

Series 98/99

Touchbar Exit Devices

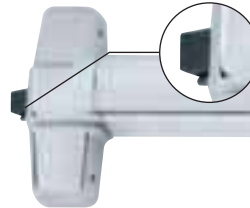
STANDARD FEATURES



996L - Standard

Breakaway™ Lever Trim

The Breakaway Lever Trim Series 994L/996L significantly reduces damage from vandalism, while maintaining ADA standards. When excess force is applied, the lever trim appears to break. Later it can be easily reset, saving the cost of replacement.




Deadlocking Latchbolt

Provides security and improved performance at standard device cost.



Flush Mounted End Cap

The end cap offers a unique combination of aesthetic styling and robust reliability with a sloped, contoured design that protects the device.

 All Series 98/99 are available with antimicrobial coating.

(Page 38 for more detail)

OPTIONS AND ACCESSORIES

Electric Latch Retraction

Provides remote access locking control, useful where free-swinging doors are normally utilized. May be applied to fire devices when under the control of an automatic fire alarm system. Requires PS873-2 power supply.

Electric Mortise Lock

The E7500 option provides for remote locking or unlocking of the outside trim without retracting the latchbolt. Particularly useful as a fail-safe component of an automatic fire alarm system.

Glass Bead Kit

Available for use on doors with raised glass beads.

Pneumatic Latch Retraction

Provides remote access unlocking control in hazardous areas. The air cylinder used in the device has a special actuating linkage that allows a mechanical override.

Cylinder Dogging

Available on all 98/99 panic devices to replace the standard hex key dogging. Unit requires a standard 1-1/4" (32mm) mortise cylinder.

Request to Exit

Used to signal egress of an opening. Devices are equipped with one internal SPDT switch which monitors the touch bar.

Latchbolt Monitor

The LX (Latchbolt Monitor Switch) option is used to signal both egress and access of an opening. These devices are equipped with one internal SPDT switch which monitors the latchbolt.

Signal Switch

Signals unauthorized use of an opening. One internal switch monitors the touch bar and the latchbolt for positive security. A second internal switch is controlled by the key cylinder for alarm shunt and reset. The SS device is designed to work with additional alarm components.

ALK Alarm Kit

A simple yet effective way to monitor the use of an exit. The unit contains an internal horn which operates on one 9V battery. Optional PS9 power supply available.

Electric Locking/Unlocking Trim

E996L lever trim provides remote unlocking and locking capabilities. Often used in the control of stairwells in high-rise buildings.

993 Exit Trim

Trim is a stand-alone, battery-powered exit trim for use on doors where access control is needed in conjunction with an exit device.



= Antimicrobial Coating Available



= Helps meet LEED certification

LEVER DESIGN OPTIONS



L-Series lever designs can be suited with Schlage commercial and residential levers.



CM993 AND PRO993

Von Duprin offers two trim options for access control on doors that require an exit device. The CM993 (see page 68) is a stand-alone trim computer-managed via Schlage SMS, while the PRO993 (see page 72) is manually programmable for up to 120 user codes. Both devices are designed to be used with the Von Duprin 98/99 exit devices and provide unmatched access control for a variety of device styles.

EXPERT TIP

TRIM



Von Duprin offers an array of trim functions and formats for both panic and fire-rated devices. Popular designs shown here. For additional options, please contact Von Duprin customer service.



= Antimicrobial Coating Available



= Helps meet LEED certification

Specialized Devices

Touchbar Exit Devices

XP98/99  

EXTRA PROTECTION FOR GREATER SECURITY



For 98/99 Series devices.

Von Duprin XP 98/99 Rim Exit Device features a patented center case design that takes the proven reliability of the 98/99 Series and adds an innovative latching concept. This latch bolt and strike design collaborates to ensure the highest level of door opening security.

- Ideally suited for openings subject to violent “pull force” attack
- Design delivers over 2000+lbs. of static load force resistance
- Compensates for flex in frames and mullion
- The XP device requires lower forces-to-open on loaded or unloaded openings
- An attractive balance between security and safety



Two-piece latch design provides an orthogonal contact surface when under attack for greater strength, but still maintains a smooth contour when under normal use for fluid operation.

Optional battery-powered indicator displays dogging status with an LED visible over 75 feet.

Dogging Indicator is also available for 98/99 and 33A/35A Series devices.

