

VON DUPRIN®

33 and 35 Exit Devices

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VON DUPRIN®

33 and 35 Exit Devices

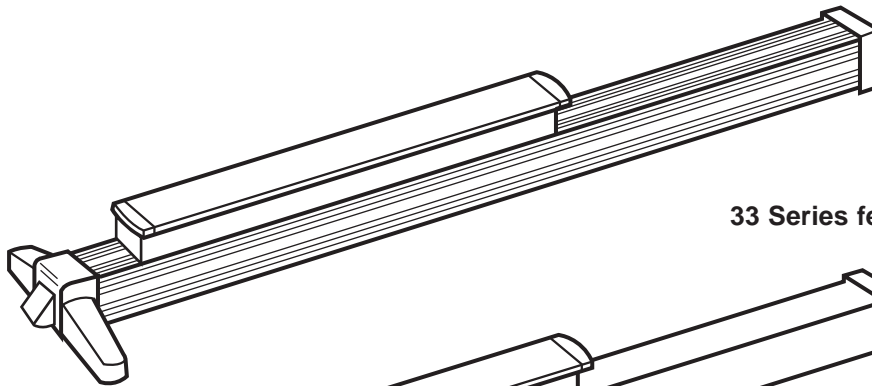
INTRODUCTION

The proper selection and application of exit hardware, in addition to safety, are major concerns to all responsible manufacturers. Exit devices are a critical part of a door opening or access system and will provide safe and reliable service when properly applied and maintained. It is the policy of Von Duprin Division, Ingersoll-Rand Company, to design and manufacture exit devices to a high standard of quality and reliability in accordance with accepted U.S. domestic and international standards. All 33 and 35 series exit devices are UL listed for Accident Hazard and Fire Exit Hardware, and are tested in accordance to ANSI A156.3, 1994, Grade I.

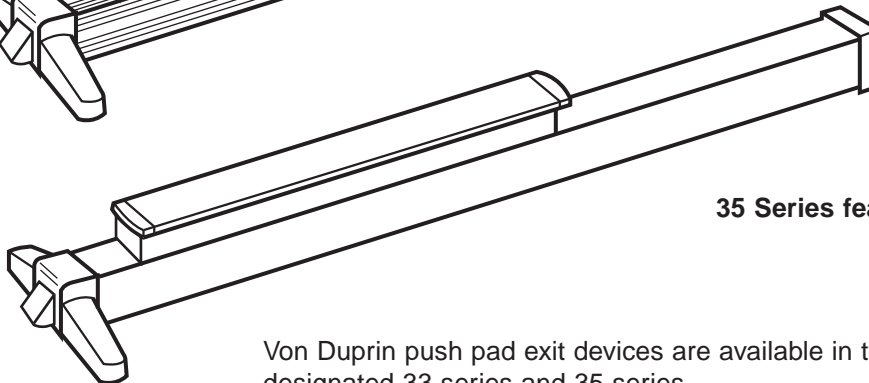
It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.

Unusual operating conditions and environments and other external influences can affect the proper application of the products represented. Modifications of these products will also affect UL listings. It is recommended that whenever an unusual application condition exists, or when any modification of a product is considered, that our engineers review the application.

Application engineering services are available to help ensure proper selection or to review any areas where users of Von Duprin products may have questions.



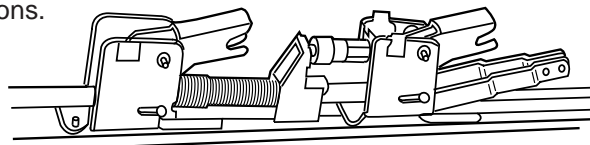
33 Series features grooved mechanism case.



35 Series features smooth mechanism case.

Von Duprin push pad exit devices are available in two external surface styles, designated 33 series and 35 series.

The two styles are mechanically and dimensionally identical and provide a wide selection of appearance options.

