F (-35°C to +66°C).

Primary Power – Battery pack.

User Feedback Indicators – Visual and audible.

Relative Humidity – 0-95%.

Smart Card Reader – V Series Only
(HID iClass®, HID iClass Seos®, HID iClass SE®, and more.)

Bezel Size – 2-13/16" (71mm) x 3-1/2" (89mm)

Bezel Material – High impact ABS.

ESD Protection – 15 kilovolts.

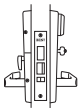
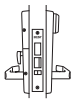
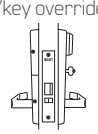
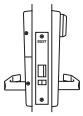
Keypad Button Operating Life – 1 million cycles.

Operating Temperature – -31°F to +151°F (-35°C to +66°C).

Primary Power – Battery pack.

User Feedback Indicators – Visual and audible.

Cylindrical Function

Function & Diag.	Mechanical	Electronic
Single keyed		
Cylindrical Latch w/key override (DV) 	Latchbolt retracted by outside key.	Internal motor drive mechanism operated by time-activated electronic signal, or presenting valid card/PIN. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card/PIN number, time, date and type of event.
Mortise Functions		
Deadbolt w/ key override (TV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism; latchbolt is retracted by key outside. Deadbolt operated by key outside and turn lever inside. When deadbolt is extended, turning inside lever or electronically unlocked outside lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt.	Internal motor drive mechanism operated by electronic signal when presenting valid card. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card number, time, date and type of event. Electronic sensor recognizes whether deadbolt is retracted or thrown. Lock grants access only to deadbolt-authorized personnel when deadbolt is thrown.
Latch w/key override (DV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism. Deadbolt operated by turn lever inside. When deadbolt is extended, turning inside lever or electronically unlocked outside lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt.	Internal motor drive mechanism operated by electronic signal when presenting valid card. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card number, time, date and type of event. Electronic sensor recognizes whether deadbolt is retracted or thrown. Lock grants access only to deadbolt-authorized personnel when deadbolt is thrown.
Latch w/key override (DV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism; latchbolt is retracted by key outside. Auxiliary latch deadlocks the latchbolt.	Internal motor drive mechanism operated by electronic signal when presenting valid card. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card number, time, date and type of event.
Latch w/o key override (NV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism. Auxiliary latch deadlocks the latchbolt.	Internal motor drive mechanism operated by electronic signal when presenting valid card. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card number, time, date and type of event.
Exit Trim Function		
Latch w/ key override (EV) 	Latchbolt operated by outside lever or inside touchbar, except when outside lever is locked by internal motor drive mechanism; latchbolt is retracted by key outside. Deadlocking feature is standard.	Internal motor drive mechanism operated by electronic signal when presenting valid card. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card number, time, date and type of event.
Latch w/o key overide (NV) 	Latchbolt operated by outside lever, or inside touchbar, except when outside lever is locked by internal motor drive mechanism.	Internal motor drive mechanism operated by time-activated electronic signal, or presenting valid card/PIN. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Lock records card/PIN number, time, date and type of event.

Cylindrical & Mortise Lever/Knob Styles


Mortise #3


Mortise #12


Mortise #14


Mortise #15


Mortise #16


Mortise #17


Mortise #4


Cylindrical #14


Cylindrical #15


Cylindrical #16

Compatibility Chart

Device Type	Von Duprin 98/99	Precision 1000	Precision 2000	Sargent 8800
Rim – w/o key override	98TP, 99TP, 98L, 99L	1105, 1108	2103	8828, 8863, 8866
Mortise – w/o key override	9875TP, 9975TP, 9875L, 9975L	1305, 1308	2303	N/A
Surface Vertical Rod – w/o key override	9827TP, 9927TP, 9827L, 9927L	1205, 1208	2203	N/A
Concealed Vertical Rod – w/o key override	9847TP, 9947TP, 9847L, 9947L	1705, 1708	2703	N/A
Rim – with key override	98TP, 99TP, 98L, 99L	N/A	2103	N/A
Mortise – with key override	N/A	1305, 1308	2303	N/A
Surface Vertical Rod – with key override	9827TP, 9927TP, 9827L, 9927L	N/A	2203	N/A
Concealed Vertical Rod – with key override	9847TP, 9947TP, 9847L, 9947L	N/A	2703	N/A