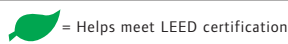
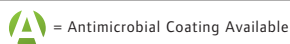


Keyed Removable Mullion

Mullions provide single door performance and security on double door applications. A keyed removable mullion makes removal faster and easier by a single operation of the mortise cylinder. Once the mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self-lock when re-installed without use of the cylinder key.

The lock assembly is available on standard or fire labeled steel mullions, and can be purchased separately for retrofitting. Uses standard 1-3/4” mortise cylinder (not included).

UL/cUL Listed for fire exit hardware (GXHX) A Label.

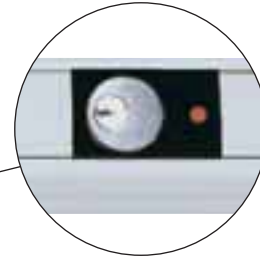




DELAYED EGRESS (SELF-CONTAINED)



Available for 98/99 Series rim, mortise and vertical rod, & 33A/35A Series rim devices.



Key switch to arm, disarm or reset.
Flashing indicator displays status.

Triggers audible alarm when an exit is attempted and holds the door secure for 15 seconds before releasing.

- All controls, auxiliary locking, local alarm, and remote signaling output are self-contained
- Programmable Nuisance Alarm, and rearm time
- Tied in to fire alarm for immediate release in an emergency

UL Listed "Controlled Exit Panic Device" for use on Panic Exit or Fire Exit hardware applications and tested in accordance to ANSI A156.3, 2001, Grade I. Chexit meets all requirements for NFPA101, Special Locking Arrangement.



ACCESS CONTROL AND REMOTE DOGGING

- The EL feature enables control of the latch, allowing for both individual entrances as part of an access control system and continuous access in lieu of mechanical dogging. Free mechanical egress is always available.
- EL devices are also used with automatic door operators and may be applied to fire-rated devices when under the control of an automated fire alarm system.
- The latch is actuated via a powerful, 24Volt, 16 Amp inrush and a continuous-duty solenoid, and is designed for use with a PS873 power supply and an 871-2 option card.
- Multiple options for monitoring and mechanical dogging are available.



EL98/EL99



EL94/EL95



EL33A/EL35A

Available for 98/99, 94/95 and 33A/35A Series rim, mortise and vertical rod devices.



= Antimicrobial Coating Available



= Helps meet LEED certification

Specialized Devices

Touchbar Exit Devices

Quiet Electrified Latch

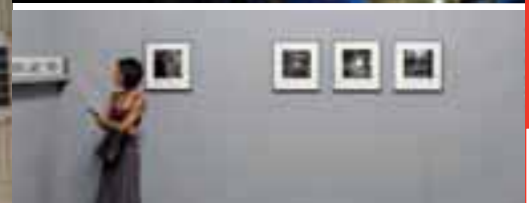
WHISPER QUIET ACCESS CONTROL

Some environments require both access control and extreme quiet. The Von Duprin Quiet Electrified Latch (QEL) reduces operational noise down to a whisper. Designed with advanced sensing electronics, the QEL is the next generation of quiet dependable latch retraction from Von Duprin.

- Quiet operation both electrically and mechanically
- Installation and troubleshooting diagnostics built into power supply and device
- Automatic calibration mode – self-adjusts latch bolt pull and throw
- Power supply logic board (871-2Q) has built-in time delay
- Touch pad retraction and vandal resistance



Available for 98/99 and 33A/35A Series devices



= Antimicrobial Coating Available



= Helps meet LEED certification

Series 33A/35A Exit Device

NARROW STILE PANIC



33A Series features grooved mechanism case.

35A Series features smooth mechanism case.

33A/35A-Series exit devices incorporate contemporary design and durability for the discriminating buyer. Available in rim, surface and concealed vertical rod mountings. For all types of doors, even door stiles as narrow as 1-3/4". Deadlocking latchbolt is standard.

- Devices are UL/cUL Listed panic hardware (FVSR) SA163.
- Fire devices (F) are UL/cUL Listed fire exit hardware (GXHX) R4504, A label.
- Tested in accordance to ANSI A156.3, Grade 1.
- Deadlocking latchbolt is standard on 33A/35A.
- Finishes include US3, US4, US10, US26, US26D, US28, 313AN and 315AN.
- US15 finish available on Series 35A.

OPTIONS AND ACCESSORIES

Electric Latch Retraction

Provides remote access locking control, useful where free-swinging doors are normally utilized. May be applied to fire devices when under the control of an automatic fire alarm system.

Cylinder Dogging

Available on all 33A/35A devices to replace the standard hex key dogging. Unit requires a standard 1-1/4" (32mm) mortise cylinder.

