ALLEGION™

VON DUPRIN®

98/99 Series

Exit devices

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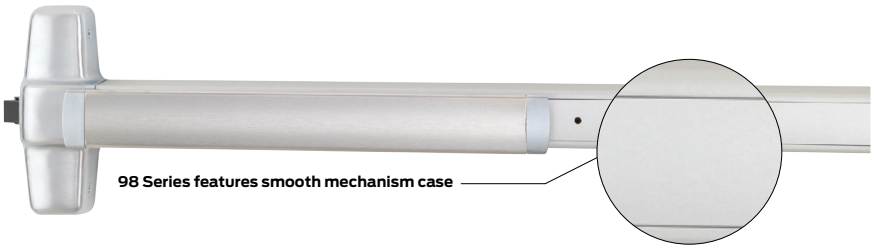
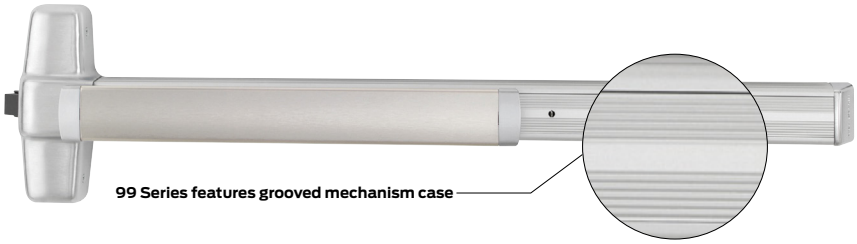
Engineered for value and performance

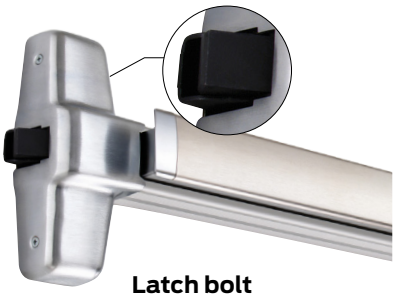
Von Duprin® empowers its customers to embrace change by providing flexible solutions that can be modified over time, protecting your investment well into the future. Von Duprin 98/99 Series push pad devices have a universal center case design that is unique to the industry and provides superior flexibility—from adding trim, switching handing or adding new retrofit options, you can configure numerous variations in the field without replacing your device.

Von Duprin's exit devices offer durable solutions that are proven in the field to perform under heavy use and abuse and backed by a team of experts experienced in door hardware application and code compliance. Allegion stands behind every Von Duprin product we make with unparalleled customer support thanks to our team of experts based in the U.S. that average more than 15 years of experience, so you are assured to receive expert advice.

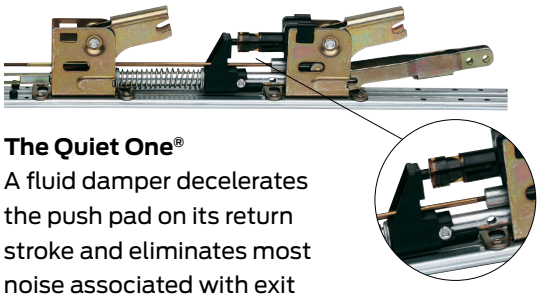




Von Duprin exit devices are available in two external surface styles, designated 98 and 99 Series.



Latch bolt
Deadlocking latch bolt provides security and improved performance at standard device cost.



The Quiet One®
A fluid damper decelerates the push pad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 98/99™ Series exit devices.

How to order

Nomenclature – how to order

Prefix	Device series/type		Trim/ rating		Suffix/ finish		Door width	Handing	Less bottom rod/cable	Trim options/ finish	Optional strike/finish	Accessories	Other information
1	2	3	4	5	6	7	8	9	10	11	12	13	14
QEL -	98 -	27 -	L -	F -	— -	626 -	3' -	RHR -	LBR -	996-06/626 -	499F -	SNB -	HM

Detail

1 Prefixes

None	Standard
AX	Accessible device
CD	Cylinder dogging - panic only
CDSI	Cylinder dogging with security indicator
CI	Cylinder dogging indicator
CD-CX	Chexit cylinder dogging
CX	Chexit
DI	Dogging indicator
E	Electric locking mortise/lever
ESL	Emergency secure lockdown
HDSI	Hex dogging with security indicator
HH	Wind and Impact
HW	Hurricane, Wind Only
LD	Less dogging
L-KC	Lever- Key Capture
LX	Latch bolt monitoring
LX-LC	Latch bolt monitoring, low current
LX-RX	Latch bolt monitoring, request to exit
LX-RX-LC	Latch bolt monitoring, request to exit low current
PL	Pullman latch
PN	Pneumatic latch retraction
QEL	Quiet electric latch retraction
QM	Quiet mechanical
RX	Request to exit
RX2	Double request to exit
RX-AUX	Request to exit, auxiliary
RX-LC	Request to exit, low current
SD	Special dogging -panic only
SS	Signal switch
WP-RX	Waterproof request to exit
WS-T	Windstorm (FEMA rated)
XP	Heavy protection - rim

2 Device series

98	Series 98-smooth
99	Series 99-grooved

3 Device type

None	Rim device
27	Surface mounted vertical rod device
47	Concealed vertical rod device
47WDC	Concealed vertical rod wood door device
48	Concealed vertical rod device
49	Concealed vertical cable device
50WDC	Concealed vertical cable wood door device
52	Rim device with remote trim input (pool exit hardware)
57	Three-point latch device
75	Mortise lock device

4 Trim functions

EO	For AD or CO locks, order the panic as Exit Only (EO)
DT	Dummy trim
EO	Exit only
HL	Hospital pull trim
K	Knob
K-BE	Knob - blank escutcheon
K-DT	Knob, rigid - dummy trim
K-NL	Knob, rigid - night latch
L	Lever (classroom)
L-BE	Lever - blank escutcheon
L-DT	Lever, rigid - dummy trim
L-KC	Lever- Key Capture
L-NL	Lever, rigid - night latch
NL	Night latch
NL-OP	Night latch cylinder assembly, optional pull
TL	Turn lever
TL-BE	Turn lever - blank escutcheon
TL-KC	Turn Lever - Key Capture
TP	Thumbpiece
TP-BE	Thumbpiece - blank escutcheon

5 Rating

F	Fire exit hardware
Blank	Panic exit hardware

6 Suffix

-2	Double cylinder (rim and mortise only)
-2SI	Double cylinder with security indicator (rim only)
CON	Connectors
WH	Weep holes

7 Finish

605	Bright Brass
606	Satin Brass
612	Satin Bronze
619	Satin Nickel
622/711	Matte Black/Matte Black, Anodized
625	Bright Chrome
626	Satin Chrome
626AM	Satin Chrome, Antimicrobial
628	Aluminum, Anodized
630	Satin Stainless
630AM	Satin Stainless, Antimicrobial
643e	Aged Bronze
693	Black Paint
710	Dark Brown, Anodized

8 Door width / Door thickness

3'	Standard default	1 3/4"	Standard
4'		2 1/4"	Optional
2'	Vertical only		

9 Handing

LHR	Left hand reverse
RHR	Right hand reverse

10 Less bottom rod/cable

LBR	Less bottom rod
LBL	Less bottom latch
LBR-AFL	LBR with fire pin
LBL-AFL	LBL with fire pin

11 Trim options/finish

06	Standard default (optional levers available)

12 Optional strike/finish

See optional strikes/finish for each device type

13 Accessories

CYL	Cylinder
GBK	Glass bead kit
SEC	Security screws
SLM	SLM blocking
SNB	Sex bolts

14 Other information

Touchbar options

BRAILLE	Vision impaired touchpad, raised letter, and braille
PUSH	Touchbar trim embossed 'PUSH'
RSS	Red silk-screened lettered touchbar trim
KN	Knurled touchbar
SG	Safety glow

Miscellaneous

CE	CE labeled
LCP	Less cover plate
IOWDA	#IOWDA cover plate

Door material

AL	Aluminum door
HM	Hollow metal
WD	Wood door
CP	Composite door
INS2	Insulclad - 1/2"
INS4	Insulclad - 1/4"

Door application

D	Double egress
P	Pair of doors
S	Single door

Note: Not all options are listed. See the specific device type pages for complete options available.

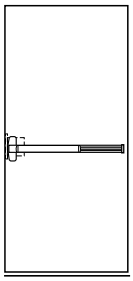
As the pioneer in the industry, Von Duprin continues to advance the industry through customer-centric innovation, which delivers solutions to the most challenging applications.

Backed by high quality standards, Von Duprin exit devices were among the first in the industry certified to ANSI/BHMA A156.3 Grade 1. Our exit devices are tested to the highest standards and proven in the field to perform under heavy use and abuse, giving you peace of mind both now and in the future.

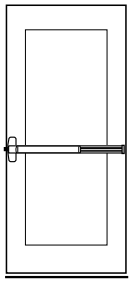
The versatile design can be easily upgraded to connect to a larger electronic ecosystem, empowering you to adapt with flexible solutions. You can configure numerous variations in the field without replacing your device and protecting your investment. This makes upgrades easy and cost-effective.

Popular applications

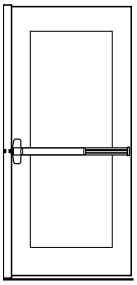
Single door applications



Single mortise lock device

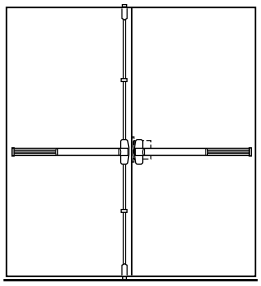


Single rim device

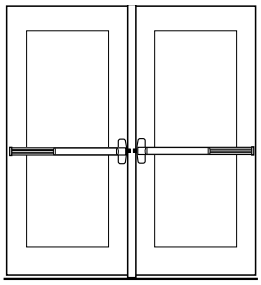


Single three-point latch device

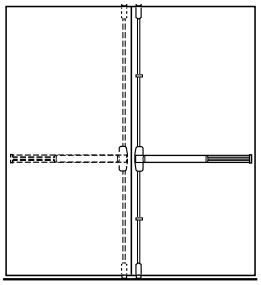
Double door applications



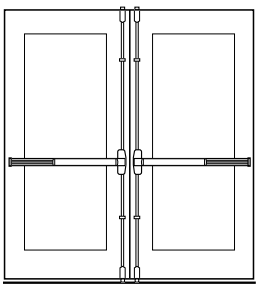
Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction



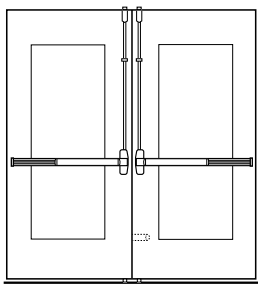
Two rim devices with mullion—same direction



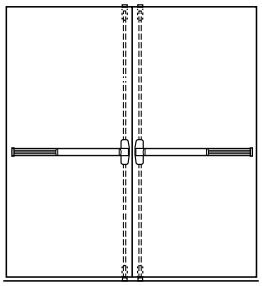
Two vertical rods—double egress Two surface/concealed rods or cables



Two surface mounted vertical rod devices—same direction*



Two fire exit hardware vertical cables/rods with auxiliary fire latch-LBR option*



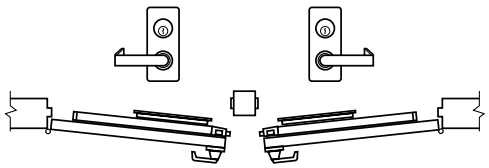
Two concealed vertical cables/rods*

* Do not use with overlapping astragals

Door handing

Left hand-reverse orientation

Right hand-reverse orientation



(Left hand-reverse) Outside (Right hand-reverse)

98/99 Rim exit device

98 and 99 rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). Covers stock hollow metal doors with 86 or 161 -2SI (double cylinder with security indicator) cutouts on single doors (may cover cutouts on pairs – consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm) 39 11/16" (1008mm) with mullion
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors (Optional 425 SNB available, see page 66 for quantities)

Accessories

299 Strike
Ships standard,
optional strikes available.

Hex key dogging
Comes standard on
98/99 rim exit devices.

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature
Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes
299 – Dull black

98-F/99-F Rim exit device

98-F and 99-F Rim fire exit devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL fire exit hardware label and door opening size information. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (Double cylinder with security indicator) or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm) 39 11/16" (1008mm) with mullion
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Finishes	605, 606, 612, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors; Optional 425 SNB available for metal doors; 425 and 825 SNB required on wood doors without SLM blocking (See page 66 for quantities)

Accessories

299F Strike
Ships standard, optional strikes available

499F Strike
With 9854/9954 mullion

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option
No mechanical dogging;
QEL options available

Strikes
299F – Dull black, 499F with mullions

XP98/99 Rim exit device

XP98/99 Rim exit devices are designed for single and double doors with mullion that require increased security. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. Devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for panic exit hardware. The rim device is non-handed except when the following device options are used: SD (special dogging) or -2 (double cylinder). Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4" to 3' (711mm to 914mm) door size 4' 2'10" to 4' (864mm to 1219mm) door size
Device centerline from finished floor	39 13/16" (1011mm) 39 11/16" (1008mm) with mullion
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors (Optional 425 SNB available, see page 66 for quantities)

Features and options

Electrified options

LX-LC	Latch bolt monitor switch, low current
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
AX	Accessible device
GBK	Glass bead kit
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

909 – Dull black

Accessories

909 Strike
Ships standard for single or double doors.

XP latch
Provides increased security with its two piece design.

Hex key dogging
Comes standard on 98/99 rim exit devices.

XP98-F/99-F Rim exit device

XP98/99 Rim fire exit devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL fire exit hardware label and door opening size information. These are designed for single and double doors with 9954-XP mullion that require increased security. The “smart” latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. The rim device is non-handed except when the following device option is used: -2 (double cylinder). Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm) 39 11/16" (1008mm) with mullion
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 and 825 SNB required on wood doors without SLM blocking (See page 66 for quantities)

Accessories

909 Strike
Ships standard for single doors.

XP latch
Provides increased security with its two piece design.

954 Strike
For fire rated double doors and 9954XP mullion.

Features and options

Electrified options

LX-LC	Latch bolt monitor switch, low current
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
AX	Accessible device
GBK	Glass bead kit
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option
No mechanical dogging;
QEL options available

Strikes
909 – Dull black, fire rated single doors
954 – Dull black, fire rated double doors

9875/9975 Mortise lock device

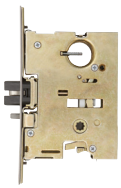
9875/9975 Mortise lock device for all types of single or double doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 Grade 1. Fits stock hollow metal doors with 86 cutout and door stiles as narrow as 4 3/4" (121mm). The 9875 device has a smooth mechanism case and the 9975 device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator) or SS (signal switch).

The 7500 Mortise lock is equipped with a 3/4" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Specifications

Device functions	Device ships setup for EO/DT/NL functions. Instructions show how to set up the device in the field for use with TP, K, and L classroom function trims.
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors. (Optional 425 SNB available, see page 66 for quantities)

Accessories



7500 Mortise lock

575 Strike

Hex key dogging
Comes standard on 9875/9975 mortise lock exit devices.

Features and options

Electrified options

RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature
Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes
575 – Dull black

9875-F/9975-F Mortise lock fire exit device

9875-F/9975-F Fire exit mortise lock devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL listed fire exit hardware label and door opening size information. Fits door stiles as narrow as 4 3/4" (121mm). The 9875-F device has a smooth mechanism case and the 9975-F device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator) or SS (signal switch) devices.

The 7500 Mortise lock is equipped with 3/4" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Specifications

Device functions	Device ships setup for EO/DT/NL functions. Instructions show how to set up the device in the field for use with TP, K, and L classroom function trims.
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 and 825 SNB required on wood doors without SLM blocking. (See page 66 for quantities)

Features and options

Electrified options

RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

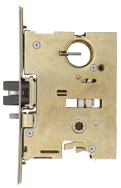
Dogging option

No mechanical dogging;
QEL options available

Strikes

575 – Dull black

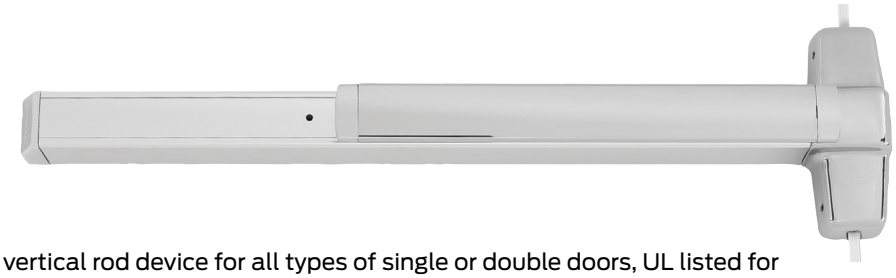
Accessories



7500 Mortise lock

575 Strike

9827/9927 Surface mounted vertical rod device



9827/9927 Surface mounted vertical rod device for all types of single or double doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9827 device has a smooth mechanism case and the 9927 device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SD (special dogging), SS (signal switch) or WS (tornado/hurricane). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw
Door undercut	1/4" (7mm) recommended
Top and bottom latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 15/16" (887mm); Bottom rod length: 31 1/2" (794mm). Extension rods available in 3' (914mm) for doors over 7'; One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. (Optional 425 SNB available)

Accessories

299
Top strike

Top latch

304L
Bottom strike

248L4
Bottom strike
For use with flat threshold

Bottom latch

Hex key dogging
Comes standard on 9827/9927 devices.

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
WH	Weep holes
WS	Tornado and hurricane tested

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 299 – Dull black
Bottom – 248L4 and 304L – Unfinished

9827-F/9927-F Surface mounted vertical rod fire device

9827-F/9927-F Fire exit surface mounted vertical rod device are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL fire exit hardware label and door opening size information. The 9827-F device has a smooth mechanism case and the 9927-F device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SS (signal switch), and WS (tornado/hurricane). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors. Rod and latch guards can be used on hollow metal or tin clad composite fire doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw
Door undercut	1/4" (7mm) recommended
Top and bottom latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 15/16" (887mm); Bottom rod length: 31 1/2" (794mm). Extension rods available in 3' (914mm) for doors over 7' One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch (Optional 425 SNB available)

Accessories

299F
Top strike

Top latch

304L
Bottom strike

499F
Top strike
LBR

Bottom latch

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device (LBR only)
GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes
WS	Tornado and hurricane tested

Dogging option

No mechanical dogging;
QEL options available

Strikes

Top – 299F –(499F LBR) Dull black
Bottom – 304L – Unfinished

9857/9957 Three-point latching device

9857/9957 Three-point latching device for all types of single or double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9857 device has a smooth mechanism case and the 9957 device has a grooved case. The three-point latching device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SD (special dogging), SS (signal switch), or WS (windstorm). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw; Deadlocking rim bolt, 3/4" (19mm) throw
Door undercut	1/4" (7mm) recommended
Top and bottom latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 15/16" (887mm); Bottom rod length: 31 1/2" (794mm). Extension rods available in 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes
WS	Tornado and hurricane tested

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top and middle – 299 – Dull black
Bottom – 248L4 and 304L – Unfinished

Accessories

299
Top and middle strike

Top latch

304L
Bottom strike

248L4
Bottom strike
For use with flat threshold

Bottom latch

Hex key dogging
Comes standard on 9857/9957 three point latching devices.