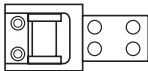
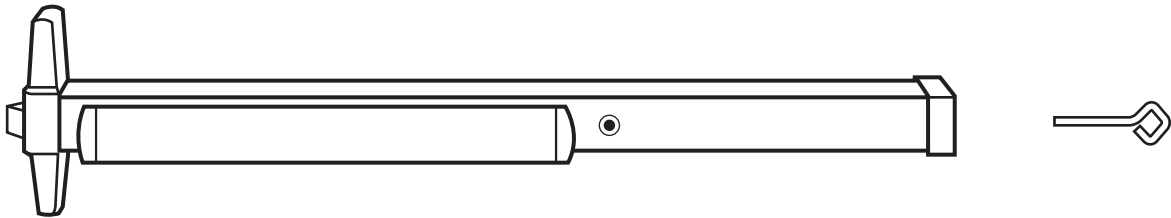


THE QUIET ONE®

A fluid dampener decelerates the push pad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 33/35 series exit devices.

VON DUPRIN®

33 and 35 Rim Devices



1409

33 and 35 rim devices for all types of single and double doors with mullion, UL listed for accident hazard installations. Fits door stiles as narrow as 1¾" (44mm).

FEATURES

- Nonhanded
- Field sizeable
- ¾" (19mm) throw latch bolt
- Seven popular finishes
- Hex key dogging

DIMENSIONS

Touchbar height to finished floor	39 ¹³ / ₁₆ " (1011mm) at center
Touchbar projection — neutral	3 ¹³ / ₁₆ " (97mm)
depressed	3 ¹ / ₁₆ " (78mm)
Center case	7½" × 2 ⁵ / ₁₆ " × 1 ⁵ / ₁₆ " (191mm × 59mm × 33mm)
Device length — Short 3' (914mm)	2'6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3'1" to 4' (940mm to 1219mm) door size

STRIKE AND FASTENERS

Device is furnished standard with 1409 strike in dull black finish. For strike dimensions and optional strike information, refer to page 12. Sex nuts and bolts are furnished standard for mounting on 1¾" (44mm) and 2¼" (57mm) thick doors.

DEVICE OPTIONS

Electric latch retraction, page 14.
Request to exit switch, page 14.
Latch bolt monitoring switch, page 15.
Signal switch, page 15.
Cylinder dogging, page 16.

OUTSIDE TRIM

Standard

333NL-TP
334
333DT
370L

Optional

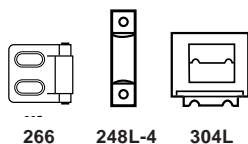
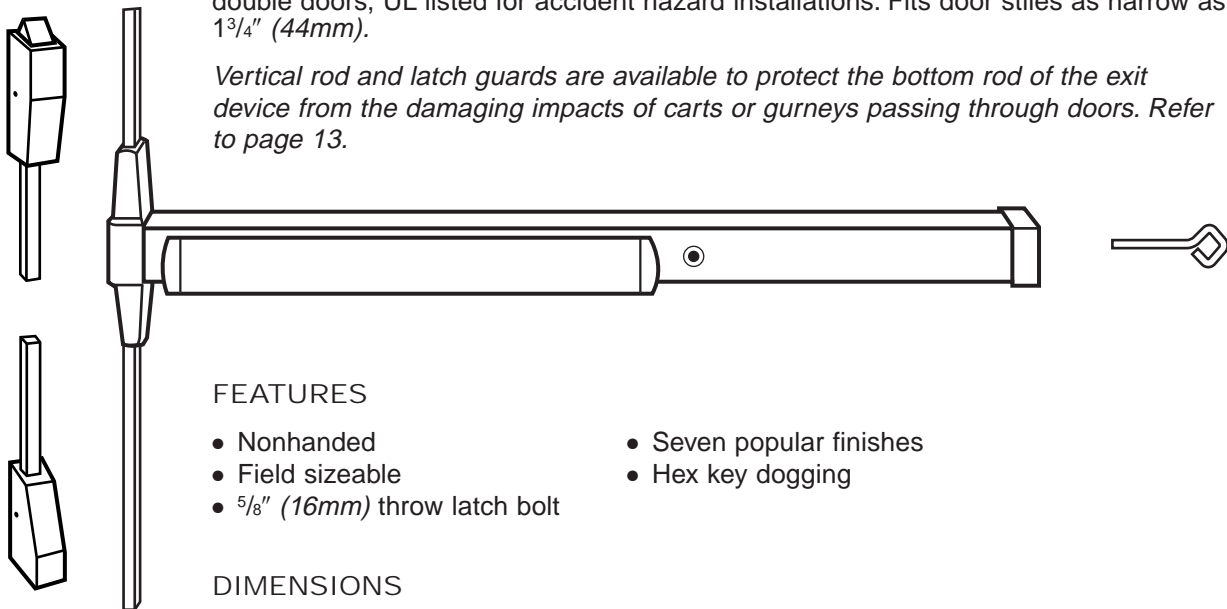
3308NL
3308DT
370T
334 × 550DT

For complete outside trim information, see pages 10-11.