Request To Exit

Used to signal egress of an opening. Devices are equipped with one internal SPDT switch which monitors the touchbar.

The Quiet One

Standard on series 33A/35A exit devices. A fluid damper decelerates the push pad on its return stroke and eliminates most noise associated with exit device operation. Available on all Von Duprin pushpad devices.

Latchbolt Monitor

The LX (Latchbolt Monitor Switch) option is used to signal both egress and access of an opening. These devices are equipped with one internal SPDT switch which monitors the latchbolt.

Signal Switch

Signals unauthorized use of an opening. One internal switch monitors the touchbar and the latchbolt for positive security. A second internal switch is controlled by the key cylinder for alarm shunt and reset. The SS device is designed to work with additional alarm components.

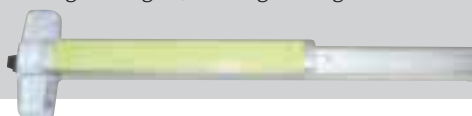
Alarm Kit

A simple yet effective way to monitor the use of an exit. The unit contains an internal horn and operates on one 9V battery. Optional PS9 power supply available


EXPERT TIP

PHOTOLUMINESCENT TOUCH BAR

The Von Duprin "Safety Glow" coating is a specially designed powder coat finish that displays a luminescent glow during low or no light conditions. When exposed to normal ambient light, the coating produces a recognizable glow, directing building inhabitants to pathways of safety.



Available for Series 98/99 and 33A/35A

 = Antimicrobial Coating Available

 = Helps meet LEED certification

Series 33A/35A

Trim Options

LEVER DESIGN OPTIONS



#01

#02

#03

#05

#06 (Standard)

#07

#16

L-Series lever designs can be suited with Schlage commercial and residential levers.



#17

#18

L-Merano

L-Accent

L-Asti

L-St. Annes

#12

TRIM OPTIONS



360L



386NL



388NL
(Pull required)

Von Duprin offers an array of trim functions and formats for both panic and fire-rated devices. Popular designs shown here. For additional options, please contact Von Duprin customer service.

TRIM FUNCTIONS



Dummy Trim
Pull when Dogged



Night Latch
Key Retracts Latchbolt



Night Latch
Key Retracts Latchbolt
Optional Pull Required



Thumbturn
Key Locks & Unlocks
(use with DT trim)



Thumbturn
Key Locks & Unlocks



Lever-Blank Escutcheon
Always operable
(no cylinder)



Lever
Key Locks & Unlocks



Night Latch
Key Retracts Latchbolt



Thumbturn
Key Locks & Unlocks



Thumbturn
Key Locks & Unlocks



= Antimicrobial Coating Available



= Helps meet LEED certification



LOW-PROFILE RECESSED DOOR



Series 94 exit device shown. Series 95 exit devices feature a grooved surface. Available in concealed vertical rod and mortise lock mountings.



Recessed in the door, INPACT maintains a low-profile with sloped end caps that deflect objects away from the door and are closer to being totally flush with the door when depressed. Ideal for use in healthcare facilities, universities and other high-profile buildings.

All INPACT exit devices are as durable as they are beautiful. The heavy-duty construction, simple mechanical design and Von Duprin's legendary commitment to quality combine to ensure a long, trouble-free service life.

- Devices are UL/cUL Listed panic hardware (FVSR) SA163.
- Fire devices (F) are UL/cUL Listed fire exit hardware (GXHX) R4504, A label.
- Tested in accordance to ANSI A156.3, Grade 1.
- These devices exceeded one million cycles in testing.
- Finishes: US3, US4, US10, US26, US26D, US28 and 313AN.

OPTIONS AND ACCESSORIES

Electric Latch

Provides remote access locking control, useful where free-swinging doors are normally utilized. May be applied to fire devices when under the control of an automatic fire alarm system. Requires PS873-2 power supply.

Latchbolt Monitor

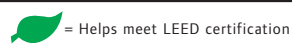
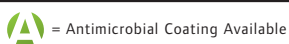
The LX (Latchbolt Monitor Switch) option is used to signal both egress and access of an opening. These devices are equipped with one internal SPDT switch which monitors the latchbolt.

Less Bottom Rod

The Less Bottom Rod (LBR) option is available. In lieu of a bottom rod and latch, a spring-loaded auxiliary fire pin is installed in the lower door edge.

When exposed to room temperature of 1400°F for a maximum of twenty minutes the auxiliary latch releases, keeping the doors in alignment and closed during a fire. UL/cUL Listed for three hours on double egress doors and 90 minutes on doors swinging in the same direction.