9857-F/9957-F Three-point latching fire exit device

9857-F/9957-F Fire exit three-point latching device are UL listed for fire exit hardware. See page 69 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 Grade 1. The 9857-F device has a smooth mechanism case and the 9957-F device has a grooved case. The three-point latch device is non-handed except when the following device option is used: -2 (double cylinder), -2SI (double cylinder with security indicator), SS (signal switch) or WS (windstorm). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864 mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw; Deadlocking rim bolt, 3/4" (19mm) throw
Door undercut	1/4" (7mm) recommended
Top and bottom Latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 15/16" (887mm); Bottom rod length: 31 1/2" (794mm). Extension rods available 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. (Optional 425 SNB available for metal doors; 825 SNB required on wood doors without SLM blocking)

Accessories

299F
Top and middle strike

Top latch

304L
Bottom strike

499F
Rim strike
For mullion applications

Bottom latch

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes
WS	Tornado and hurricane tested

Dogging option

No mechanical dogging;
QEL options available

Strikes

Top and middle – 299F – Dull black
Bottom – 304L – Unfinished

9847/9947 Concealed vertical rod device

9847/9947 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. These are certified to ANSI/BHMA A156.3 Grade 1. The 9847 device has a smooth mechanism case and the 9947 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm) Standard Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top and bottom bolt, 5/8" (16mm) throw
Door undercut	1/4" (7mm) recommended
Top and bottom latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 5/8" (905mm) to 49 5/8" (1260mm). Extension rod kits available for doors over 8'4" (2533mm).
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

Accessories

385A
Bottom strike

Hex key dogging
Comes standard on 9847/9947 concealed vertical rod devices

9847-F/9947-F Concealed vertical rod fire exit device

9847-F/9947-F Fire exit concealed vertical rod device are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL fire exit hardware label and door opening size information. The 9847-F device has a smooth mechanism case and the 9947-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: -2 (double cylinder), -2SI (double cylinder with security indicator), SS (signal switch) devices.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm) Standard Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top and bottom bolt, 5/8" (16mm) throw
Door undercut	1/4" (7mm) recommended
Top and bottom latch case	3 3/4" x 1 1/2" x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 5/8" (905mm) to 49 5/8" (1260mm) Extension rod kits available for doors over 8'4" (2533mm)
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
LBR	Less bottom rod
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option

No mechanical dogging;
QEL options available

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

9848/9948 Concealed vertical rod device

9848/9948 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. These are certified to ANSI/BHMA A156.3 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9848 device has a smooth mechanism case and the 9948 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm) Standard Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top bolt, 5/8" (16mm) throw Deadlocking bottom bolt, 1 1/2" (38mm) throw
Door undercut	3/4" (19mm) maximum, more than 1/4" minimum
Top and bottom latch case	4 1/4" x 1 1/2" x 1 1/8" (107mm x 38mm x 28mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 5/8" (905 mm) to 49 5/8" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

Hex key dogging
Comes standard on 9847/9947 concealed vertical rod devices

9848-F/9948-F Concealed vertical rod fire exit device

9848-F/9948-F Concealed vertical rod device are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL listed fire exit hardware label and door opening size information. The 9848-F device has a smooth mechanism case and the 9948-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: -2 (double cylinder), -2SI (double cylinder with security indicator), SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006mm) Standard Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top bolt, 5/8" (16mm) throw Deadlocking bottom bolt, 1 1/2" (38mm) throw
Door undercut	3/4" (19mm) maximum, more than 1/4" minimum
Top and bottom Latch case	4 1/4" x 1 1/2" x 1 1/8" (107mm x 38mm x 28mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 5/8" (905mm) to 49 5/8" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal doors. (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option

No mechanical dogging;
QEL options available

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

9849/9949 Concealed vertical cable device

9849/9949 Concealed vertical cable device for use on single or double metal doors, UL listed for panic exit hardware. These are certified to ANSI/BHMA A156.3 Grade 1. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top and bottom bolt, 1/2" (13mm) throw
Door undercut	3/4" (19mm) maximum (24231516 spacer block kit needed for 3/4" undercut)
Top and bottom latch case	5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm)
Vertical cable	7/32" (6mm) Diameter stainless steel cables
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging option

No mechanical dogging;
QEL options available

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 249 – Unfinished
Bottom – 349 – Unfinished

*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.

9849/9949 Concealed vertical cable device

Accessories

249 Top strike

349 Bottom strike

338 Filler plate
(retrofit bracket)

Top latch

Center slide

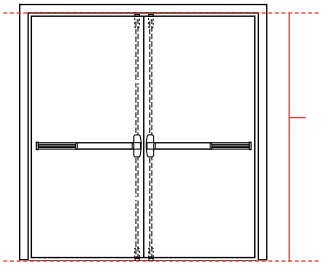
Bottom latch

Cable detail

Hex key dogging
Comes standard on 9849/9949 concealed vertical cable devices

Nominal door opening height		Top cable part number	Bottom cable part number
72" - 82"	6'0" - 6'10"	47250398	47250403
***82" - 96"**	***6'10" - 8'**	**47250175**	**47250178**
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'0" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height
is distance from bottom of frame header to finished floor.

See table on left for standard offering.

9849-F/9949-F Concealed vertical cable fire exit device

98/9949-F Concealed vertical cable devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL listed fire exit hardware label and door opening size information. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm) Standard
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw
Door undercut	3/4" (19mm) maximum (24231516 spacer block kit needed for 3/4" undercut)
Top and bottom Latch case	5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm)
Vertical cable	7/32" (6mm) Diameter stainless steel cables
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 249 – Unfinished
Bottom – 349 – Unfinished

*For 98/9949 devices, LX switch monitors trim input or electrified dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.

9849-F/9949-F Concealed vertical cable fire exit device

Accessories

249 Top strike

349 Bottom strike

338 Filler plate
(retrofit bracket)

Top latch

Center slide

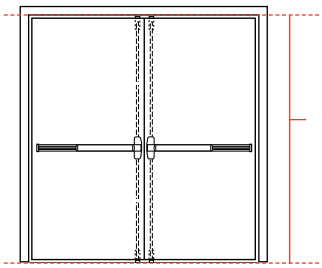
Bottom latch

Cable detail

Hex key dogging
Comes standard on 9849/9949 concealed vertical cable devices

Nominal door opening height		Top cable part number	Bottom cable part number
72" - 82"	6'0" - 6'10"	47250398	47250403
***82" - 96"**	***6'10" - 8'**	**47250175**	**47250178**
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'0" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height
is distance from bottom of frame header to finished floor.

See table on left for standard offering.

9847WDC/9947WDC Wood door concealed vertical rod device

9847WDC/9947WDC Concealed vertical rod device for use on single or double wood doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 Grade 1. The 9847WDC device has a smooth mechanism case and the 9947WDC device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006mm) Standard Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top bolt, 5/8" (16mm) throw
Door undercut	1/4" (7mm) maximum
Top and bottom Latch case	3 3/4" x 1 1/2" x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 5/8" (905mm) to 49 5/8" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Scalp plate[1]	Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods
Finishes	605, 606, 612, 625, 626, 628 and 710 (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick wood doors. (425 SNB required on wood doors without SLM blocking)

1. Do not use on pair of doors with 9875/9975.

Accessories

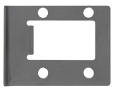
338 Top strike

Top latch

Bottom latch

385A Bottom strike

283 Top strike
For use with wood frames



Hex key dogging
Comes standard on 9847/9947 wood door concealed vertical rod devices

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 338 – Unfinished
Bottom – 358A – Unfinished

9847WDC-F/9947WDC-F Wood door concealed vertical rod fire device

9847WDC-F/9947WDC-F Fire exit concealed vertical rod devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL listed fire exit hardware label and door opening size information. The 9847WDC-F device has a smooth mechanism case and the 9947WDC-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: -2 (double cylinder), -2SI (double cylinder with security indicator), SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 5/8" (1006 mm) Standard
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking top and bottom bolt, 5/8" (16mm) throw
Door undercut	1/4" (7mm) maximum
Top and bottom Latch case	3 3/4" x 1 1/2" x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 5/8" (905 mm) to 49 5/8" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Scalp plate[1]	Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods
Finishes	605, 606, 612, 625, 626, 628, 710 (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick wood doors. (425 SNB required on wood doors without SLM blocking)

1. Do not use on pair of doors with 9875-F/9975-F.

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging option

No mechanical dogging;
QEL options available

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

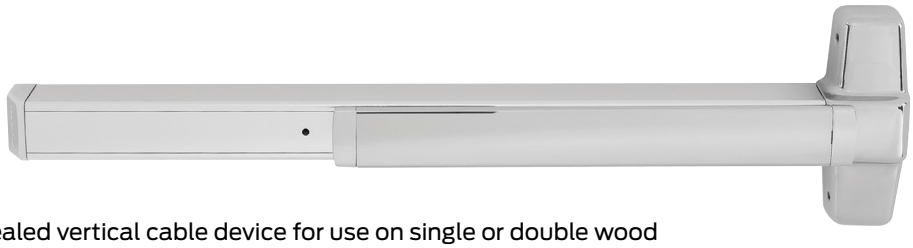
338
Top strike

Top latch

Bottom latch

385A
Bottom strike

9850WDC/9950WDC Wood door concealed vertical cable device



9850WDC/9950WDC Concealed vertical cable device for use on single or double wood doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 Grade 1. The 9850WDC device has a smooth mechanism case and the 9950WDC device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to1219 mm) Door size
Device centerline from finished floor	39 5/8" (1006mm) Standard
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top and bottom bolt. 1 1/2" (38mm) throw
Door undercut	3/4" (19mm) maximum
Top and bottom Latch case	5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm)
Vertical cables	7/32" (6mm) Diameter stainless steel cables
Scalp plate[1]	Device is furnished standard with a 15" (381mm) long scalp plate for easy access to cables
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick wood doors.

1. Do not use on pair of doors with 9975 devices.

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
RX996L	Trim monitor switch
RX-LC	Request to exit low current
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 150 – Unfinished
Bottom – 450 – Unfinished

*For 98/9950WDC devices, LX switch monitors trim input or electrified dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.

9850WDC/9950WDC Wood door concealed vertical cable device

Accessories

150 Top strike

Top latch

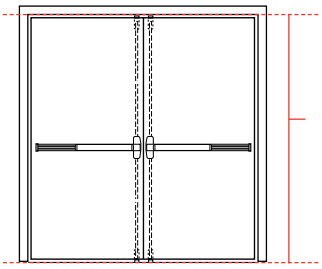
Hex key dogging
Comes standard on 9850/9950 concealed vertical cable devices

450 Bottom strike

Center slide

338 Filler plate
(retrofit bracket)

Bottom latch



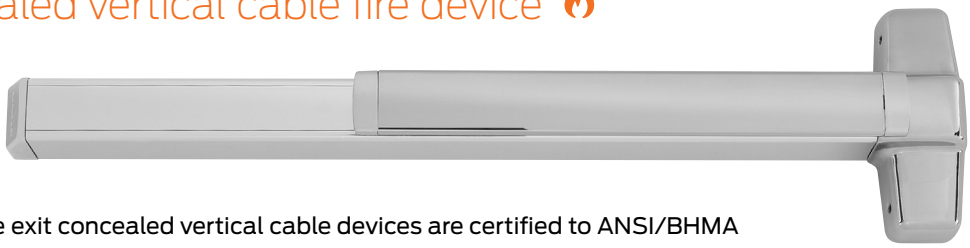
Door opening height
is measured from finished floor to frame rabbet on door side.

See table for standard offering.

Standard door opening height	
Feet	Cable tolerance
6'8" - 7'	72" - 84"
7'1" - 8'	85" - 96"
8'1" - 9'	97" - 108"
9'1" - 10'	109" - 120"

Note: Non-standard sizes available with extended lead time.
Consult Customer Care for more information 1-877-671-7011.

9850WDC-F/9950WDC-F
Wood door concealed vertical cable fire device



9850WDC-F/9950WDC-F Fire exit concealed vertical cable devices are certified to ANSI/BHMA A156.3 Grade 1 and UL listed for fire exit hardware. See page 69 for detailed information on UL listed fire exit hardware label and door opening size information. The 9850WDC-F device has a smooth mechanism case and the 9950WDC-F device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 5/8" (1006mm) Standard
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking top and bottom bolt, 1 1/2" (38mm) throw
Door undercut	3/4" (19mm) maximum
Top and bottom Latch case	5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm)
Vertical cables	7/32" (6mm) Diameter stainless steel cables
Scalp plate[1]	Device is furnished standard with a 15" (381mm) long scalp plate for easy access to cables
Finishes	US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM, US28, 313, 315 and 643e (US15 and US32D available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick wood doors

1. Do not use on pair of doors with 9975 devices.

Accessories

150 Top strike

450 Bottom strike

Top latch

Center slide

Bottom latch

338 Filler plate
(retrofit bracket)

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
RX996L	Trim monitor switch
RX-LC	Request to exit low current
ESL	Emergency secure lockdown
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

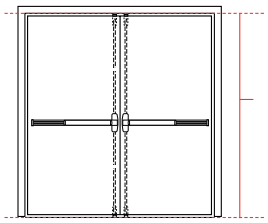
Dogging option

No mechanical dogging;
QEL options available

Strikes

Top – 150 – Unfinished
Bottom – 450 – Unfinished

*For 98/9950 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.



Door opening height
is measured from finished floor to frame rabbet on door side.

See table for standard offering.

Standard door opening height

Feet	Cable tolerance
6'8" - 7'	72" - 84"
7'1" - 8'	85" - 96"
8'1" - 9'	97" - 108"
9'1" - 10'	109" - 120"

Note: Non-standard sizes available with extended lead time.
Consult Customer Care for more information 1-877-671-7011.

98/9952 Rim with remote trim input (pool exit hardware)

Openings beyond the interior often have additional functional requirements that go beyond the limits of standard door hardware. Von Duprin offers the safety of panic hardware for pool enclosures, tested to withstand corrosive cleaners typically used in outdoor pool environments. Both the device and trim are built with weather resistant components that can withstand the harsh conditions of various climates. Understanding that hardware solutions need to be flexible and configurable, the Von Duprin 98/9952 with 252L trim is designed to meet the very specific needs of outdoor pool areas.

Engineered to be installed easily, the 98/9952 device can be mounted within the required range by the model codes and accessibility standards, while the 252L trim is mounted at least 54" from finished floor or concrete. Gate poles must have at least 3" stile width by 2" depth for ideal installation.

Compliance

- Listed with UL for panic exit hardware (UL 305)
- Certified to ANSI/BHMA A156.3 Grade 1
- Meets International Building Code for pool enclosures
- Compliant with the 2010 ADA Standards for Accessible Design

Features and benefits

- Patent-pending design built to meet code requirements for pool enclosures
- Weather-resistant components ideal for pool gate applications
- Easy installation and maintenance
- Simple to operate
- UL listed for panic exit hardware (UL305)

Specifications

Device functions	EO, L, L-BE
Dogging	LD – Less dogging
Device lengths	3' , 4'
Center case	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Latch bolt	Deadlocking 3/4" (19mm) throw
Trims	252-L, 252-LBE
Strike	699 roller strike
Finishes	626, 710
Options	WH – Weep holes

Accessories

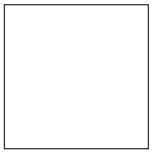
699 Roller strike

Trim functions

Von Duprin protects your investment by empowering you to adapt with flexible solutions and modular options. The 98/99 Series features numerous trim options to serve your different needs. Designed with flexibility in mind, our solutions offer ease of adding new options as they are developed.

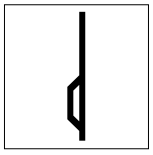
With Von Duprin, you can be confident that as the needs of your facility change, our products can be upgraded easily to meet your needs, especially as the mechanical and electronic technology converge. Von Duprin's versatile design enables you to add functionality to existing devices in a cost-effective way, protecting your investment well into the future.

A variety of device trim lock type functions such as key lock and unlock, latch bolt retraction with key and no cylinder designs for an "always operable" function are available in levers, knobs, latches, thumbpiece and thumbturn designs.