For How-To-Order information on all devices, see page 21.

VON DUPRIN®

33 and 35 Surface Mounted Vertical Rod Device



Touchbar height to finished floor	$39\frac{13}{16}$ " (1011mm) at center
Touchbar projection — neutral	$3\frac{13}{16}$ " (97mm)
depressed	$3\frac{1}{16}$ " (78mm)
Center case	$7\frac{1}{2}$ " \times $2\frac{5}{16}$ " \times $1\frac{5}{16}$ " (191mm \times 59mm \times 33mm)
Device length — Short 3' (914mm)	2'6" to 3' (762mm to 914mm) door size
Long 4'	3'1" to 4' (940mm to 1219mm) door size
Top & bottom latch case	4" \times $1\frac{7}{8}$ " \times $1\frac{1}{2}$ " (1219mm \times 48mm \times 38mm)
Vertical rods	$\frac{1}{2}$ " (13mm) square tubing

STRIKES AND FASTENERS

Device is furnished standard 248L-4, 266, and 304L strikes. For strike dimensions and optional strike information, refer to page 12. Sex nuts and bolts are furnished standard for mounting on $1\frac{3}{4}$ " (44mm) and $2\frac{1}{4}$ " (57mm) thick doors.

DEVICE OPTIONS

Electric latch retraction, page 14.
Request to exit switch, page 14.
Latch bolt monitoring switch, page 15.
Signal switch, page 15.
Cylinder dogging, page 16.