The LBR option is not recommended for exterior door openings or where security is critical.



INPACT®

Series 94/95 Recessed Exit Devices

LEVER DESIGN OPTIONS



#03



#06 (Standard)



#07



#12



#16



#17

TRIM OPTIONS

LP373L



Lever LP373L* (Standard)
Forged brass 7/8" (22mm)
escutcheon. #06 lever is
standard. Optional lever
designs available.

*Blank escutcheon "BE" available.
Example: LP373L-BE.

DT



Dummy Pull 550DT
Heavy aluminum forged
brackets with 10" (254mm)
stainless steel pullbar.

TL



Thumbturn 376T
Forged brass 7/8"
(22mm) escutcheon.
It is often used with
a 550DT pull trim.
(Not on 94/9575)

LP230L



Lever LP230L*
Cast aluminum 3/4"
(19mm) depth escutcheon.
#06 lever is standard.
#03 lever is optional.

E
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ENSURE SAFE PASSAGE IN CROSS-CORRIDOR APPLICATIONS.

Properly functioning doors, locks and security systems are just a part of a safe, secure hospital environment. With the INPACT low profile exit device, you also ensure smooth, safe passage of patients, staff and equipment through cross-corridor double doors.

The INPACT exit device is recessed in the door and has a minimal projection from the door's surface. This creates more room in the passage and prevents clothing and equipment from snagging on the device. A wide pushpad makes operation easy, even for people with disabilities. And because the INPACT device is built to meet the strictest building codes, you can be sure it will stand up to the heavy use and abuse of the healthcare environment.



= Antimicrobial Coating Available



= Helps meet LEED certification

Series 22 Touchbar Exit Devices

ECONOMICAL SOLUTION



Series 22 exit devices, the economical alternative, incorporate modern touchbar styling for all types of doors. Available in rim and surface vertical rod styles.

- Devices are UL/cUL Listed panic hardware (FVSR) SA163.
- Fire devices (F) are UL/cUL Listed fire exit hardware (GXHX) R4504, A label.
- Tested in accordance to ANSI A156.3, Grade 1.
- Finishes are SP28 (Sprayed Aluminum) and SP313 (Sprayed Dark Bronze).

Optional ALK Alarm Kit

Exit alarm kits are a simple yet effective way to monitor the use of an exit. The unit contains an internal horn which operates on one 9V battery. Optional power supply available.

TRIM OPTIONS



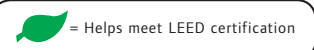
Guard-X

DEADBOLT ARMED EXIT



The Von Duprin Series 2670 GUARD-X provides secure, alarmed, code-compliant protection for secondary exits. The GUARD-X exit alarm lock readily identifies the door on which it is mounted as an emergency exit and secures the opening against unauthorized use. It is ideal for deterring theft in restaurants and retail establishments such as discount stores, grocery stores, drug stores, clothing stores and sporting goods stores.

- UL/cUL Listed for panic exit hardware.
- Complies with NFPA 101 Life Safety Code.
- Meets UL305 requirements and ANSI A156.3, Grade 1.
- Stainless steel deadbolt is 2" x 1/2" (51mm x 13mm) with more than 3/4" (19mm) throw.
- 100-decibel alarm.
- Armed and disarmed by a key using a standard rim cylinder.
- Can be operated from building exterior.
- Surface-mounted 210DT or 230DT pull trim can be mounted above or below device centerline.
- Finishes include US28 (Aluminum), 313AN (Duranodic Brown) and 315AN (Black).



Series 88/Series 55

Crossbar Exit Devices

Series 88 Crossbar Exit Devices

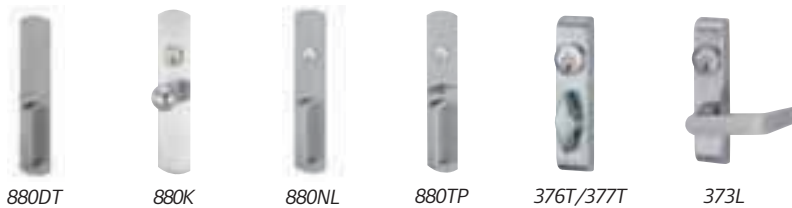
TRADITIONAL DESIGN



Series 88 exit devices incorporate a traditional crossbar design with proven service on rugged applications. Available in rim, mortise, surface and concealed vertical rod mountings. For all types of flush and wide stile doors, and fits 86 and 161 stock hollow metal cutouts.