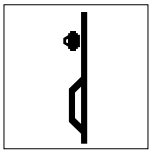
EO **No outside trim**

- Exit only



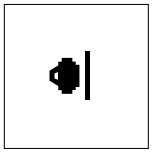
DT **Dummy trim**

- Pull when dogged (not recommended for fire device)



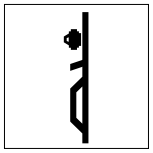
NL **Night latch**

- Key retracts latchbolt
- Rim and 1 ¼" mortise cylinder



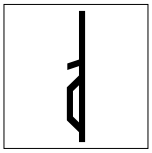
NLOP **Night latch**

- Key retracts latchbolt, pull required



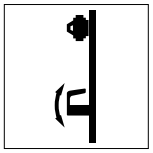
TP **Thumbpiece**

- Key locks and unlocks
- Rim and 1 ¼" mortise cylinder



TPBE **Thumbpiece, blank escutcheon**

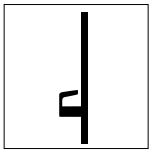
- Blank escutcheon always operable (no cylinder, use with DT trim)



L **Lever**

K **Knob**

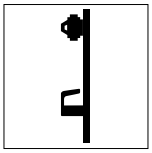
- Key locks and unlocks
- Rim and 1 ¼" mortise cylinder
- Handed, reversible lever
- Electrified lever operation available



LDT **Lever, dummy trim**

KDT **Knob, dummy trim**

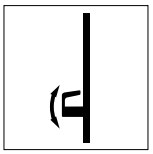
- Pull when dogged



LNL **Lever, night latch**

KNL **Knob, night latch**

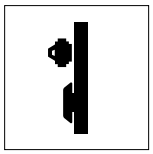
- Key retracts latchbolt
- Rim and 1 ¼" mortise cylinder
- Handed, reversible lever



LBE[1] **Lever, blank escutcheon**

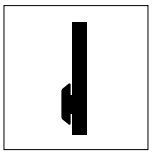
KBE **Knob, blank escutcheon**

- Always operable (no cylinder)



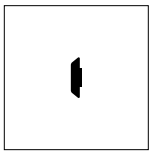
TL **Turn lever**

- Key locks and unlocks (use with DT trim)
- 1 ¼" mortise cylinder

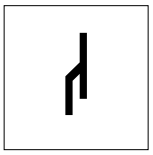


TLBE **Turn lever, blank escutcheon**

- Blank escutcheon always operable (no cylinder, use with DT trim)



TLOP **Turn lever, optional pull**



HL **Hospital latch**

- Key locks and unlocks
- 1 ¼" mortise cylinder

No trim

Trim description		
Nomenclature	EO	110NL-MD 110NL-WD
Trim function	No outside trim	Night latch optional pull
Function description	Exit only	Key retracts latch bolt, optional pull required
ANSI function	01	03
Device compatibility		
98/99/ XP98/XP99 Rim	■	■
98/99/ XP98/XP99 Rim-F	■	■
98/9927/27-F	■	■
98/9947/47-F	■	■
98/9947WDC/WDC-F	■	■
98/9948/48-F	■	■
98/9949/49-F	■	■
98/9950WDC/50WDC-F	■	■
98/9952†	■	
98/9957/57-F	■	■
98/9975/75-F	■	
Dimensions		
Escutcheon plate size	—	—
Pull center to center	—	—
Projection	—	—
Handing		
	—	—
Cylinder type		
Rim or vertical device	—	Rim
Mortise lock device	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

996 trim

Trim description						
Nomenclature	996EO	996L*	996L-NL*	996L-BE*	996L-DT	996L-KC
Trim function	Exit only plate	Lever	Lever-night latch	Lever-blank escutcheon	Lever-dummy trim	Lever - Key capture
Function description	Exit only plate	Key locks and unlocks	Key retracts latch bolt	Always operable, no cylinder	Pull when dogged	Key unlocks, lever retracts latch bolt
ANSI function	01	08	03	14	02	09
Device compatibility						
98/99 Rim/Rim-F	■	■	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■	■	■
98/9927/27-F	■	■	■	■	■	■
98/9947/47-F	■	■	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■	■	■
98/9948/48-F	■	■	■	■	■	■
98/9949/49-F	■	■	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■	■	■
98/9952†	†	†	†	†	†	
98/9957/57-F	■	■	■	■	■	■
98/9975/75-F	■	■	■	■	■	
Dimensions						
Escutcheon plate size	2 3/4" x 10 3/4" x 27/32" (70 x 273 x 21mm)					
Pull center to center	—	—	—	—	—	
Projection	—	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)	
Handing						
	—	Handed/ reversible	Handed/ reversible	Handed/reversible	Handed/reversible	
Cylinder type						
Rim or vertical device	—	Rim	Rim	—	—	
Mortise lock device	—	1 1/4" mortise	1 1/4" mortise	—	—	

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 996L-R/V or 996L-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

Note: Projection may vary depending on the lever design selected

See lever designs on page 72 to determine if the lever is field reversible

Specify M996 for electronic locking and unlocking. See electrified options Page 59 for more information.

996 trim

Trim description				
Nomenclature	996K*	996K-NL*	996K-BE*	996K-DT
Trim function	Knob	Knob-night latch	Knob- blank escutcheon	Knob - dummy trim
Function description	Key locks and unlocks	Key retracts latch bolt	Always operable, no cylinder	Pull when dogged
ANSI function	08	03	14	02
Device compatibility				
98/99/ XP98/XP99 Rim	■	■	■	■
98/99/ XP98/XP99 Rim-F	■	■	■	■
98/9927/27-F	■	■	■	■
98/9947/47-F	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■
98/9948/48-F	■	■	■	■
98/9949/49-F	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■
98/9952†				
98/9957/57-F	■	■	■	■
98/9975/75-F	■	■	■	■
Dimensions				
Escutcheon plate size	2 3/4" x 10 3/4" x 27/32" (70 x 273 x 21mm)			
Pull center to center	—	—	—	—
Projection	3 1/4" (83mm)	3 1/4" (83mm)	3 1/4" (83mm)	3 1/4" (83mm)
Handing				
	—	—	—	—
Cylinder type				
Rim or vertical device	Rim	Rim	—	—
Mortise lock device	1 1/4" mortise	1 1/4" mortise	—	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 996K-R/V or 996K-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

990 trim

Trim description					
Nomenclature	990EO	990DT	990NL*	990TP*	990TP-BE*
Trim function	Exit only plate	Dummy trim	Night latch	Thumbpiece	Thumbpiece blank escutcheon
Function description	Exit only plate	Pull when dogged	Key retracts latch bolt	Key locks and unlocks	Always operable, no cylinder
ANSI function	01	02	03	05	15
Device compatibility					
98/99 Rim/Rim-F	■	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■	■
98/9927/27-F	■	■	■	■	■
98/9947/47-F	■	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■	■
98/9948/48-F	■	■	■	■	■
98/9949/49-F	■	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■	■
98/9952†					
98/9957/57-F	■	■	■	■	■
98/9975/75-F	■	■	■	■	■
Dimensions					
Escutcheon plate size	3" x 14 3/16" x 3/32" (76 x 360 x 2mm)				
Pull center to center	—	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)
Projection	—	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)
Handing					
	—	—	—	—	—
Cylinder type					
Rim or vertical device	—	—	Rim	Rim	—
Mortise lock device	—	—	1 1/4" mortise	1 1/4" mortise	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 990NL-R/V or 990NL-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

696 trim

Trim description				
Nomenclature	696DT	696NL*	696TP*	696TP-BE*
Trim function	Dummy trim	Night latch	Thumbpiece	Thumbpiece blank escutcheon
Function description	Pull when dogged	Key retracts latch bolt	Key locks and unlocks	Always operable, no cylinder
ANSI function	02	03	05	15
Device compatibility				
98/99/ XP98/XP99 Rim	■	■	■	■
98/99/ XP98/XP99 Rim-F	■	■	■	■
98/9927/27-F	■	■	■	■
98/9947/47-F	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■
98/9948/48-F	■	■	■	■
98/9949/49-F	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■
98/9952†				
98/9957/57-F	■	■	■	■
98/9975/75-F	■	■	■	■
Dimensions				
Escutcheon plate size	1 5/8" x 13 1/2" x 3/16" (41 x 343 x 5mm)			
Pull center to center	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)
Projection	2 1/6" (52mm)	2 1/6" (52mm)	2 1/6" (52mm)	2 1/6" (52mm)
Handing				
	—	—	—	—
Cylinder type				
Rim or vertical device	—	Rim	Rim	—
Mortise lock device	—	1 1/4" mortise	1 1/4" mortise	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 696NL-R/V or 696NL-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

697 trim

Trim description				
Nomenclature	697DT	697NL*	697TP*	697TP-BE*
Trim function	Dummy trim	Night latch	Thumbpiece	Thumbpiece blank escutcheon
Function description	Pull when dogged	Key retracts latch bolt	Key locks and unlocks	Always operable, no cylinder
ANSI function	02	03	05	15
Device compatibility				
98/99 Rim/Rim-F	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■
98/9927/27-F	■	■	■	■
98/9947/47-F	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■
98/9948/48-F	■	■	■	■
98/9949/49-F	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■
98/9952†				
98/9957/57-F	■	■	■	■
98/9975/75-F	■	■	■	■
Dimensions				
Escutcheon plate size	1 5/8" x 13 1/2" x 3/16" (41 x 343 x 5mm)			
Pull center to center	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)
Projection	3" (76mm)	3" (76mm)	3" (76mm)	3" (76mm)
Handing				
	—	—	—	—
Cylinder type				
Rim or vertical device	—	Rim	Rim	—
Mortise lock device	—	1 1/4" mortise	1 1/4" mortise	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 697NL-R/V or 697NL-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

374 Control x DT and 376 Control x DT trim

Trim description	374 Control x DT			376 Control x DT		
Nomenclature	374T x 990DT	374T-BE x 990DT	374T-NL x 990DT	376T x 990DT	376T-BE x 990DT	376T-NL x 990DT
Trim function	Thumbturn	Thumbturn - blank escucheon	Thumbturn - night latch	Thumbturn	Thumbturn - blank escucheon	Thumbturn - night latch
Function description	Key locks and unlocks, use with DT trim	Always operable, no cylinder, use with DT trim	Insert key to unlock, remove key to lock	Key locks and unlocks, use with DT trim	Always operable, no cylinder, use with DT trim	Insert key to unlock, remove key to lock
ANSI function	11	16	12	11	16	12
Device compatibility						
98/99/ XP98/XP99 Rim						
98/99/ XP98/XP99 Rim-F						
98/9927/27-F	■	■	■			
98/9947/47-F				■	■	■
98/9947WDC/WDC-F						
98/9948/48-F				■	■	■
98/9949/49-F						
98/9950WDC/50WDC-F						
98/9952†						
98/9957/57-F	■	■	■			
98/9975/75-F						
Dimensions						
Escutcheon plate size	TL: 1 11/16" x 7 1/2" x 7/8" (43 x 191 x 22mm)					
	DT: 3" x 14 3/16" x 3/32" (76 x 360 x 2mm)					
Pull center to center	—	—	—	—	—	—
Projection	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)
Handing						
	—	—	—	—	—	—
Cylinder type						
Rim or vertical device	1 1/4" mortise	—	1 1/4" mortise	1 1/4" mortise	—	1 1/4" mortise
Mortise lock device	—	—	—	—	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

376 T-WDC Control x DT and 252 trim

Trim description	376 T-WDC Control x DT			252 Trim	
Nomenclature	376T-WDC x 990DT	376TWDC-BE x 990DT	376TWDC-NL x 990DT	252L	252L-BE
Trim function	Thumbturn	Thumbturn - blank escucheon	Thumbturn - night latch	Lever	Lever - blank escutcheon
Function description	Key locks and unlocks, use with DT trim	Always operable, no cylinder, use with DT trim	Insert key to unlock, remove key to lock	Key locks and unlocks	Always operable, no cylinder
ANSI function	11 or 12	16	04	08	14
Device compatibility					
98/99 Rim/Rim-F					
XP98/XP99 Rim/Rim-F					
98/9927/27-F					
98/9947/47-F					
98/9947WDC/WDC-F	■	■	■		
98/9948/48-F					
98/9949/49-F					
98/9950WDC/50WDC-F					
98/9952†				■	■
98/9957/57-F					
98/9975/75-F					
Dimensions					
Escutcheon plate size	TL: 1 11/16" x 7 1/2" x 7/8" (43 x 191 x 22mm) DT: 3" x 14 3/16" x 3/32" (76 x 360 x 2mm)			3" x 6 3/8" x 15/16" (76 x 162 x 24mm)	
Pull center to center	—	—	—	Handed/reversible	
Projection	—	2" (51mm)	2" (51mm)	2 5/8" (67mm)	2 5/8" (67mm)
Handing					
	—	—	—	—	—
Cylinder type					
Rim or vertical device	1 1/4" mortise	—	1 1/4" mortise	1 1/4" mortise	—
Mortise lock device	—	—	—	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

Optional trim

Schlage® HL6 quiet hospital push/pull latch

Von Duprin and Schlage® have collaborated on an exit device trim that provides both accessibility and performance. In combination, the 98/9975 mortise lock device along with the newly designed Schlage HL6 quiet hospital push/pull latch delivers an exit device with mortise lock durability that utilizes an easy to use, ADA compliant push/pull trim. The HL6 is now 50% quieter through dampened paddle action, reducing the noise associated with lock operation providing healthcare organizations a reliable solution for noise reduction initiatives. The 98/9975HL device is available in most standard architectural finishes, including antimicrobial options. Consult the HL Series catalog or data sheet for complete product information.

392-7 Offset pull

The 392-7 Offset pull is ¾" round stainless steel, with a 7" center to center which matches the 98/99 center case. Often used with a night latch operation. 3 ½" (89mm) offset with 1 ½" (38mm) clearance.

Order Exit device as Exit Only (EO) or Night Latch - Omit Pull (NLOP) and order pull as a separate line item.

Vandal resistant trim: Ives VR910 and VR914 Series

VR910 black grip for softer touch and resilience to temperature extremes. VR914 grip in all stainless steel. Grip designed for comfortable operation.

Features

- Stainless steel construction, 11 gauge (0.120" thick); 630 finish only
- Thru-bolts and rugged mounting screws for maximum fastening strength
- Built-in lock protector prevents vandalism to mortise latch bolt (available on certain models)
- Extra-tough stainless steel cylinder collar prevents pipe wrench or similar tool from damaging cylinder; tapered design prevents side impacts from transferring directly to cylinder; collar spins freely.
- Furnished with mounting screws for door thicknesses of 1¾" to 2¼"
- 1½" (38mm) clearence from grip to door, total projection 1⅞" (48mm)
- Consult the Ives catalog for more information

Order the exit device Exit Only (EO) and the VR trim separatly from Ives.

Model	For use with	Size
VR910DT and VR914DT	98/99 Rim or vertical rod device	5 ½" x 11" (133mm x 279mm)
VR910NL and VR914NL	98/99 Rim or vertical rod device	5 ½" x 11" (133mm x 279mm)
VR910M-DT and VR914M-DT	9875/9975 Mortise device	7 ¼" x 11" (184mm x 279mm)
VR910M-NL and VR914M-NL (handing required)	9875/9975 Mortise device	7 ¼" x 11" (184mm x 279mm)

Electronic locks from Schlage

AD Series

The AD Series was designed to be the right choice for today, and is ready to adapt to whatever the future holds.

There are a variety of options that allow you to select the AD Series electronic lock that's right for you, and a wide selection of features that can be configured in the field to further customize each opening. When your needs change in the future, the innovative modular design of the AD Series allows you to easily upgrade the credential reader or networking option, and adapt to emerging technologies using your existing chassis – all without taking the lock off the door. This means that you can be confident that your choice of the AD Series is right for today, and that your investment will be protected into the future.

Credential reader options

AD Series electronic locks are compatible with many different credential types.

- Multi-technology (reads 125 kHz prox and 13.56 MHz smart)
- Smart - iClass compatible
  + KEYPAD
- Magnetic stripe (insertion)
  + KEYPAD
- Magnetic stripe (swipe)
  + KEYPAD
- Keypad

Communication options

Networked

In facilities where increased monitoring and control are needed, a networked solution is essential. The AD Series networked options feature:

- Open architecture platform
- Reliable 900 MHz communicationon wireless locks
- Real-time monitoring

The AD Series networked lock is available in either a wireless or hardwired configuration to fit your application needs.

- **AD-300** Networked hardwired locks
- **AD-302** Networked hardwired FIPS 201-2 integration-ready locks
- **AD-400** Networked wireless locks
- **AD-402** Networked wireless FIPS 201-2 integration-ready locks

Standalone

Standalone locks are a cost-effective solution for doors that do not require real-time monitoring. The AD Series standalone solution provides:

- Option for future upgrade to networked wireless
- Improved credential management
- Audit trail reports

Schlage offers two AD Series standalone solutions to fit your environment:

- **AD-200** Access rights are stored on the lock
- **AD-250** Access rights are stored on the magnetic stripe credential

Chassis

- Cylindrical
- Mortise
- Mortise deadbolt
- Exit trim[1]

Locking functions[2]

- Classroom/storeroom
- Office
- Privacy
- Apartment

Certifications

- ANSI/BMHA A156.25
- ANSI/BHMA Grade 1
- UL 294 listed
- UL 10C
- ADA
- FCC part 15
- RoHS

Complete your system

Complete your AD Series system with readers, credentials, system components, and other wireless accessories.

1. See AD Series exit trim compatibility data sheet for complete list of compatability by manufacturer.
2. Lock function capability varies depending on Physical Access Control Software (PACS) OEM integration design.

CO Series

In the world of standalone electronic locks, CO Series offers simple solutions for access control. These easy-to-use, versatile locks can be applied anywhere there is a need to control access without distributing keys. The popular CO-100 is a simple lock that momentarily unlocks with a valid PIN code entry. It can be used indoors or out and allows administrators a variety of command options. The Series also includes CO-200, the CO-220 classroom lock, and the CO-250. These computer programmable locks can provide audit trails and feature dual credential options (card+PIN) that provide an even greater level of security.

Compatibility

The CO Series offers a wide range of applications and can be used alongside other Schlage electronic locks. They feature expanded cylinder, exit device, and credential compatibility.

Electronic locks from Schlage

Exit device compatibility[1]

	Rim	SVR[2]	CVR/CVC	Mortise
Von Duprin 98/99 and 98/99 XP	✔	✔	✔	✔
Von Duprin 22/22F	✔	✔		
Falcon 25	✔			

1. See CO Series exit trim compatibility datasheet for complete list of compatability by manufacturer.
2. CO-220 is not compatible with surface vertical rod (SVR) devices.

Note: Exit device must be ordered as Exit Only (EO).

Credential compatibility

The CO Series is compatible with many different credential types. For customers with an installed base of iButtons®, a combo proximity keyfob with iButton option is available to make an easy transition to proximity technology.

Class

CO-100
- Manually programmable
- Keypad only
- User rights stored on the lock
- Remote release, outdoor use and occupancy indication options

CO-200
- Computer or manually programmable
- Keypad, magnetic stripe (+PIN), proximity (+PIN)
- User rights stored on the lock
- Ability to provide schedules and audits

CO-220
- Computer or manually programmable
- Keypad, magnetic stripe (+PIN), proximity (+PIN)
- User rights stored on the lock
- Ability to provide schedules and audits
- Classroom lockdown function via fob

CO-250
- Computer programmable
- User rights stored on the card

Chassis
- Cylindrical
- Mortise
- Mortise deadbolt
- Exit trim

Functions
- Classroom/storeroom
- Office
- Privacy

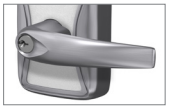
Power
- 4 standard (AA) batteries

Reliability

When it comes to securing your facility, you can't afford to take chances. CO Series locks are tested to the highest quality and reliability standards in the industry, including:
- ANSI/BHMA A156.25 and ANSI/BHMA Grade 1
- UL 294
- UL 10C
- ADA

Lever styles and finishes for AD and CO Series

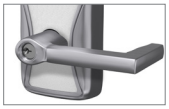
Lever options


Athens

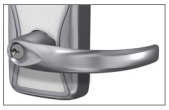
Boardwalk

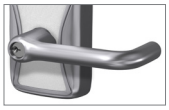
Broadway

Latitude


Longitude

Rhodes


Sparta


Tubular

Finish options							
Color	Bright brass	Satin brass	Satin bronze	Satin nickel	Bright chrome	Satin chrome	Aged bronze
ANSI/BHMA number	605	606	612	619	625	626/626AM	643e

Dogging options

Cylinder dogging (CD)

Cylinder dogging is available on all 98/99 Panic exit devices to replace the standard hex key dogging. Unit requires a standard 1 1/4" (32mm) mortise cylinder with an inverted straight cam. When ordering, reference Schlage cylinder 20-001, 1 1/4", XQ11-949. This provides the L583-477 cam inverted at the factory.