- Devices are UL/cUL Listed panic hardware (FVSR) SA163.
- Fire devices (F) are UL/cUL Listed fire exit hardware(GXHX) R4504, A label.
- Tested in accordance to ANSIA156.3, Grade 1.
- Finishes include US3, US4, US10, US10B, US26, US26D and SPBLK.

TRIM OPTIONS



880DT

880K

880NL

880TP

376T/377T

373L

Series 55 Crossbar Exit Devices

NARROW STILE TRADITIONAL DESIGN



Series 55 exit devices capture the aesthetic beauty of the best-looking exit devices on the market. They feature a traditional crossbar design with a popular streamlined appearance. Available in rim, mortise and concealed vertical rod mountings.

- Devices are UL/cUL Listed panic hardware (FVSR) SA163.
- Fire devices (F) are UL/cUL Listed fire exit hardware (GXHX) R4504, A label.
- Finishes include US3, US4, US10, US10B, US26, US26D and SPBLK.

TRIM OPTIONS



Pull Bar

550DT
555NL
(CVR-14MD)
556-NL
(CVR-WDC)



Thumbturn

376T
CVR
14MD/WDC



Nightlatch Lever

375L
5575
Mortise device

Additional trim options and formats are available. Please consult factory with your requirements.



POWER SUPPLIES

Series PS861/PS873 power supplies are designed to operate a variety of electrical products, and are field-selectable for 12VDC or 24VDC.

Models can be ordered with three standard options: Key Lock, to secure the cover for safety and eliminate tampering; Battery Backup, which provides two hours of backup power at full load during an AC failure; and Fire Alarm, which requires an input for a normally closed fire alarm contact.

To provide greater system flexibility, several optional plug-in circuit cards are available. The PS873 will accept one or a combination of any two cards, two-zone controller, two-zone controller with time delay, two-zone controller with time delay and alarm function, auto operator and security interlock. Additional factory-installed circuitcards are available for access control. Delayed egress functions UL Listed for "Special Locking Arrangements."



EXPERT TIP



Electrify exits easily and cost effectively with Schlage's wireless exit kit.

New and existing exits can easily be electrified when you pair a Von Duprin exit device with Schlage's WA993 wireless exit kit. The kit adds full access control capabilities without wiring to the door or around it. It maintains UL 10C for fire doors with no need to re-certify, and can be installed in about two hours.

- Compatible with Von Duprin 98/99 Series exit device (sold separately)
- 12V DC battery back with life up to four years at 60,000 credentialed transactions
- Range of up to 200 feet (60 m) in typical building, same floor
- Works on wood and metal doors
- Weather resistant

See page 81 for more information.

Power Transfer/Strikes

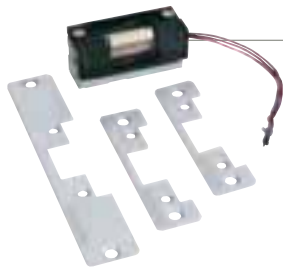


POWER TRANSFERS

UL/cUL Listed for Class 2 low voltage installation of Electric Latch Retraction feature on 33A, 35A, 98 and 99 exit devices. Provides 180° door swing with 5" butt hinges and 3/4" offset pivots. When door is closed, unit is completely concealed for tamper resistance. Available in two wire (EPT2) and ten wire (EPT10) formats.

A pneumatic transfer is available; function and appearance are the same. UL/cUL Listed as "Miscellaneous Fire Door Accessory."

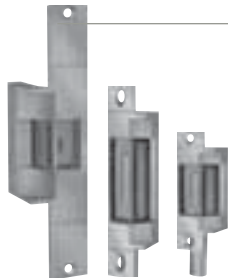
Strikes



5100 ELECTRIC STRIKES

The Von Duprin 5100 Electric Strike has been designed and manufactured to meet the needs of locksmiths and security professionals for medium-duty applications.

The 5100 electric strike kit features three faceplates for hollow metal, wood or aluminum frames, an internal 12/24VDC solenoid, an adjustable keeper and fail safe/fail secure field selectability. Designed for use with cylindrical locks.



SERIES 6000 ELECTRIC STRIKES

StrikeForce™ Series 6000 electric strikes are designed for use with Von Duprin exit devices and most other manufacturers' exit devices, mortise and cylindrical locks.

The Series 6000 is ideal for new installation. For retrofit applications, these strikes are interchangeable with Von Duprin Series 3000 and 3100 along with many strikes by other manufacturers.