To order, specify: Use prefix, CD, example CD99L

Less dogging (LD)

Less dogging is available in all 98/99 Panic exit devices to remove the dogging option.

To order, specify: Use prefix LD, example LD99L

Special center case dogging (SD)

Special cylinder dogging in the center case is available for Chexit, QEL, ALK panic devices to allow for mechanical push/pull operation. With this option, the latch bolt is held retracted and pushbar is still operable. Specify handing—RHR or LHR.

SD requires 1 1/4" (32mm) mortise cylinder with an inverted straight cam. When ordering, reference Schlage cylinder 20-001, 1 1/4", XQ11-949. This provides the L583-477 cam inverted at the factory.

Note: Available on rim and vertical panic exit devices only.

To order, specify:

1. Prefix SD, example SD99L and Handing.
2. Not for 98/9975 Devices.

Cylinder dogging kit* (CDK)

For field conversion, from hex key dogging, conversion kit is available.

To order, specify: 99CDK or 98CDK, specify finish.

*Cannot be added to fire exit hardware.

Hex key dogging kit* (HDK)

For field conversion, from cylinder dogging, conversion kit is available.

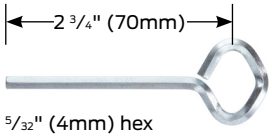
To order, specify: 99HDK or 98HDK, specify finish.

*Cannot be added to fire exit hardware.

Dog keys

Dog key (old style)

Dog key (standard)



Dogging indicator (CI/DI)

- Red indicator light blinks every 5 seconds when not dogged, visible from over 75 feet away
- Available in a hex or cylinder dogging format
- Designed for battery life over one year
- Available as a factory option or field retrofit kit
- Designed for device with mechanical dogging built after 1997

To order, specify:

As device option:

1. DI99EO 3' 630 (hex dogging)
2. CI98EO 4' 628 (cylinder dogging)

As retrofit kit:

1. DI Retrofit Kit 3' 662 (hex dogging)
2. CI Retrofit Kit 4' 613 (cylinder dogging)

Classroom security/security indicators

Designed for high use and abuse institution environments, such as schools and hospitals, these Von Duprin products are recommended for the following applications.

Visual verification
Reduce the time it takes to tour your facility and ensure each door is secure by installing the Von Duprin security indicator to provide at-a-glance visual verification.

Lockdown
Lock down high occupancy areas such as auditoriums, cafeterias and gymnasiums, from inside the room with the Von Duprin security indicator that provides positive visual confirmation.

Features and benefits
- Lockdown solution that meets fire and life safety codes for free egress
- Modular conversion kits allow you to quickly and easily upgrade your existing devices

-2SI security indicator with double cylinder
- Lock/unlock directional indicators provide a clear direction of rotation to secure opening
- Available for 98/99 Series devices

CDSI/HDSI dogging indicator
- Hex or cylinder dogging options
- Visual indication of whether the exit device is dogged or undogged
- Available for 98/99 & 33A/35A Series panic devices

Dogging security indicators (CDSI/HDSI)

The CDSI/HDSI dogging indicator provides an at-a-glance verification of the status of the door from inside of the room. Visible "LOCKED" and "UNLOCKED" indicators show whether the device is undogged or dogged. This feature can be used with hex key (HDSI) or cylinder dogging (CDSI) options on various device types–rim, mortise and vertical systems. (See minimum door charts for CDSI and HDSI to the right).

CDSI

HDSI

To order, specify:
1. Cylinder dogging security indicator: Prefix CDSI.
2. Hex dogging security indicator: Prefix HDSI.
3. Above options cannot be used with fire-rated devices and are recommended for use in combination with the following trim functions: DT, K-DT, L-DT, EO, NL, K-NL, L-KC, L-NL, NL-OP.

Double cylinder with security indicator (-2SI)

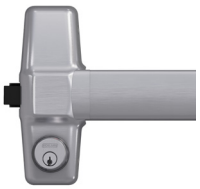
The -2SI has an interior key cylinder which locks or unlocks the lever trim from interior side of the door. The accompanying directional indication aids in operation. In addition, the status indicator provides at-a-glance verification of the LOCKED/UNLOCKED status of the door from inside of the room. This option can be ordered as a new product or as a retrofit conversion kit to an existing 98/99 device.

To order, specify:
1. Suffix: -2SI double cylinder with security indicator.
2. Specify device type, available with L and L-BE functions.
3. Specify handing and finish.

Cylinders are sold separately. Schlage rim cylinders 20-021 (keyed), XB11-979 and XB13-379 (thumbturns) are recommended.

Double cylinder

Double cylinder features an inside key cylinder which locks or unlocks the outside trim from inside a room. Clear lock/unlock icons provide directional indication to secure opening. This option can be ordered as a new product or as a retrofit conversion kit to an existing 98/99 device.



To order, specify:
1. Suffix -2 double cylinder.
2. Specify device type, available with L and L-BE functions.
3. Specify handing and finish.

Note: Cylinders are sold separately. Schlage rim cylinders 20-021 (keyed), XB11-979 and XB13-379 (thumbturns) are recommended.

WARNING: Double cylinder options (2/2SI) are ideal for fire exit hardware and panic hardware that is not equipped with the dogging feature. **Combining a double cylinder option with the dogging feature is not recommended,** as the hardware could be in the dogged (unlatched) position when the indicator states a locked position.

CDSI

Device	3'	4'
98/99	32	38
9875	N/A	N/A
9827	32	38
9857	32	38
9847	32	38
9848	32	38
9849	32	38
33	32	38
3327	32	38
3347	32	38
3348	32	38
3349	32	38

HDSI

Device	3'	4'
98/99	32	38
9875	N/A	N/A
9827	32	38
9857	32	38
9847	32	38
9848	32	38
9849	32	38
33	32	38
3327	32	38
3347	32	38
3348	32	38
3349	32	38

Environmental options

Quiet Mechanical (QM)

The QM option controls motion to reduce operational noise. It is available for the 996 trim, as well as 98/99 and 33A/35A rim and surface vertical rod devices. The QM trim solution provides a damper-controlled lever return. Likewise, the QM device option provides damper-controlled re-latching.

Features and benefits

- Controlled motion to reduce operational noise
- 996 damper-controlled lever return
- 98/99 and 33/35A damper controlled re-latching
- Available pre-installed from factory or as a retrofit kit
- Compatible with QEL, AX, RX, CD and HD
- To order, specify QM prefix of device and/or QM prefix of trim. example QM99L x QM996L to receive both

Pneumatic (PN) controlled exit devices

The PN feature provides remote latch bolt retraction in hazardous areas where electrically operated devices would not be permitted. The pneumatic solenoid will retract the latch bolt for momentary or prolonged periods. PN exit devices are particularly suited for use with automatic door operators. The PN feature is available on both Panic and fire exit hardware devices.

The PN feature includes a special actuating linkage that gives building owners the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify HD-PN (Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.) If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-PN. SD-PN is not available on the 9875 or 9975 devices.

When activated pneumatically, the latch bolt(s) of the exit device retract in 1/2 to 1 1/2 seconds. This pneumatic operation uses air pressure ranging from 50 to 100 pounds per square inch.

This product will function only when it is part of a pneumatic system (air compressor, air lines, pneumatic system, etc.) Contact LCN for correct control boxes.

To order, specify:

- Standard — Use prefix PN, example PN99NL
- Hex key dogging — Use prefix HD-PN, example HD-PN99NL
- Special center case dogging (handing is required, specify RHR or LHR) — Use prefix SD-PN, example SD-PN99NL

Pneumatic transfer (PNT)

Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

WS-T-9827/9927 and WS-T-9857/9957 Multi-Point Exit Devices: Certified to ICC-500 (2020)

Overview

The Von Duprin® 98/99 Series exit device is designed to withstand the toughest of environments. In accordance with ICC 500 (2020) standard for wind and storm shelters required by the 2021 International Building Code (IBC 2021), Von Duprin offers a Windstorm Tornado (WS-T) option on multi-point exit devices for single doors or door pairs. The two-point WS-T 98/9927 exit device for door pairs and three-point WS-T 98/9957 exit devices for single doors incorporate reinforced components to help ensure the building and its occupants are kept safe from wind and projectile debris. These devices are third party tested to comply with ICC-500 (2020) standards and FEMA P-361 (2021) guidelines when installed on Steelcraft listed and labeled Tornado Resistant Assemblies.

The ICC500 (2020) standard requires outside levers to be locked and rigid during storm events and unlocked outside levers to have inside lock status indicators. While active L-trim is not available with the WS-T option, mixed-use shelters or safe rooms, such as classrooms, auditoriums, and cafeterias, can utilize Von Duprin security indication options to allow occupants to remain on the secure side of the door while maintaining free egress. Windstorm exit devices can be ordered with double cylinder with security indicator (-2SI), Emergency Secure Lockdown (ESL), and Cylinder Dogging Security Indicator (CDSI) to facilitate ease of the outside lever lockdown from the inside.

Since pioneering the first exit device in 1908, Von Duprin life safety products have provided unparalleled quality, performance and flexibility for schools, hospitals, stadiums and public buildings. These products come with the support and customer care only offered by Von Duprin, providing the confidence and peace of mind at critical moments of life safety.

Features & Benefits

- Designed to endure tornado force winds and flying debris
- Uniquely designed center case
- Reinforced top and bottom latch housing with strengthening strap
- Stamped end cap mounting bracket
- Top soffit latch with reinforced ratchet release bracket
- Cast latch covers
- Stronger latch mounting screws
- Thru-bolted attachment points
- Lockdown security indicator options provide peace of mind and timely lockdown of the outside lever during a storm

WS-T-9827/9927 Windstorm Ratings

- Flush door pair applications:

  Minimum 6'0" x 6'8" and maximum 8'0" x 8'0" flush Steelcraft Tornado Resistant Pair Assemblies (swinging same direction)
- ICC500 (2020), FEMA P-361 (2021) and International Building Code (IBC 2021) Compliant:
  - Listed and labeled for ICC500 (2020) Standard for the Design and Construction of Storm Shelters.
    - Design pressure +/- 243 PSF
    - 15 pound 2 x 4 at 100 mph
  - Listed for Panic and Fire-Rated Exit Hardware
    - Fire exit hardware listed for 90-minute UL10C for door pairs (swinging same direction)
    - Panic Hardware UL305 listed
  - ANSI/BHMA A156.3 Grade 1
- WS-T-9827/9927 is suitable for use in Enhanced Hurricane Protection Areas. See Allegion-Schlage Lock Company, LLC. Florida product approval FL41734.
- Flush single door applications:

  Minimum 3'0" x 6'8" and maximum 4'0" x 8'0" flush Steelcraft Tornado Resistant Single Door Assemblies

  Flush single door applications:

  Minimum 3'0" x 6'8" and maximum 4'0" x 8'0" Flush Steelcraft Tornado Resistant Single Door Assemblies
- ICC500 (2020), FEMA P-361 (2021) and International Building Code (IBC 2021) Compliant:
  - Listed and labeled for ICC500 (2020) Standard for the Design and Construction of Storm Shelters.
    - Design pressure +/- 252 PSF
    - 15 pound 2 x 4 at 100 mph
  - Listed for panic and fire-rated exit hardware
    - Fire exit hardware listed for 3 hour UL10C (single doors)
    - Panic Hardware UL305 listed
  - ANSI/BHMA A156.3 Grade 1WS-T-9857/9957
- WS-T-9857/9957 is suitable for use in Enhanced Hurricane Protection Areas. See Allegion-Schlage Lock Company, LLC. Florida product approval FL41734.

Note: The Von Duprin WS-T exit device options must be installed on Steelcraft Tornado Resistant Assemblies that are tested to ICC500 and FEMA standards. Tornado assembly components are approved and certified as an assembly and cannot be mixed and matched. These components include the frame, door, hinges, anchors, and latching hardware. Proper installation of tornado doors is critical. It is recommended to have a pre-installation meeting with the contractor, specifier, door supplier, and installer to discuss the installation. Steelcraft Tornado Resistant Assemblies that include glass lights and continuous hinges tested for ICC500 (2020) with WS-T 98/9927 pairs are currently not available. View the Steelcraft Tech Data Manual for the most up-to-date testing and assembly information.

WS-T-9857/9957 Windstorm Specifications

Specifications	
Device functions	Device ships EO (Exit only) DT, L-DT, L-BE-2, L-KC
Device lengths	3': 2' 4" to 3' (71mm to 914mm) door size 4': 2' 10" to 4' (864mm to 1219mm) door size
Strikes	Bottom – 304L unfinished
Mechanical options	-2SI - Double cylinder with security indicator CD - Cylinder dogging* CDSI - Cylinder dogging, security indicator LD - Less dogging *WS-T devices with CD/CDSI option must utilize a thumbturn cylinder. A dogging key is not permitted.
Electrical options	LX - Latchbolt monitor switch RX - Push pad monitor switch RX-2 - Double push pad monitor switch SS - Signal switch QEL/ESL - Quiet Electric Latch/Emergency Secure Lockdown
Fasteners & sex bolts (SNB)	Includes 1-3/4" (44mm) metal doors SNB furnished for top & bottom latches and device (required)
Device centerline from finished floor	39-1/2" (1003mm)
Door undercut	1/4" (7mm)
Center case dimensions	8" x 2-3/4" x 2-3/8"
Mechanism case dimensions	2-1/4" x 2-1/4" (57mm x 57mm)
Top & bottom latch case	4-1/2" x 2-1/2" x 1-7/8" (114mm x 64mm x 48mm)
Vertical rods	1/2" (13mm) round tubing, standard rods accommodate 7' (2134mm) doors Top rod length is 36-1/4" (921mm) Bottom rod length is 31-3/4" (806mm)
Projection	Pushbar neutral – 3-13/16" (97mm) Pushbar depressed – 3-1/16" (78mm)
Finishes	US3, US4, US10, US26, US26D, US28, 313, 315 and US32D* *Available on WS-T-9827 and WS-T-9857 devices only

Trim Guide

Trim Function	Exit Only (EO)	Dummy Trim (DT)	Dummy Trim, Less Control (DT)	Lever - Key Capture (L-KC)	Lever - Blank Escutcheon (L-BE)-2/-2SI option	Lever - Dummy Trim (L-DT)	Lever - Dummy Trim (L-DT) Less Control
Product Description	WS-T-9927-EO WS-T-9827-EO WS-T-9957-EO WS-T-9857-EO	WS-T-9927-DT WS-T-9827-DT WS-T-9957-DT WS-T-9857-DT	WS-T-9927-DT-less control WS-T-9827-DT-less control WS-T-9957-DT-less control WS-T-9857-DT-less control	WS-T-9927-L-KC WS-T-9827-L-KC WS-T-9957-L-KC WS-T-9857-L-KC	WS-T-9927-L-BE-2SI WS-T-9827-L-BE-2SI WS-T-9957-L-BE-2SI WS-T-9957-L-BE-2SI	WS-T-9927-L-DT WS-T-9827-L-DT WS-T-9957-L-DT WS-T-9857-L-DT	WS-T-9927-L-DT-less control WS-T-9827-L-DT-less control WS-T-9957-L-DT-less control WS-T-9857-L-DT-less control
Supplied Trim	None	377T-KC x 990DT	990DT	996L-KC	377T-KC x 996-2	377T-KC x 996L-DT	996L-DT
Projection		2" (51 mm)	2" (51 mm)	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)
ANSI Function	1	12	2	9	12, 14	12	2
Cylinder Type		1 1/4" (32mm) mortise		Rim			
Notes					12/14 changes ansi function based on the -2SI setting. "12" if "locked" state and "14" if unlocked state	NL-DT will not have a key cylinder hole in this application	L-DT will not have a key cylinder hole in this application

Compliant WS-T Trim Choices

ICC 500 - 2020 requires the exterior lever to be locked or rigid during a storm. The 996L-Trim option is not available with the WS-T option due to this requirement.

The following three Von Duprin trim options allow for day-to-day unlocked outside trim and enable a lockdown functionality with indication, providing ICC 500 - 2020 compliance.

Option 1: You require an exterior lever that remains unlocked/active until lockdown and always latches

Option	Inside Cylinder	Trim	Function
Double Cylinder with Security Indicator (-2SI)	Keyed or thumbturn	996	L-BE
		and	
		377	T-KC

In a storm event, a user can see the lock's status via the indicator to quickly determine if the door needs to be locked, which is done via thumbturn or key. A key can be used to enter from the outside during lockdown. The door returns to a locked state as soon as the key is removed.

Option 2: You require access control to retract the latch when a credential is presented until lockdown

Option	Inside Cylinder	Trim	Function
Quiet Electronic Latch retraction (QEL) with Emergency Secure Lockdown (ESL)	Keyed or thumbturn	996	L-KC
		or	
		377	T-KC

In a storm event, the user engages the thumbturn which prompts ESL to interrupt power to QEL motor, disabling card access and electronic dogging. A key can be used to enter from the outside during lockdown. The door returns to a locked state as soon as the key is removed.

Option 3: You require an exterior lever that is always locked but want the ability to mechanically undog the door until lockdown. (Opening must be non-fire rated.)

Option	Inside Cylinder	Trim	Function
Cylinder Dogging Security Indication (CDSI)	Thumbturn only	996	L-KC

In a storm event, the user can quickly see the latch's status via the indicator to see if the push pad is undogged or dogged. If undogged, the user twists the thumbturn to dog the door. A key can be used to enter from the outside during lockdown. The door returns to a locked state as soon as the key is removed.

Note: 377T-KC is not ADA compliant

The following Von Duprin trim options allow for fixed outside trim, providing ICC 500 - 2020 compliance:

Option 4: You require an exterior that is exit only

Option	Inside Cylinder	Trim	Function
Exit only	NA	NA	EO

There is no exterior lever, so no action is needed during storm event.

Option 5: You require trim that is always locked and requires key for entry

Option	Inside Cylinder	Trim	Function
Always locked	NA	996	L-KC

Exterior is always locked and can only be operated with use of mechanical key. No action is needed during storm event.

To support ADA compliance, extended latch guards for rods are recommended (WS-LGO-3 and WS-LGO-4) but they are not required for ICC 500 compliance.

Weatherized options

Hurricane rated exit devices and mullions

Hurricane resistant openings are designed to withstand storm conditions for long periods of time while maintaining the structural and functional integrity of the opening. The primary purpose is to not only prevent debris and wind from penetrating the assembly but also to maintain functionality after the storm.

Hurricane codes and applications

Florida was the first state to develop hurricane codes. As a result, the requirements set by the Florida Building Code (FBC) may be adopted by jurisdictions in other states where hurricane protection is a necessity. The appropriate hurricane solution depends on the specific requirements for the application. Contact your local Allegion representative for the specific requirements in your state.