Strikes feature all-stainless steel construction and are available in 12 or 24VDC, fail secure. Solenoids

are continuous duty for rugged applications. Options include fail safe, rectifier kits for AC operation, dual monitoring switches, entry buzzer and optional 16VDC solenoids.

UL/cUL Listed burglary-resistant electric door strikes and electric strikes for fire doors and frames, (Fail Secure only) A label for single doors and B label for double doors. Tested in accordance with ANSI 156.5 Grade 1.

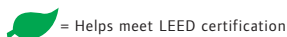
Finishes: US3, US4, US10, US10B, US32 and US32D.



MONITOR STRIKES

Von Duprin monitor strikes are designed to offer remote door monitoring through the use of a signal switch (SPDT) mounted in the strike to monitor the latchbolt.

This series of monitor strikes is designed for use with Von Duprin exit devices and most other manufacturers' exit devices, mortise and cylindrical locks. UL/cUL Listed for fire exit hardware (GXHX) R4504.



FINISHES*

	Color	US Number	BHMA Number
	Satin Nickel	US15	619
	Chromium, Bright	US26	625
	Anodized, Aluminum	US28	628
	Chromium, Satin	US26D	626
	Stainless Steel, Satin	US32D	630
	Brass, Bright	US3	605
	Brass, Satin	US4	606
	Bronze, Satin	US10	612
	Aged Bronze	US11	643
	Anodized Duranodic (Dark Bronze)	313AN	710
	Anodized Black	315AN	---

Pushpad Options — Knurled
 Embossed “Push”
 Braille (Caution-Stairwell), satin stainless steel only
 SS – (EMERGENCY EXIT – PUSH TO OPEN AND SOUND ALARM) – Red Silkscreen lettering on US32D
 SG - Safety Glow (luminescent touch pad)

* **NOTE:** Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

EXPERT TIPS

XP = EXTRA PROTECTION

Use XP-strength products for a complete lock, closer and exit device solution.



4040XP door closer – High Use. High abuse

- Strongest pinion ever with stronger pinion teeth
- Widest bearings ever – 5/8"
- 44% increase in maximum load capacity
- V-Shield™: advanced V-shield seals for extended life
- All-weather eliminates seasonal adjustments
- Standard heavy-duty EDA arm, standard plastic cover, and self-reaming and tapping screws

See page 102.



Primus XP.

- Unique side bit milling
- Keyway exclusivity available by time zone or zip code
- Patent protected until 2024 - the highest level of security for the longest period of time
- Supports small to large key systems with multi-level hierarchy where needed
- Ideal for areas where high security and key control are needed

See Page 57.



XP98/99 exit device – Extra protection for greater security.

- Static load resistance of more than 2,000 pounds
- Collapsing latch mechanism compensates for flex in the frame or mullion
- Requires 25% less force to operate than required by ANSI
- Easy to retrofit
- Ideal for openings subject to violent “pull force” attack
- Attractive balance between security and safety

See page 127.

FALCON

Falcon fits. Everywhere.

At Falcon, we know that every product you choose not only has to meet local building codes, but also your expectations for performance, style and quality. We take your expectations seriously, and that's why we build our door hardware to deliver durability, convenience and unmatched value. Backed by the strength of Ingersoll Rand, Falcon makes it easier than ever to get what you need when you need it. We're resetting the industry standard for providing high quality products, on time at a reasonable price. Our products are built to last and our service is designed to help you succeed.

It's the way we do business and it's what makes Falcon a powerful choice no matter what your project.

Locks

Falcon's full line of locks, trim and keying options, including standard and interchangeable core cylinders, delivers the flexibility you need and the performance you demand.

Exit Devices

Falcon exit devices are sleek, functional, durable and meet or exceed all life safety and building code requirements. We also offer a variety of narrow stile designs to complement aluminum and glass construction.

Closers

Falcon closers are designed to fit a variety of commercial application requirements and, in most cases, provide an identical footprint that's ideal for retrofit.



Contents

Locks

Commercial Locks

M Series
T Series
X Series
B Series
W Series
Y Series
H Series

Deadbolts

D100 Series
D200 Series

Retrofit

RU Series

Cylinders and Key Systems

Exit Devices

24 Series
25 Series
17 Series
18 Series
19 Series
XX Series
1690/1790 Series
1590 Series
1490 Series
2390 Series
1990 Series
2090 Series

Closers

SC70 Series
SC80 Series
SC60 Series
SC90 Series
OHC100 Closers

Accessories