Hurricane rated devices

Wind and Impact

FBC TAS 201, 202, 203
[Wind and Impact zone (HVHZ) ASTM E1886, ASTM E1996, ASTM E330]

Exterior door assemblies certified for installation within the Florida High Velocity Hurricane Zone (coastal region of the state) are subject to specific tests for both wind speed and flying debris called out in the TAS protocols of the Florida Building Code. Impact, structural, and cyclic tests must be conducted on full assemblies (e.g., exit device and door) as part of the standard.

Wind-Only

ANSI-ASTM E330 [Wind-Only (non-impact zone)]

Exterior door assemblies certified for installation in non-impact regions (typically inland regions) are tested for structural integrity in accordance with ASTM E330 for wind-only applications. These doors are subject to a structural test load equal to 1.5 times their actual design pressure rating, and they must remain operable with no breakage of glazing panels.

To order, specify:

1. Use prefix “HH” for wind and impact or “HW” for wind-only. If application is unknown, specify HH device, which will satisfy both applications.
2. Model number and description
3. Door mode: SGL (single) or PR (pair)

   Example: CD HH99NL 3’ 626 PR

Note: Many hurricane rated devices use standard device components. Devices will be furnished with the proper strikes and components if HH or HW is specified. All HH devices will include through bolts. Pricing will be adjusted accordingly. See Von Duprin price book for details.

Hurricane rated mullions

Wind and Impact

- Designed for use with these HH (Wind and Impact) rated devices:
  - HH98/99 (specify devices with 499F strikes)
  - HH98/9957 (specify devices with 499F strikes)
  - HH-XP98/99 (specify devices with 909 or 954 strikes)
- Steel mullion
- Furnished for 8’ doors; cut in field as needed
- No KR or electrified options available
- Furnished blank (no strike prep)
- Mullion tube and fittings are unique from are not interchangeable with 9954

Panic and fire-rated applications

- HH9954

To order, specify:

1. HH9954 x Finish (689 or 695)

Wind-Only

- Designed for use with HW (Wind-Only) rated devices
- Identical to standard mullions, except for hurricane rated bottom fitting mounting hardware

Panic applications

- Steel - 1654, 4954, 4954-XP
- Aluminum - 5654, 5654-XP, 5754

Fire-rated applications

- 9954, 9954-XP

To order, specify:

1. Use KR if keyed removable option is desired (steel mullions)
2. HW
3. Model number
4. Height of opening
5. Finish
6. Strikes, when required, should be ordered with device

   Example: KR-HW9954 7’ 689

Disclaimer: Hurricane rated exit devices for use when paired with Allegion approved doors.

Mechanical options

Application	Model	Single door	Double door	
		Standard strike	Mullion	Standard strike
HH (Wind and Impact Rated) All impact rated devices require mounting with through bolts	98/99	299F	HH9954	499F
	98-F/99-F	299F	HH9954	499F
	XP98/99	909	HH9954	909
	XP98-F/99-F	909	HH9954	954
	9827/9927	Top: 299F Bottom: 304L	-	Top: 299F Bottom: 304L
	9827-F/9927-F	-	-	Top: 299F Bottom: 304L
	HH9847/9947*	Top: 338 Bottom: 304L	-	Top: 338 Bottom: 304L
	9847-F/9947-F	-	-	Top: 338 Bottom: 304L
	9849/9949	Top: 249 Bottom: 349	-	Top: 249 Bottom: 349
	9849-F/9949-F	-	-	Top: 249 Bottom: 349
	9857/9957	Top: 299F Middle: 299F Bottom: 304L	HH9954	Top: 299F Middle: 499F Bottom: 304L
	9857-F/9957-F	Top: 299F Middle: 299F Bottom: 304L	HH9954	Top: 299F Middle: 499F Bottom: 304L
	9875/9975	575	-	-
			-	-
	9875-F/9975-F	575	-	-
HW (Wind-Only)	98/99	299	4954 or KR4954	299
			1654 or KR1654	1606
			5654	299
			5754	1408
	98-F/99-F	299F	9954 or KR9954	499F
	XP98/99	909	4954XP or KR4954XP	909
			5654XP	909
	XP98-F/99-F	909	9954XP or KR9954XP	954
	9827/9927	Top: 299 Bottom: 304L	-	Top: 299 Bottom: 304L
	9827-F/9927-F	-	-	Top: 299F Bottom: 304L
	9847/9947	Top: 338 Bottom: 304L	-	Top: 338 Bottom: 304L
	9847-F/9947-F	-	-	Top: 338 Bottom: 304L
	9849/9949	Top: 249 Bottom: 349	-	Top: 249 Bottom: 349
	9849-F/9949-F	-	-	Top: 249 Bottom: 349
	9857/9957	Top: 299 Middle: 299 Bottom: 304L	4954 or KR4954	Top: 299 Middle: 299 Bottom: 304L
			1654 or KR1654	Top: 299 Middle: 1606 Bottom: 304L
			5654	Top: 299 Middle: 299 Bottom: 304L
			5754	Top: 299 Middle: 1408 Bottom: 304L
	9857-F/9957-F	Top: 299F Middle: 299F Bottom: 304L	9954 or KR9954	Top: 299F Middle: 499F Bottom: 304L
	9875/9975	575	-	-
	9875-F/9975-F	575	-	-

* HH98/9947 is furnished with double latch brackets and requires template #10319.

Accessibility options

Accessible device (AX)

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX98/99, AX98/99-F, AX98/9927LBR, AX98/9927-F LBR, AX98/9949LBL, AX98/9949-FLBL, AX98/9949-F LBLAFL, AX98/9950LBL, AX98/9950-FLBL. Additionally, all AX devices will be shipped with a new UL label clearly stating “Meets California building Code (2013) Sec. 11B-309.4” and an “AX” identifier label on device center case. See images for reference.

AX option is not available on 2' exit devices. (SVR/CVR/CVC only, R & M not available in 2' sizes.)

Latches

Less bottom rod, panic and fire rated (LBR)

LBR option is available on panic-rated devices by eliminating the bottom rod, latch, and strike.

LBR option is available on fire rated devices using a spring-loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Fits door stiles as narrow as 3 5/8".

Fire rated LBR devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

Pullman latch (PL)

When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices.

Not recommended where security is of the utmost importance since latches do not deadlock.

Push pads

Dummy push pad

The 330 dummy push pad is designed as a companion unit for all 99 devices. The 350 dummy push pad is a companion unit for all 98 devices. The push pad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 990DT, 996DT trim or any Ives Pull.

The 330/350 can be equipped with a functional push pad and will accommodate an RX or WP-RX switch. Specify RX-330.

May also be equipped with the RX2, double RX switch.

To order, specify:
1. 330 or 350.
2. Size 3' or 4' (914mm or 1219mm)
3. Finish – 605, 606, 612, 625, 626, 628, 710 and 622/711. (630 – 350 only)
4. Specifiy RX, WP-RX or RX-2 if desired.

Safety glow (SG)

Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The safety glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

To order, specify: Suffix SG, EL 9927L-SG

Red silk screen (RSS)

Red silkscreen lettering on touchpad trim - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on SS devices.

To order, specify: Suffix RSS, 9927L-SS RHR

Braille, embossed and knurled touchpads

* Image shown is a special order.

Braille touchpad embossed with the standard message “CAUTION STAIRWELL” in braille and raised letters provides assistance to persons with impaired vision. Letters are 1/2" (13mm) high and braille is #2, raised height is 3/32" (2mm). Other messages are available, limited to 20 characters per line.* **Order** through specials process.

Embossed touchpad is embossed with the word “PUSH”. **To order, specify:** Suffix EMB, EL9927L-EMB.

Knurled touchpad is to provide warning to persons with impaired vision. **To order, specify:** Suffix PBKN, EL9927L-PBKN.

*Consult factory for availability.

Latch retraction

Quiet electric latch retraction (QEL)

Quiet electric latch retraction (QEL) provides electronic control of an exit device for environments where limited operational noise is desired. These devices always provide mechanical egress. The electrified latch retraction can also be activated by an access system or building automation system to unlatch the exit device momentarily. Often the QEL is used with a credential reader and access control system to unlock the door momentarily for authorized users.

The QEL can also be configured to electronically retract the latch for an extended period of time to allow free entry. This is a convenient alternative to mechanical dogging. If manual dogging is required, the hex dogging option is available, to order specify HD-QEL. Special center case dogging is also available for 98/99 rim and vertical systems, specify SD-QEL.

The standard default QEL feature will retract the latch bolt and pushpad. If an active pushpad is required utilize the QEL-L option. This option will retract the latch bolt and maintain an active pushpad.

In some applications an audible indication of pushpad retraction is desired. The QEL-B (B-buzzer) option is a feature that can be added as a retrofit to a QEL device in the field that will send an audible notification of initial latchbolt retraction.

The QEL option is available on panic devices and fire rated devices. UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

The QEL has a low inrush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

The -2RS option board is designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

To order, specify:

1. Standard — use prefix QEL, example QEL99L.
2. Special center case dogging — use prefix SD-QEL, example SD-QEL99L

Note: Baseplate and modular QEL Conversion kits are available for field retrofit. Please see parts/service manual for part numbers.

Schlage PS902	Schlage PS904	Schlage PS906
Up to 2 amps	Up to 4 amps	Up to 6 amps

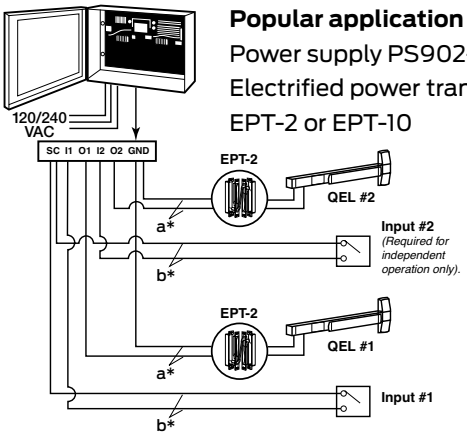
QEL Electrical load

Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) / 0.14 A Holding

Minimum door opening widths*

Application	Surface vertical	Concealed vertical	Mortise	Rim
Min. door opening	28 1/4"	28 1/4"	28 3/4"	29 1/4"

* For 3' devices. For 4' devices, add 6".



Popular application
Power supply PS902-2RS
Electrified power transfer
EPT-2 or EPT-10

a*

Distance (one-way)	Wire gauge
200 '	18 AWG
320 '	16 AWG
500 '	14 AWG
800 '	12 AWG

b*

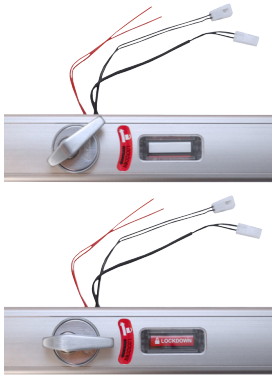
Wire selection	Switch wire size
1200 ft. Max.	18 gauge standard

Latch retraction

Emergency secure lockdown (ESL)

The emergency secure lockdown (ESL) option is ideal for high-occupancy spaces, such as auditorium-style classrooms with access control

Occupants can turn the thumb turn (or cylinder key) of the ESL option installed, interrupting the power to the QEL motor, and electronically undogging to secure pull side of the door as well as sends a signal to the access control system. The visual indication assures the occupant the exit device has been put into secure lockdown mode.



To order, specify:

1. Suffix: ESL Emergency secure lockdown.
2. Specify device type and length with the ESL option.

Specify handing and finish

Note: ESL requires PS902-4R for single door (add -FA if fire rated), or PS904-4R-4R for double door (add FA to both -4R boards if fire rated).

QEL Minimum Door Widths				
	SVR	CVR/CVC	MOR	RIM
98/99 3'	28-1/4"	28-1/4"	28-3/4"	29-1/4"
98/99 4'	34-1/4"	34-1/4"	34-3/4"	35-1/4"
33A/35A 3'	28-1/4"	25-1/4"	x	29-1/4"
33A/35A 4'	34-1/4"	34-1/4"	x	35-1/4"

QEL and ESL Minimum Door Widths				
	SVR	CVR/CVC	MOR	RIM
98/99 3'	36"	36"	36"	36"
98/99 4'	42"	42"	42-1/2"	43"
33A/35A 3'	36"	36"	x	36"
33A/35A 4'	42"	42"	x	43"

Delayed egress

The Chexit® (CX) (with motor driven blocking actuator)*

The Von Duprin Chexit device is designed for controlled egress applications. It meets both life safety and security needs, as well as the requirements of NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.

The Chexit device includes a 6" x 20" decal for application on door. “PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS”

Chexit typical applications

Chexit single door with options – The Chexit is used as an access control device. The card reader allows access. Also shown in this application is an external horn and door position switch. The auxiliary horn is used for increased volume in remote locations. Using a door position switch gives added security to the opening in case the door is not reclosed.

With the Chexit disarmed, the opening functions as a normal exit device. If card readers are required on both sides of the door, the normally closed contacts of the readers should be wired in series.

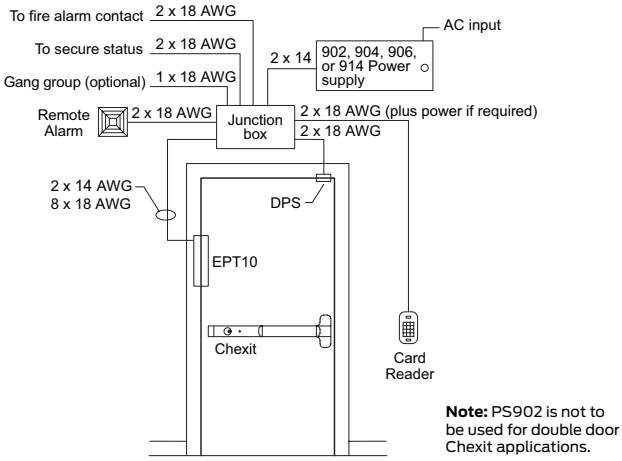


Figure 1. Riser diagram, single door

Minimum door opening sizes for CX devices

(Consult factory for other size requirements)

Device	3' (914mm) Length	4' (1219mm) Length
CX98/98-F/99/99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX-XP98/XP98-F/XP99/XP99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX9827/9827-F/9927/9927-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9847/9847-F/9947/9947-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9848/9848-F/9948/9948-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9849/9849-F/9949/9949-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9850/9850WDC-F/ 9950/9950WDC-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9857/9857-F/9957/9957-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9875/9875-F/9975/9975-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)

Specifications / Power supply requirements[1]

Input voltage – 24VDC
Input current inrush – 1.25A
Input current holding – 390mA
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Power supply information for CX devices with motor driven blocking actuator[1]

Power supply	Maximum number of devices
PS902 (up to 2 amps)	1 Chexit device
PS904 (up to 4 amps)	3 Chexit devices
PS906 (up to 6 amps)	4 Chexit devices
PS914 (up to 4 amps)	4 Chexit devices

Note: When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table above for output ratings. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. Call Customer Care at 877-671-7011 or visit the Allegion website for more information - www.us.allegion.com.

To order, specify:

1. Prefix product description number “CX”.
   Example: CX99L
2. Specify option (see options on page 53).
   Example: CX-RCM or CD-CX
3. Door size other than 3' (914mm).
4. Door thickness other than 1 3/4" (45mm).
5. Finish.
6. Handing, LHR or RHR. Required with “CD” option.

1. Chexit devices built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

Delayed egress

Chexit, RCM and DE5300 features

The Chexit, remote chexit module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

Inputs and outputs

Fire alarm input
This input releases the door immediately upon a fire alarm allowing immediate egress. The internal alarm can be silenced during a fire input via an onboard switch setting.

Inhibit input (access control)
This optional input is provided to allow authorized egress or entry when the device is armed using an external card reader, key switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

Door position switch input
An optional door position switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

Gang bus
The gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the release delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the gang bus.

Alarm relay contacts
The alarm relay contacts are provided as a means to control a remote alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as normally open or normally closed, and become active upon entering an alarmed condition.

Secure relay contacts
The secure relay contacts are provided as a means to signal an external monitor. The contacts can be configured as normally open or normally closed with a jumper, and become active when the dps indicates the door is closed and the push pad is locked.

Delays

Release delay
When the push pad is pushed and the nuisance delay expires, the Chexit, RCM or DE5300 enters the release delay with alarm. During the release delay, the internal alarm sounds, the alarm relay activates, and the Chexit/RCM keeps the push pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the nuisance delay). Once started, the release delay sequence will not stop and the devices will unlock.

Nuisance delay
When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the push pad is accidently pushed. The nuisance delay is the brief time a push pad can be accidently pushed before the release delay sequence starts. If the nuisance time is set to 0 seconds the Chexit, RCM or DE5300 will enter release delay as soon as the push pad is pushed (when armed). Setting the nuisance time to 1, 2, or 3 seconds allows the push pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into release delay. If the nuisance audio and nuisance delay are both on, the internal alarm will pulse during the nuisance delay. The alarm relay does not activate during the nuisance delay. If the push pad is released before the nuisance delay expires, the Chexit, RCM or DE5300 will remain armed.

Rearm delay
The rearm delay is the amount of time after the key switch or inhibit input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The rearm time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the rearm time is set to 30 seconds and a DPS is used, if the door is opened and the rearm time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

DPS delay
If the DPS detects that the door closed during the rearm delay, the Chexit, RCM or DE5300 ends the rearm delay and allows 2 seconds for the latch to clear the strike before rearming.

Delayed egress

Interface

Key switch

The Key Switch provides the means to Arm or Disarm/Reset the Chexit, RCM or DE5300. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counter-clockwise Disarms/Resets the Chexit, RCM or DE5300. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

Status indicator

The red Status Indicator displays the status of the Chexit, RCM or DE5300. The Status Indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

Internal alarm

The Internal Alarm sounds the status of the Chexit, RCM or DE5300. The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

Settings

Armed powerup

When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

Trim fail safe / fail secure (FS/FSE)

The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

Trim operation overview

Rim and vertical application: Trim will not function when Chexit is armed.
Mortise application: Trim will function when Chexit is armed.

Chexit requiring pull side operation

	Mechanical trim	Electric Trim
Rim and vertical	Access control disarms Chexit. Rotate lever to enter.	Access control disarms Chexit and unlocks electric trim. Rotate lever to enter.[1]
Mortise	a) Use key to unlock lever. Rotate lever to enter.[2] b) Use RX996L-M to disarm Chexit. Rotate lever to enter.[3]	Access control disarms Chexit and unlocks electric trim or electric mortise lock. Rotate lever to enter.

1. Fail Secure Trim recommended. For Fail Safe applications, contact technical support to review application.
2. Do not use Door Position Switch with Chexit in this application.
3. Allows free ingress at all times.

Delayed egress

Remote Chexit Module (RCM)

Designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard Chexit device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the Remote Chexit Module.

RCM Module

Minimum door opening sizes for RCM devices

(Consult factory for other size requirements)

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM 98/98-F/99/99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM XP98/XP98-F/XP99/XP99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM 9827/9827-F/9927/9927-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9847/9847-F/9947/9947-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9848/9848-F/9948/9948-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9849/9849-F/9949/9949-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9850/9850WDC-F/9950/9950WDC-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9857/9857-F/9957/9957-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9875/9875-F/9975/9975-F	2'5 1/2" (743mm)	2'11 1/2" (902mm)

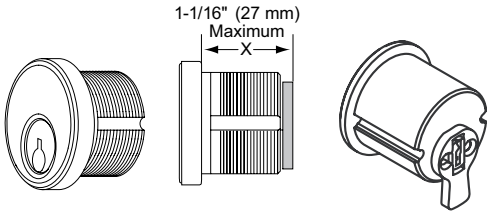
Specifications / Power supply requirements*
Size – 3.75" x 5.57" x 2.50"
Input voltage – 24VDC
Input current inrush – 1.25A
Input current holding – 390mA
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

*RCM modules built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements.

Note: The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

Cylinder dogging (CD)

Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with “CD” and specify handing.



Cylinders

Cylinders are not furnished with the Chexit device and must be specified when ordering. Use 1 1/4" mortise cylinder with compression ring 36-083 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Price book for additional information.

To order, specify*:

See Chexit "How to order" on page 52.

Delayed egress system

DE5300 system

Designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.

DE5300 Module

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

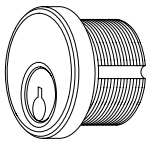
The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

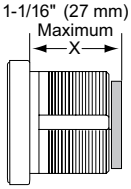
The DE5300 device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.
DOOR CAN BE OPENED IN 15 SECONDS"

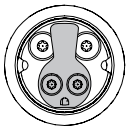
Cylinders

Cylinders are not furnished with the DE5300 and must be specified when ordering. Use 1 1/4" mortise cylinder with compression ring 36-083 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Price book for additional information.





Standard cam configuration
(Shown with key removed)



Schlage 20-001-114 shown

Specifications / Power supply requirements
Size - 3.75" x 5.57" x 2.50"
Input voltage – 24VDC
Input current – 1A
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

To order, specify:

1. DE5300
2. M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
3. RX-LC 22/33A/35A/98/99 device.
4. PS900 Series
5. EPT-2/10

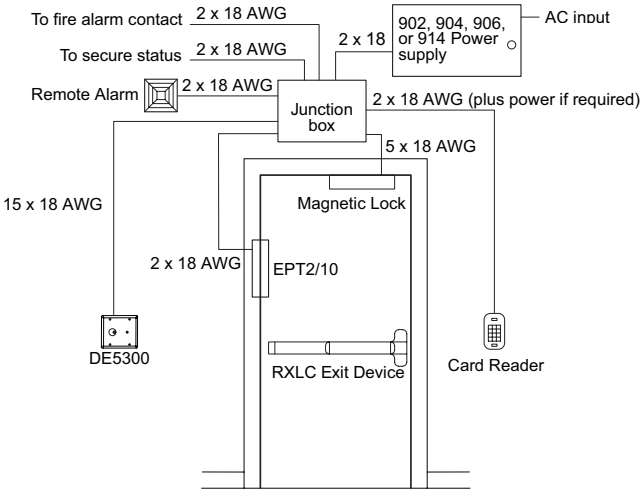


Figure 1. Riser diagram, single door

Switches

Request to exit (RX)

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the push pad. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. The RX switch option should not be used to control a load, but as a signalling switch (2 amps resisitive maximum). The RX switch is available in a low current (LC) 50ma max. Most commonly used to signal low-current access control inputs.

To order, specify:

- Standard – use prefix RX, example RX99EO
- Low Current – use prefix RX-LC, example RX-LC98EO

Double request to exit (RX2)

The RX2 feature uses two RX switches.

To order, specify:

- Standard – Use prefix RX2, example RX299EO

Waterproof request to exit (WP-RX)

- Switch rated to IP67 – protected from contact with harmful dust and from immersion in water with a depth of up to 1 meter (3.3 feet) for up to 30 minutes

Note: All in-field electrical connections should be in compliance with IP67 to ensure trouble free operation.

Latch bolt monitoring (LX)

The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signalling switch (2 amps resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – Use prefix LX, example LX99EO
- Low Current – Use prefix LX-LC, example LX-LC98EO

Electrical rating for all switches

- Standard – 2 amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

Note: All switches can be either factory or field installed

Signal switch (SS)

Monitors push pad and latch bolt. The SS feature is used to signal the unauthorized use of an opening. This device is equipped with two internal SPDT switches. One switch monitors both the push pad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the 1 1/4" (32mm) mortise cylinder with straight cam for alarm "bypass." (Schlage cam reference L583-477). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Push pad reads: "Emergency Exit ONLY – Push To Open And Sound Alarm." Push pad is only available in US32D finish with red silk-screened lettering.

The SS mortise lock device is furnished with both the signal switch device and the SS7500 mortise lock. The SS7500 mortise lock has the versatility and advantages of the 7500 lock with the addition of signalling functions to monitor latch bolt operation and the trim locking function.

To order, specify:

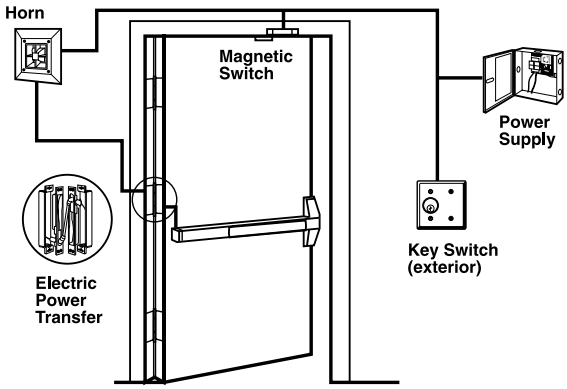
- Prefix SS, example SS99L.
- Handing required, LHR or RHR.

Electrical ratings

- Up to 2.0 amps @ 24VDC

Popular SS application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.



Remote monitoring and remote undogging

Remote monitoring
Remote monitoring, RM, provides visibility to request to exit (RX), latch bolt monitor (LX) and door position switch (DPS). RM is available as a modular kit that can be added to any existing Von Duprin 98/99 or 33A/35A series device. RM provides power source flexibility and can be battery powered or has the ability to be hard-wired.

For customers desiring real time monitoring, RM is designed to connect to Allegion's Software Alliance Members via IP. The RM can also be used with RSI connection to the ENGAGE™ gateway for daily schedule reporting. For more information about RM system capabilities and compatibilities, contact your local electronic sales engineer.

Remote undogging
Remote undogging, RU, option is a battery powered wireless solution that enables remote undogging and door status monitoring. The door status monitoring provides visibility to request to exit (RX), latch bolt monitor (LX) and door position switch (DPS). It enhances perimeter security by providing electronic override of mechanical dogging for emergency facility lockdown. RU provides power source flexibility and can be battery powered or has the ability to be hard-wired.

RU is available as a modular kit that can be added to any existing Von Duprin 98/99 or 33A/35A Series device. For customers desiring real time lockdown and monitoring, RU is designed to connect to Allegion's Software Alliance Members via IP. The RU can also be used with RSI connection to the ENGAGE™ gateway for daily schedule reporting. For more information about RU system capabilities and compatibilities, contact your local electronic sales engineer.

Alarm kit

Alarm kit (ALK) is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard 1 1/4" (32mm) mortise cylinder with a straight cam (Schlage 20-001, L583-477 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Auto reset (AR) is a standard feature for this option. This kit allows the device to resume the alarm option after a preset time. Preset times can be field selected at 1.5, 3, or 4.5 minutes.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

The ALK is available in two styles, 99ALK, grooved cover and 98ALK, smooth cover.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." RSS push bar trim can be used instead of the door decal, specify RSS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required, there are two choices. Special center case dogging (SD) is available. Or, as an engineered special, the ALK can be moved to the hinge side of the device, and standard cylinder dogging (CD) can be added. Note size restrictions on the following page.

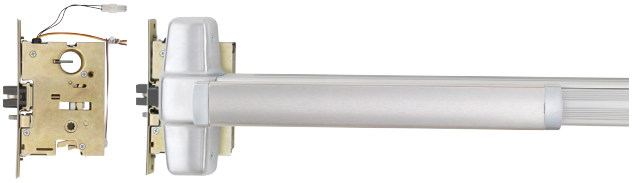
To order, specify:
1. Standard, 98 ALK
2. Special center case dogging, SD98 ALK
3. Cylinder dogging, CD98 ALK

Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock.
LX switch not available for 98/9975 devices.

Minimum door opening sizes on ALK applications

Device	3' (914mm) Length	4' (1219mm) Length
98/98-F/99/99-F	2'10" (864mm)	3'4" (1016mm)
9875/9875-F/9975/9975-F	2'10" (864mm)	3'4" (1016mm)
9827/9827-F/9927/9927-F	2'10" (864mm)	3'4" (1016mm)
9857/9857-F/9957/9957-F	2'10" (864mm)	3'4" (1016mm)
9847/9847-F/9947/9947-F	2'9" (838mm)	3'3" (991mm)
9848/9848-F/9948/9948-F	2'9" (838mm)	3'3" (991mm)

Electrified mortise and electrified trim



The electric mortise lock device has all the versatility and advantages of the standard mortise lock device, plus the advantage of being electrically controlled by a remote switching device, an access control system or an automatic fire alarm system. The device features the E7500 mortise lock. The E7500 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function. Only available with TP, K or L functions.

The E7500 lock contains a SPDT signal to monitor the outside trim condition (locked or unlocked) and a second SPDT signal switch to monitor the latch bolt.

Standard features

- Field reversible handing
- 24 VDC continuous duty solenoid

Optional features

- Fail safe (locked when energized, unlocked when de-energized or during power failure). Specify with suffix "FS."
- Fail secure (unlocked when energized, locked when de-energized or during power failure). Specify with suffix "FSE"
- 24 VAC (with SO option)*
- 12 VDC
- 12 VAC (with SO option)*

Note: Some Fire codes will require "Fail Safe" (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

* SO (silence operation) not recommended for continuously-powered devices.

Electrical specifications

- Solenoid — .60 amps @ 12VDC
  .30 amps @ 24VDC
- Each switch — Up to 2.0 amps @ 24VDC Maximum

The E option does not include the power transfer from door to frame, the power supply or the control operator (Refer to EPT-10 and PS902 or PS914 power supply).

To order, specify:

1. Use prefix "E," example E9975
2. FS or FSE (Product is not able to be changed in the field)
3. Voltage

Electric mortise lock device

Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location—stairwells, exterior doors, etc.

Minimum system requirements

- PS902
- EPT-10 or electric hinge

M996L/L-BE Motor driven electrified trim

M996L/L-BE motor driven electrified breakaway lever trim provides remote locking and unlocking capabilities while incorporating the patented vandal-resistant trim design. The motor can be energized from a distant controller, thus allowing access control of the opening. The control of stairwells in high-rise buildings is a common application for this trim. M996 is furnished fail safe (FS) and convertible to fail secure (FSE) via dip switch. The M996 key bypass options are M996L (key functions as night latch mechanical override) or M996L-BE (no key override, blank escutcheon).

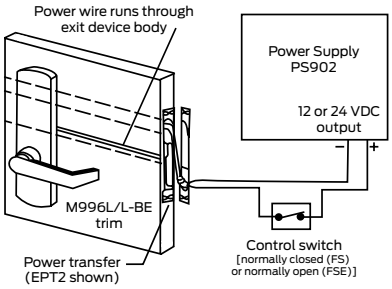
Specification

Dual voltage – up to 1.12 amps @ 12 VDC,
Up to .59 amps @ 24 VDC.

M996L/L-BE Motor driven electrified trim

To order, specify:

1. Use "M" prefix, example M996L.
2. Device type, R/V (rim/surface or concealed vertical
3. rod/cable) or M (mortise)
4. FS or FSE
5. Lever style (06 lever is furnished standard)
   Other levers, no extra charge.
6. Handing and finish
7. Allegion Connect specify CON



Power supplies

PS900 Series power supplies

The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the regulated low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2[1], filtered and regulated power. The full line is UL294 certified.

Features

- Constant output rating at both 12VDC or 24VDC provides superior performance; includes field selectable jumper
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high inrush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws
- Optional keylock

Certifications

- UL 294 certified—the standard for access control
- Class 2 rated[2]

PS900 Series power supplies

The PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

Connectors on the power supply

Product	Schlage PS902	Schlage PS904	Schlage PS906	Von Duprin PS914
Amperage	2 amps	4 amps	6 amps	4 amps with 16 amp inrush
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1

Applications

The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes, Von Duprin exit devices and many other brands.

Accessories

The PS900 Series features seven option boards for use in a variety of applications. All PS900 Series power supplies option boards are UL 294 certified.

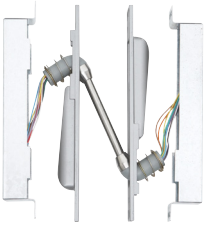
Option boards

- **900-4R:** 4 relay controlled output board to power multiple devices
- **900-4RL:** 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock
- **900-8F:** Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection
- **900-8P:** Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection
- **900-FA:** Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency[2]
- **900-BB:** Battery backup
- **900-2RS:** 2 relay control board for electric latch panic devices (EL or QEL), electric strikes or electrified trim
- **900-BBK:** Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load

1. PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.
2. Except PS906, output rating exceeds Class 2 power limits.
3. PS906, output rating exceeds Class 2 power limits, but can provide Class 2 rated outputs when used with 900-8P distribution board.

Electrical and pneumatic power transfers

Electrical power transfer (EPT)
Pneumatic transfer (PNT)



Electrical Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.

Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2 and EPT-10 are U/L listed as “miscellaneous door accessory”. UL Listed for use on fire doors.

Door applications

Degree of opening	Hinge type	Door thickness
0-180	Up to 5" butt hinges	1 3/4"
0-180	Up to 3/4" offest pivots	1 3/4"
0-130	5 1/2" butt hinges	1 3/4"
0-110	6" butt hinges	1 3/4"
0-90	Swing clear hinges	1 3/4"

Finishes

- 622 - Powder coated matte black
- 689 - Powder coated aluminum
- 695 - Powder coated bronze

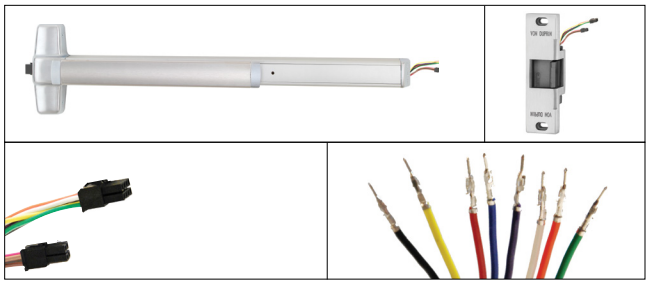
Dimensions

Housing	9" x 1 1/4" x 1 5/8" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, up to 2 amps @ 24VDC, with a 16 amps maximum surge
EPT-10	Ten 24 gauge wires, up to 1 amps @ 24VDC, with a 16 amps maximum surge
PNT-1	5/32" Tubing

To order, specify:

1. EPT-2 ,EPT-10 or PNT-1
2. Finish, 622, 689, 695

Allegion Connect



Allegion Connect features common interconnect components for many cross-category electrified options. Allegion Connect is a quick and easy way to connect power sources. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Allegion Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P
Power supply wire harness = connectors on one end, stripped leads on the other end.		
6 Inches	CON-6W - frame side of power transfer	

Consult door manufacturer for harness length requirements.

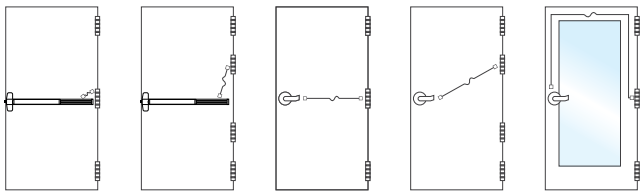
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon price books. A service kit is available for order in the Schlage, Von Duprin and Falcon price books. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

To order, specify:

1. Specify CON for Connect electronic options
   Example: QEL-99-EO-CON
   (99 Series quiet electric latch retraction exit only with Connect connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives electrical thru-wire hinge

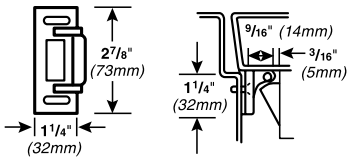
Wire run options



Strikes

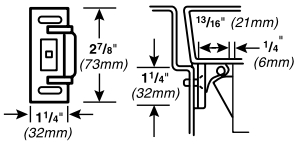
Strikes for rim devices

264



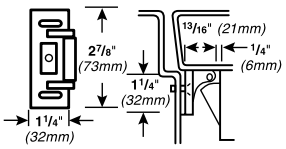
Projection 9/16" (14mm)

299



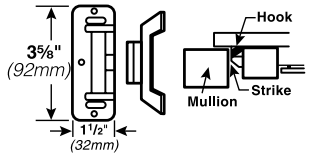
Projection 13/16" (21mm)

299F



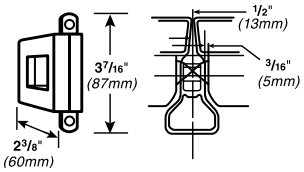
Projection 13/16" (21mm)

499F



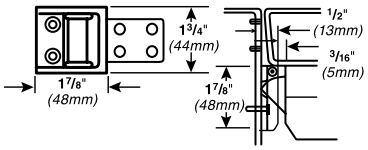
Projection 15/16" (24mm)

1408



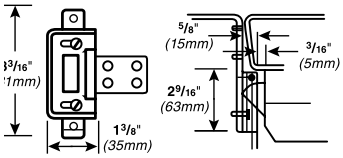
One per pair of doors

1439–Blade stop



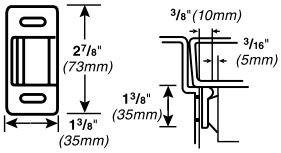
Projection 1/2" (13mm)

1410–Integral stop



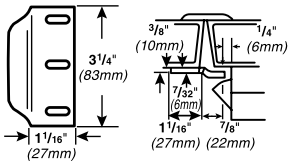
Projection 1/2" (13mm)

1606



Projection 3/8" (10mm)
(Panic devices only)

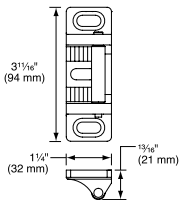
1609



- Requires coordinator
- For panic exit application only, not fire rated

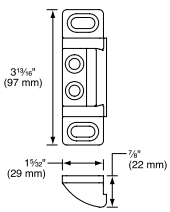
XP Strikes for rim devices

909



Projection 13/16" (21mm)

954



Projection 7/8" (22mm)
(For fire rated double door applications)

Strikes for vertical cable devices

249 - Top strike

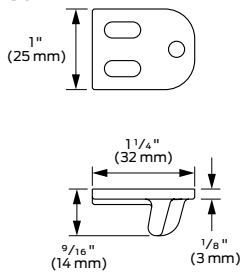
Projection 9/16" (14mm)

349 - Bottom strike

Projection 1/8" (3mm)

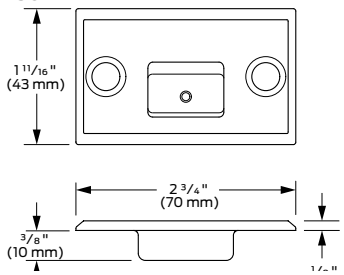
Strikes for 98/9950WDC devices

150



Projection 9/16" (14mm)

450

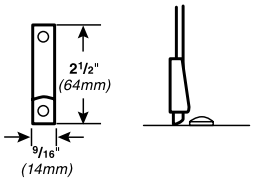


Projection 1/8" (3mm)

Strikes

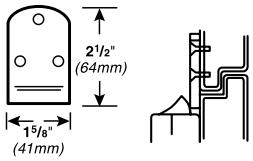
Strikes for vertical rod devices

248L-4



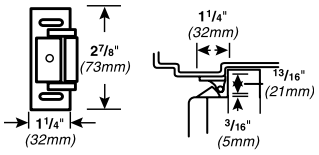
Projection 3/8" (10mm)

260U-Flush transom panic only
260U-F-Flush transom fire only



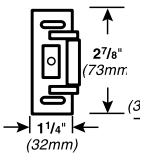
Projection 3/8" (10mm)

299



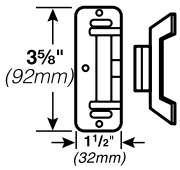
Projection 13/16" (21mm)

299F



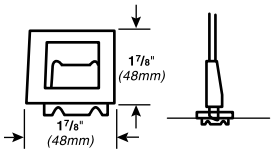
Projection 13/16" (21mm)

499F



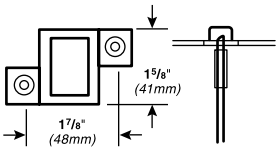
Projection 15/16" (24mm)

304L



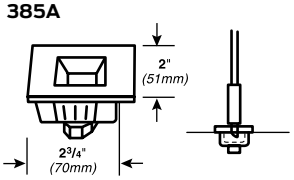
Projection 13/16" (21mm)

338



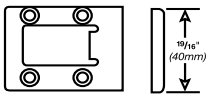
Mortise 5/8" (16mm)

385A



Mortise 2 1/2" (64mm)

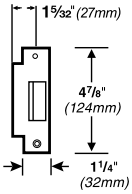
283



For use with WDC devices when used with wood frames

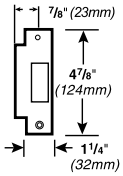
Strikes for mortise lock devices

575



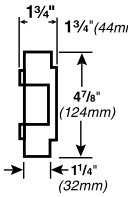
For use on 1 3/4" *(44mm)* or 2 1/4" *(57mm)* Single door and 2 1/4" *(57mm)* double door with coordinator.

575-2



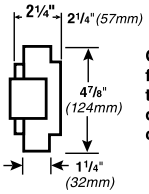
For use on 1 3/4" *(44mm)* thick double door with coordinator and astragal.

576A



Open back strike for 1 3/4" *(44mm)* thick double doors without coordinator.

576B



Open back strike for 2 1/4" *(57mm)* thick double doors without coordinator.

- Not for use with astragals
- For use on wood doors, contact door manufacturer
- Acceptable for 90 minute pair of hollow metal doors

Cylinders

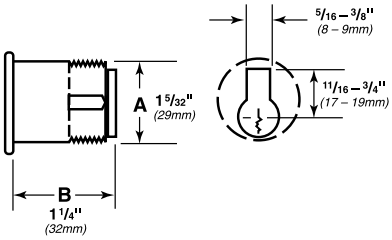
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.

Dogged (inverted) cam

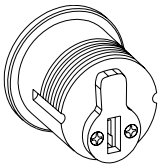
For CD, CDSI, CI and SD

Mortise — 3215
(Schlage 20-001, L583-477 cam)

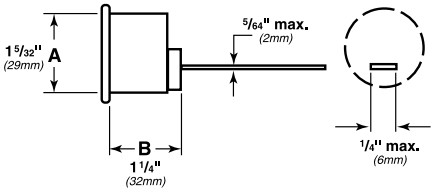
Rim — 3216
(Schlage 20-022)



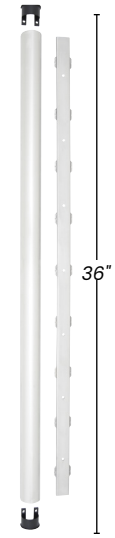
Undogged cam (standard operations)



For ALK, CX, DE5300, RCM, SS and all 98/99 Series mortise cylinder trims and controls



Door kits



Rod guard

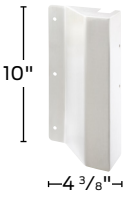
Vertical rod and latch guard (RG-27)

Series RG-27 Vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

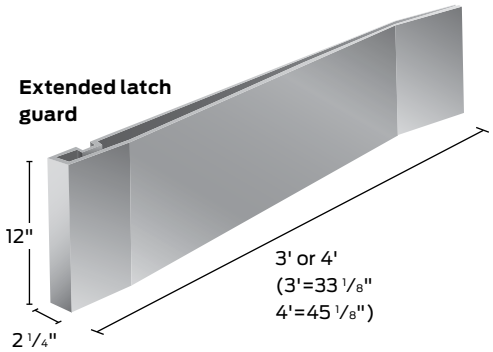
In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45º ramp. The extended latch guard offers a continuous ramp for 3' or 4' doors.

All stainless steel construction in 630 finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.

Latch guard



Extended latch guard



Models

RGO	Rod guard only (projection 1 3/16")
RG-27	Rod and latch guard
RG-27-3	3' (914mm) Rod guard and extended latch guard
RG-27-4	4' (1219mm) Rod guard and extended latch guard
LGO	Latch guard only
LGO-3	3' (914mm) Extended latch guard only
LGO-4	4' (1219mm) Extended latch guard only
WS-LGO-3	3' (914mm) Extended latch guard only for windstorm (WS) devices
WS-LGO-4	4' (1219 mm) Extended latch guard only for windstorm (WS) devices

When using on wood fire doors, high density block is required.

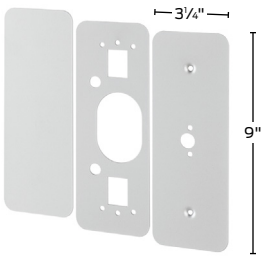
To order, specify:

1. Model number*.
2. Handing (except on RGO).
3. Door material if other than hollow metal.
4. Optional sex bolt mounting available.

* RGO/RG-27 includes one rod guard only, which accommodates bottom or top rod up to 7' door. For longer top rods, specify rod guard quantity required. Also available are the WS-LGO-3; and WS-LGO-4' extended latch guards for use with WS98/9927/57 devices.

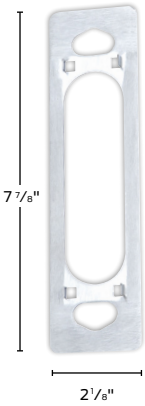
997 Cover plate kit

For 98/99 rim device, kit contains inside and outside plates for hinge stile cutouts, an inside plate for the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations. Specify finish.



Wood door applications cover plate kit (WDA)

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.



#10WDA Cover plate kit for 370 series controls

Glass bead kit (GBK)

Glass bead conversion kits are available for all 98/99 Series devices for use on doors with raised glass beads. Each kit consists of 1/4" (6mm) shim sets. GBK for surface vertical rod ships with 1/8" shims for rod guides.

To order, specify:

1. Device model.
2. GBK.
3. Device type (rim, mortise, surface rod, concealed rod, concealed cable).
4. Wood door (when used with concealed rod or concealed cable device).
5. Specify if using with 499F or 954 strike.
6. Finish.

Example: XP98 GBK Rim 954 SP28

Note: For 330/350 dummy pushbar, order hinge stile shim #971010, quantity 2.

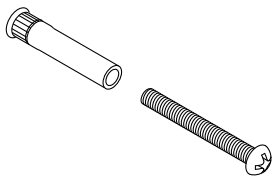
Sex bolts

Sex bolts provide secure mounting by mating with machine screws furnished with devices. Sex bolts are either optional or required, as shown in quantity chart below. Sex bolts ordered separately are not furnished with screws. If screws are required, order device mounting packages.

To order sex bolts

1. If ordering devices with sex bolts, specify SNB (sex nuts and bolts) in device description.
2. If ordering sex bolts separately, specify:
   - Sex bolt model number
   - Package quantity (sold as package of 2)
   - Finish

An alternative to sex bolt mounting is the use of UL or WH approved high density blocking material for wood fire-rated doors. Specify device with SLM (special laminate material) mounting package.



Device type	Function	Sex bolts						
		425			325 for 499F hook		325 for latches	825
		Required Included in device price	Required Added to device price	Optional Added to device price	Required Added to device price	Optional Added to device price	Required Included in device price	Required Added to device price
98/99/XP98/XP99 Rim	EO, NL-OP			6				
	DT, K, L, NL, TP, VR, 392, 696/697			2				
98/99/XP98/XP99 Rim-F, single door, metal door	EO, NL-OP			6				
	DT, K, L, NL, TP, VR, 392, 696/697			2				
98/99/XP98/XP99 Rim-F, double door, metal door	EO, NL-OP			6		2		
	DT, K, L, NL, TP, VR, 392, 696/697			2		2		
98/99/XP98/XP99 Rim-F, single door, wood door	EO, NL-OP, 392, 696/697*		6					
	DT, K, L, NL, TP, VR		2					2
98/99/XP98/XP99 RIM-F, double door, wood door	EO, NL-OP, 392, 696/697*		6		2			
	DT, K, L, NL, TP, VR		2		2			2
(HH)98/99/XP98/XP99 Rim panic and fire, single or double metal door	EO, NL-OP, 392, 696/697*		6			2		
	DT, K, L, NL, TP, VR		2			2		
98/9927/57/-F	EO, NL-OP, TL-OP			6			4	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2			4	2†
98/9927LBR/57LBR	EO, NL-OP, TL-OP			6			2	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2			2	
98/9927LBR-F, metal door	EO, NL-OP, TL-OP			6		2	2	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2		2	2	
98/9927LBR-F, wood door	EO, NL-OP, TL-OP			6	2		2	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2	2		2	
HH98/9927/57/-F	EO, NL-OP, TL-OP, 392, 696/697*		6		2		4	
	DT, K, L, NL, TP, TL, VR		2		2		4	
WS98/9927/57/-F	EO, 392	6					12	
	DT, L, VR	2					12	
98/9947/47WDC /48/49/50/-F, standard or LBR/LBL	EO, NL-OP, TL-OP			6				
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2				
HH98/9947/49/-F	EO, NL-OP, TL-OP, 392, 696/697*		6					
	DT, K, L, NL, TP, TL, VR		2					
98/9952	EO			6				
	L, L-BE			2				
98/9975/-F	EO, NL-OP			6				
	DT, HL, K, L, NL, TP, 392, 696/697			2				
HH98/9975/-F	EO, NL-OP, 392, 696/697*		6					
	DT, HL, K, L, NL, TP		2					
98/99/XP98/XP99 Rim-F, single or double door, SLM blocking	No sex bolts, all applications; special laminate material (SLM) blocking mounting package added to price							
98/9927/57-F, SLM blocking								
98/9947WDC/50-F, standard or LBR/LBL, SLM blocking								
98/9975-F, SLM blocking								

* 696/697 must be milled on the back to sit flush against required 425 sex bolts

† These 825 sex bolts are only required for 98/9957-F on fire-rated wood doors with outside trim.

Mullions

Removable steel mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

- Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of 1/8" (3mm) (except the HH9954 which has thicker walls).
- Mullions are shipped with mounting screws and prepared for strikes. (Strikes are not included except where indicated.)
- Steel mullions are available in SP28 and SP313 finishes. (Consult factory for other powder coat finish options.)

Keyed removable steel mullions (KR)

KR mullions make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without the use of the cylinder key. Uses a 1 1/4" mortise cylinder with a straight cam (Schlage cam reference L583-477). Cylinders are sold separately. Prefix mullion model with "KR". (KR is not available on HH9954 or aluminum mullions.)

Removable aluminum mullions are 1 1/16" (27mm) wide on face closest to the door and 2 3/8" (60mm) at the widest point. The depth is 3 1/8" (79mm) with a wall thickness of 1/8" (3mm).

Aluminum mullions are available in 606, 612, 628, 710 and 622/711 finishes. Consult factory for other powder coat finish options. Aluminum mullions are not available keyed removable.

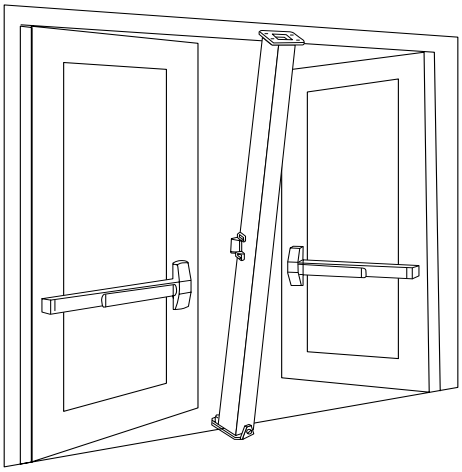
Stock hollow metal applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

Blank mullions

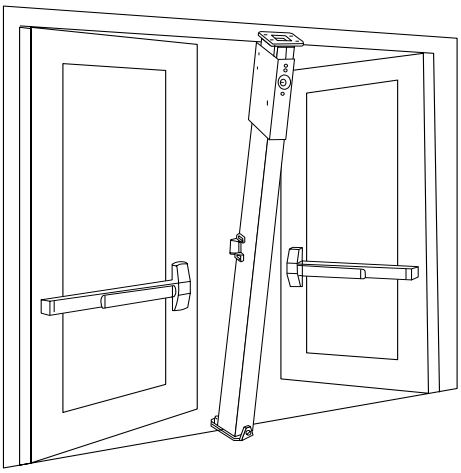
Blank mullions are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

To order, specify:

1. For keyed removable option on steel mullions, prefix model number with "KR"
2. Model number
3. Height of opening
4. Finish
5. Handing if required
6. Centerline deviation (refer to device template for standard centerline)
7. Strikes, when required, should be ordered with device



Removable mullions



Keyed removable steel mullions

Steel and aluminum mullions

Steel mullions

1654 Prepared for two 1606 strikes. If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4954 Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices.

4954-XP Prepared for two 909 strikes, for XP device.

9954 Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 98-F, 99-F devices). UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings. 98-F and 99-F devices are rated up to 10'0" (3048 mm).

Note: If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.

9954-XP Prepared for two 954 strikes, for XP device.

HH9954 Heavy-duty mullion for use in impact-rated hurricane assembly. See UL Listing for Fire Exit Hardware on page 73 and Hurricane rated applications on pages 50-51.

4754 Prepared for two 4263 monitor strikes.

4854 Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.

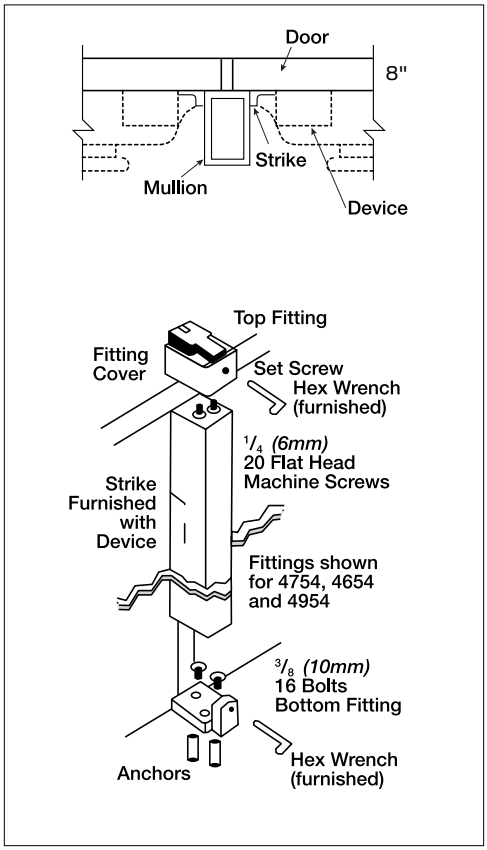
9854 Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labeled mullion for up to 90 minutes openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin fire exit rim devices.

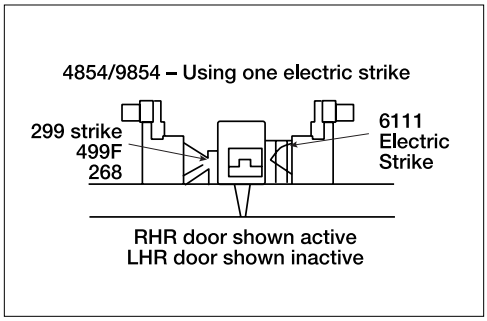
Aluminum mullions

5654 Prepared for two 299 strikes.

5654-XP Prepared for two 909 strikes, for XP device.

5754 Prepared for 1408 double strike.





UL Listing for fire exit hardware

UL Listed fire exit hardware label and opening size

Check with door manufacturers to confirm listing compatibility.

Exit device	Door material	Single door	Double door						
			With 9954 mullion	With 9854 mullion[4]	With KR9954 mullion	With KR9854 mullion[4]	V x V same direction[1]	V x Mortise same direction[3]	V x V double egress
98-F 99-F	Metal, composite (wood or plastic covered)	3 Hour 4' x 10'	3 Hour 8' x 10'	90 Min 8' x 8'	3 Hour 8' x 8'	90 Min 8' x 8'	—	—	—
98-F/99-F with 1439 Strike	Metal, composite (wood or plastic covered)	3 Hour 4' x 8'	—	—	—	—	—	—	—
XP98-F XP99-F	Metal, composite (wood or plastic covered)	3 Hour 4' x 10'	3 Hour 8' x 10'	90 Min 8' x 8'	3 Hour 8' x 8'	90 Min 8' x 8'	—	—	—
9827-F 9927-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9827LBR-F 9927LBR-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'
9827LBR-F[2] 9927LBR-F[2]	Wood core	—	—	—	—	—	20 Min no hose 8' x 8'	20 Min no hose 8' x 8'	20 Min no hose 8' x 8'
9847-F 9947-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9847LBR-F 9947LBR-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 9'	3 Hour 8' x 9'	3 Hour 8' x 9'
9847WDC-F 9947WDC-F	Composite (wood or plastic covered)	—	—	—	—	—	90 Min 8' x 9'3"	—	90 Min 8' x 9'3"
9847WDC-LBR-F 9947WDC-LBR-F	Composite (wood or plastic covered)	—	—	—	—	—	90 Min 8' x 9'3"	—	90 Min 8' x 9'3"
9847WDC-LBR-F[2] 9947WDC-LBR-F[2]	Wood core	—	—	—	—	—	20 Min no hose 8' x 9'3"	—	20 Min no hose 8' x 9'3"
9848-F 9948-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9849-F 9949-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9849LBL-F 9949LBL-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9850-F 9950-F	Metal	—	—	—	—	—	90 Min 8' x 8'	—	90 Min 8' x 8'
9850WDC-F 9950WDC-F	Composite (wood or plastic covered)	—	—	—	—	—	90 Min w/ edge wrap 1 Hour w/o edge wrap 8' x 8'	—	—
9850WDC-LBL-F[2] 9950WDC-LBL-F[2]	Composite (wood or plastic covered)	—	—	—	—	—	20 Min w/ or w/o edge wrap, no hose 8' x 8'	—	—
9857-F 9957-F	Metal	3 Hour 4' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—	—
9857-F/9957-F with 1439 Strike	Metal	3 Hour 4' x 8'							
9875-F 9975-F	Metal, composite (wood or plastic covered)	3 Hour 4' x 10'	—	—	—	—	—	3 Hour See vertical row	—
WS9827-F WS9927-F	Metal, composite (wood or plastic covered)	—	—	—	—	—	3 Hour 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'
WS9857-F WS9957-F	Metal, composite (wood or plastic covered)	3 Hour 4' x 8'	—	—	—	—	—	—	—

1 Fire-rated flush bolts may be substituted on one leaf of a pair in these columns. Substitute two-point flush bolt for vertical devices; or substitute top flush bolt with auxiliary fire bolt for vertical rod LBR/LBL-AFL devices. The opening will carry the fire listing (# hours and opening size) of the least rated component.
2 Not listed for Canada.
3 For Vertical x Mortise opening sizes, see applicable vertical rod/cable device rows.
4 Hourly limitation due to 6111 electric strike listing.

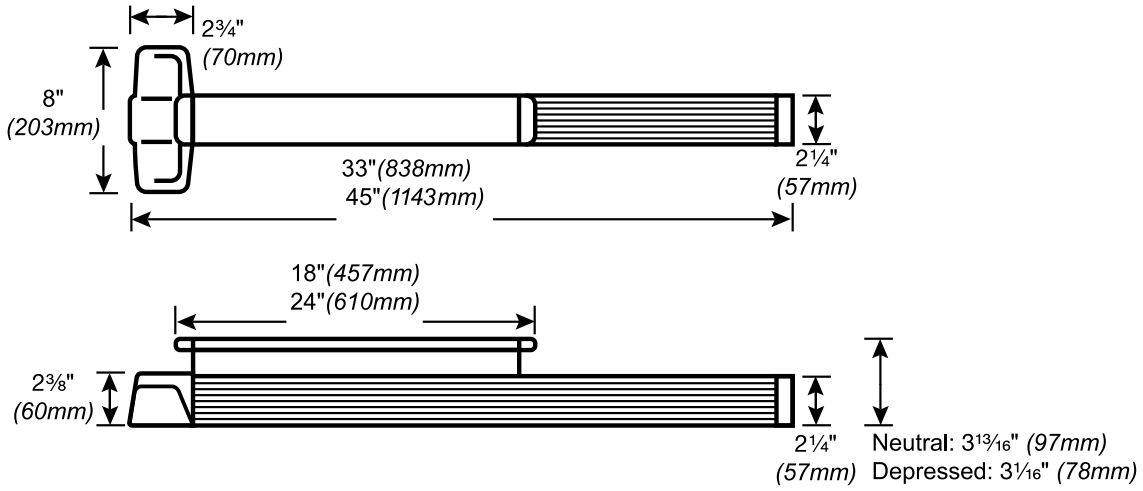
Notes:
Check with door manufacturers to confirm listing compatibility.
Overlapping astragal may not be used on pairs swinging same direction with vertical rods or cables on both leaves.

Function, grade and type options

ANSI Function, grade and type

Function	Grade 1, type 1	Grade 1, type 2	Grade 1, type 3	Grade 1, type 7	Grade 1, type 7	Grade 1, type 8	Grade 1, type 8	Grade 1, type 8	Grade 1, type 9
1	98EO/-F 99EO/-F	9827EO/-F 9927EO/-F	9875EO/-F 9975EO/-F	9847WDCEO/-F 9947WDCEO/-F	9850WDCEO/-F 9950WDCEO/-F	9847EO/-F 9947EO/-F	9848EO/-F 9948EO/-F	9849EO/-F 9949EO/-F	9857EO/-F 9957EO/-F
2	98DT 99DT	9827DT 9927DT	9875DT 9975DT	9847WDCDT 9947WDCDT	9850WDCDT 9950WDCDT	9847DT 9947DT	9848DT 9948DT	9849DT 9949DT	9857DT 9957DT
3	98NL/-F 99NL/-F	9827NL/-F 9927NL/-F	9875NL/-F 9975NL/-F	9847WDCNL/-F 9947WDCNL/-F	9850WDCNL/-F 9950WDCNL/-F	9847NL/-F 9947NL/-F	9848NL/-F 9948NL/-F	9849NL/-F 9949NL/-F	9857NL/-F 9957NL/-F
3	98K-NL/-F 99K-NL/-F	9827K-NL/-F 9927K-NL/-F	9875K-NL/-F 9975K-NL/-F	9847WDCK-NL/-F 9947WDCK-NL/-F	9850WDCK-NL/-F 9950WDCK-NL/-F	9847K-NL/-F 9947K-NL/-F	9848K-NL/-F 9948K-NL/-F	9849K-NL/-F 9949K-NL/-F	9857K-NL/-F 9957K-NL/-F
3	98L-NL/-F 99L-NL/-F	9827L-NL/-F 9927L-NL/-F	9875L-NL/-F 9975L-NL/-F	9847WDCL-NL/-F 9947WDCL-NL/-F	9850WDCL-NL/-F 9950WDCL-NL/-F	9847L-NL/-F 9947L-NL/-F	9848L-NL/-F 9948L-NL/-F	9849L-NL/-F 9949L-NL/-F	9857L-NL/-F 9957L-NL/-F
5	98TP/-F 99TP/-F	9827TP/-F 9927TP/-F	9875TP/-F 9975TP/-F	9847WDCTP/-F 9947WDCTP/-F	9850WDCTP/-F 9950WDCTP/-F	9847TP/-F 9947TP/-F	9848TP/-F 9948TP/-F	9849TP/-F 9949TP/-F	9857TP/-F 9957TP/-F
7	98TP-2/-F 99TP-2/-F		9875TP-2/-F 9975TP-2/-F						
8	98K/-F 99K/-F	9827K/-F 9927K/-F	9875K/-F 9975K/-F	9847WDCK/-F 9947WDCK/-F	9850WDCK/-F 9950WDCK/-F	9847K/-F 9947K/-F	9848K/-F 9948K/-F	9849K/-F 9949K/-F	9857K/-F 9957K/-F
8	98L/-F 99L/-F	9827L/-F 9927L/-F	9875L/-F 9975L/-F	9847WDCL/-F 9947WDCL/-F	9850WDCL/-F 9950WDCL/-F	9847L/-F 9947L/-F	9848L/-F 9948L/-F	9849L/-F 9949L/-F	9857L & F 9957L/-F
10	98K-2 /-F 99K-2/-F		9875K-2/-F 9975K-2/-F						
10	98L-2/-F 99L-2/-F		9875L-2/-F 9975L-2/-F						
11/12		9827TL/-F 9927TL/-F		9847WDC/-F 9947WDC/-F	9850WDC/-F 9950WDC/-F	9847TL/-F 9947TL/-F	9848/-F 9948/-F	9849/-F 9949/-F	9857TL/-F 9957TL/-F
14	98K-BE/-F 99K-BE/-F	9827K-BE/-F 9927K-BE/-F	9875K-BE/-F 9975K-BE/-F	9847WDCK-BE/-F 9947WDCK-BE/-F	9850WDCK-BE/-F 9950WDCK-BE/-F	9847K-BE/-F 9947K-BE/-F	9848K-BE/-F 9948K-BE/-F	9849K-BE/-F 9949K-BE/-F	9857K-BE/-F 9957K-BE/-F
14	98L-BE/-F 99L-BE/-F	9827L-BE/-F 9927L-BE/-F	9875L-BE/-F 9975L-BE/-F	9847WDCL-BE/-F 9947WDCL-BE/-F	9850WDCL-BE/-F 9950WDCL-BE/-F	9847L-BE/-F 9947L-BE/-F	9848L-BE/-F 9948L-BE/-F	9849L-BE/-F 9949L-BE/-F	9857L-BE/-F 9957L-BE/-F
16		9827TL-BE/-F 9927TL-BE/-F		9847WDC/-F 9947WDC/-F	9850WDC/-F 9950WDC/-F	9847TL-BE/-F 9947TL-BE/-F	9848/-F 9948/-F	9849/-F 9949/-F	9857TL-BE/-F 9957TL-BE/-F

Dimensions



Stile information

Device type	Standard single door			Standard double door			Optional single door			Optional double door		
	Strike	Trim/stile		Strike w/mullion*	Trim/Stile		Strike	Trim/stile		Strike w/mullion*	Trim/Stile	
		990/996	696/697		990/996	696/697		990/996	696/697		990/996	696/697
98/99	299	$4\frac{1}{2}$" (114mm)	$4\frac{3}{8}$" (111mm)	299 x 4954	$4\frac{7}{8}$" (124mm)	$4\frac{3}{4}$" (121mm)	1439 or 1410	$3\frac{13}{16}$" (97mm)	$3\frac{13}{16}$" (97mm)	299 x 5654	$4\frac{7}{16}$" (113mm)	$4\frac{1}{4}$" (108mm)
										1408 x 5754	$3\frac{13}{16}$" (97mm)	$3\frac{13}{16}$" (97mm)
							1606	$4\frac{1}{16}$" (103mm)	$3\frac{15}{16}$" (100mm)	1606 x 1654	$4\frac{3}{8}$" (112mm)	$4\frac{1}{4}$" (108mm)
XP 98/99	909			909 x 4954-XP			—	—	—	—	—	—
98-F/99-F	299F	$4\frac{1}{2}$" (114mm)	$4\frac{3}{8}$" (111mm)	499F x 9954	$4\frac{7}{8}$" (124mm)	$4\frac{3}{4}$" (121mm)	—	—	—	499F x 9854 KR9954	—	—
XP98-F/ XP99-F	909			954 x 9954-XP			—	—	—	—	—	—
9875 9975	575	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)	575-2	—	—	—	—	—	576A-576B	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
9875-F 9975-F	575			575-2	—	—	—	—	—	576A-576B	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
9857 9957	299 (Top) 299 (Middle) 304L/248L-4 (Bottom)	$4\frac{1}{2}$" (114mm)	$4\frac{3}{8}$" (111mm)	299 x 4954	$4\frac{7}{8}$" (124mm)	$4\frac{3}{4}$" (121mm)	1439 or 1410	$3\frac{13}{16}$" (97mm)	$3\frac{13}{16}$" (97mm)	299 x 5654	$4\frac{7}{16}$" (113mm)	$4\frac{1}{4}$" (108mm)
										1408 x 5754	$3\frac{13}{16}$" (97mm)	$3\frac{13}{16}$" (97mm)
							1606	$4\frac{1}{16}$" (103mm)	$3\frac{15}{16}$" (100mm)	1606 x 1654	$4\frac{3}{8}$" (112mm)	$4\frac{1}{4}$" (108mm)
9857-F 9957-F	299F* (Top) 299F (Middle) 304L (Bottom)	$4\frac{1}{2}$" (114mm)	$4\frac{3}{8}$" (111mm)	299F 499F x 9954 304L	$4\frac{7}{8}$" (124mm)	$4\frac{3}{4}$" (121mm)	—	—	—	—	—	—

	Strike	Optional strike	Application	Trim/stile	
				990/996	696/697
9827 9927 Latch retraction	299 (Top) 304L/248L-4 (Bottom)	260U (Top) 385A (Bottom)	Single door	$3\frac{11}{16}$" (94mm)	$3\frac{5}{8}$" (92mm)
PL9827/PL9927 Pullman latch	299 (Top) 304L/248L-4 (Bottom)		Two vertical rod devices	$3\frac{11}{16}$" (94mm)	$3\frac{5}{8}$" (92mm)
9827-F 9927-F	299F* (Top) 304L (Bottom)	260U (Stainless) 385A (Bottom)			
9847 9947 9848 9948	338 (Top) 385A (Bottom)	304L (Bottom)	Vertical rod with Mortise lock device	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
9847-F 9947-F 9848-F 9948-F	338 (Top) 385A (Bottom)	304L (Bottom)	Two vertical rods	$4\frac{1}{4}$" (108mm)	$4\frac{1}{8}$" (105mm)
			Vertical rod with Mortise lock device	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
9847WDC 9947WDC	338 (Top) 385A (Bottom)	304L (Bottom)	Single door	$4\frac{1}{4}$" (108mm)	$4\frac{1}{4}$" (108mm)
			Two vertical rod devices	$4\frac{1}{4}$" (108mm)	$4\frac{1}{4}$" (108mm)
9847WDC-F 9947WDC-F	338 (Top) 385A (Bottom)	304L (Bottom)	Two vertical rod devices	$4\frac{1}{4}$" (108mm)	$4\frac{1}{4}$" (108mm)
9849 9949 9849 9949	249 (Top) 349 (Bottom)	—	Vertical cable with Mortise lock device	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
9849-F 9949-F 9849-F 9949-F	249 (Top) 349 (Bottom)	—	Two vertical cable	$4\frac{1}{4}$" (108mm)	$4\frac{1}{8}$" (105mm)
			Vertical cable with Mortise lock device	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
9850WDC 9950WDC	150 (Top) 450 (Bottom)	—	Single door	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
			Two vertical Cable devices	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)
9850WDC-F 9950WDC-F	150 (Top) 450 (Bottom)	—	Two Vertical Cable Devices	$4\frac{3}{4}$" (121mm)	$4\frac{3}{4}$" (121mm)

*499F strike is the top strike for LBR applications.

Lever styles and finishes

Decorative levers

M51 [2]

M52 [2]

M53

M54

M55

M56

M57 [1]

M61 [3]

M62 [1,3]

M63 [3]

M81 [2]

M82

M83

M84

M85 [3]

ME1 [2,3,4]

ME2 [2,3,4]

ME3 [2,3]

1. Available in stainless steel substrate ONLY.
2. Knurling available, specify KN when ordering.
3. Handed.
4. Designed with Gensler as product design consultant.

Standard levers

01

02 [2]

03 [1,2]

05

06 [1,2] (Default lever)

07 [2]

12 [3]

16 - Omega

17 [1,2]

18

ACC - Accent [3]

AST - Asti [3]

MER - Merano [3]

LAT [1] - Latitude

LON [1] - Longitude

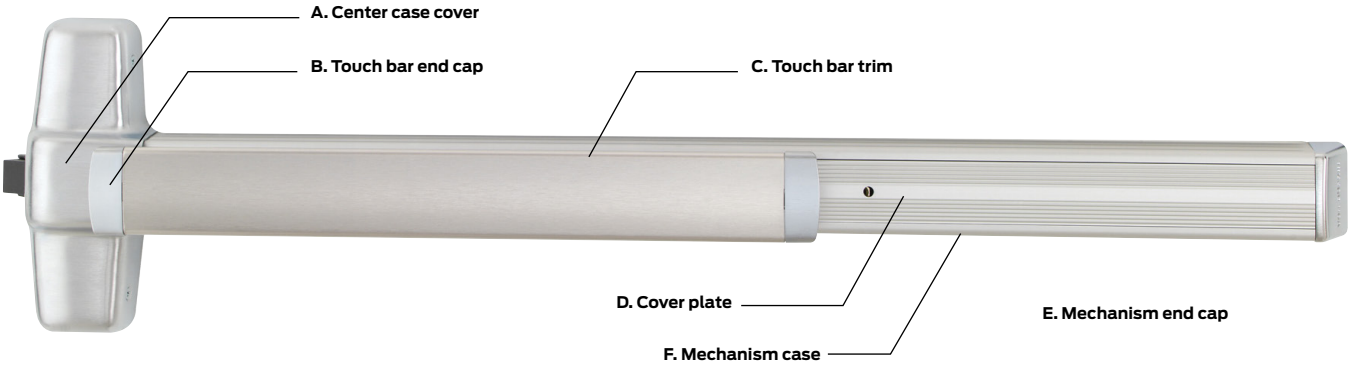
1. Available in Stainless Steel - specify SS when ordering.
2. Knurling available, specify KN when ordering.
3. Handed.

Finish options*						
Color	Bright Brass	Satin Brass	Satin Bronze	Satin Nickel	Matte Black/ Anodized	Bright Chrome
ANSI/BHMA number	605	606	612	619	622/711	625

Finish options*						
Color	Satin Chrome	Aluminum, anodized	Satin Stainless	Aged Bronze	Black Paint	Dark Brown, Anodized
ANSI/BHMA number	626/626AM†	628	630/630AM†	643e	693	710

* Durable powder coated finishes available at special request. Please contact factory.
† AM = Antimicrobial

Device finish options



Finishes

Color	BHMA number	A, B, E	C	D and F
Bright brass	605	Bright brass	Bright brass, 605	Buffed anodized
Satin brass	606	Satin brass	Satin brass, 606	Anodized
Satin bronze	612	Plated	Satin bronze, 612	Anodized
Satin bronze, oil-rubbed	613	Oil rubbed bronze	Oil rubbed bronze, 613	Powder coat
Bright chrome	625	Plated	Bright stainless steel, 629	Buffed anodized
Satin chrome	626	Plated	Satin stainless steel, 630	Anodized
Satin stainless steel*	630	Stainless steel	Satin stainless steel, 630	Anodized
Aluminum, anodized	628	Powder coat	Satin stainless steel, 630	Anodized
Duranodic dark bronze	710	Powder coat	Powder coat	Powder coat
Black	622	Powder coat	Powder coat	Powder coat
Aged bronze	643e	Relieved aged bronze	Relieved aged bronze	Aged bronze, no relief

Notes

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions.

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