OUTSIDE TRIM

Standard

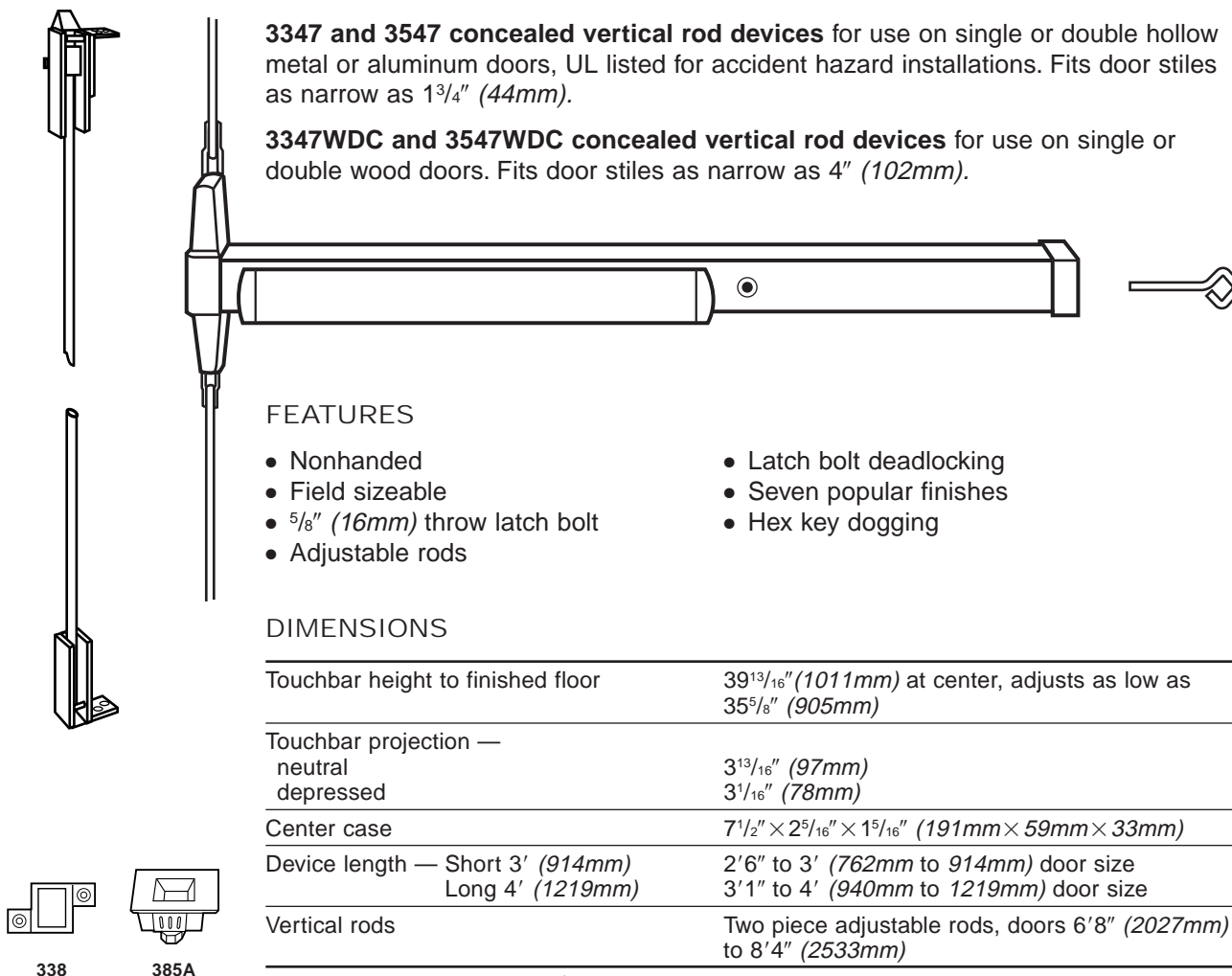
333NL-TP
333DT
370L
374T \times 333DT

For complete outside trim information, see pages 10-11.

For How-To-Order information on all devices, see page 21.

VON DUPRIN®

33 and 35 Concealed Vertical Rod Device



3347 and 3547 concealed vertical rod devices for use on single or double hollow metal or aluminum doors, UL listed for accident hazard installations. Fits door stiles as narrow as 1³/₄" (44mm).

3347WDC and 3547WDC concealed vertical rod devices for use on single or double wood doors. Fits door stiles as narrow as 4" (102mm).

FEATURES

- Nonhanded
- Field sizeable
- 5/8" (16mm) throw latch bolt
- Adjustable rods
- Latch bolt deadlocking
- Seven popular finishes
- Hex key dogging

DIMENSIONS

Touchbar height to finished floor	39 ¹³ / ₁₆ " (1011mm) at center, adjusts as low as 35 ⁵ / ₈ " (905mm)
Touchbar projection — neutral	3 ¹³ / ₁₆ " (97mm)
depressed	3 ¹ / ₁₆ " (78mm)
Center case	7 ¹ / ₂ " × 2 ⁵ / ₁₆ " × 1 ⁵ / ₁₆ " (191mm × 59mm × 33mm)
Device length — Short 3' (914mm)	2'6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3'1" to 4' (940mm to 1219mm) door size
Vertical rods	Two piece adjustable rods, doors 6'8" (2027mm) to 8'4" (2533mm)

Note: Maximum door undercut, 1/4" (6mm).

STRIKES AND FASTENERS

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 12. Sex nuts and bolts are furnished standard for mounting on 1³/₄" (44mm) and 2¹/₄" (57mm) thick doors.

DEVICE OPTIONS

Electric latch retraction, page 14.
Request to exit switch, page 14.
Latch bolt monitoring switch, page 15.
Signal switch, page 15.
Cylinder dogging, page 16.

OUTSIDE TRIM

Standard

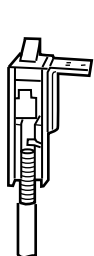
337NL-TP
337DT
372L
376T × 337DT

For complete outside trim information, see pages 10-11.

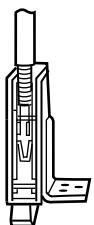
For How-To-Order information on all devices, see page 21.

VON DUPRIN®

33 and 35 Concealed Vertical Rod Device



3348 and 3548 concealed vertical rod devices for use on single or double hollow metal or aluminum doors, UL listed for accident hazard installations. Fits door stiles as narrow as $1\frac{3}{4}"$ (44mm) and standard $\frac{3}{4}"$ (19mm) undercuts.



FEATURES

- Nonhanded
- Field sizeable
- $\frac{3}{4}"$ (19mm) throw latch bolt, top
- $1\frac{1}{2}"$ (37mm) throw latch bolt, bottom
- Adjustable rods
- Latch bolt deadlocking
- Seven popular finishes
- Hex key dogging

DIMENSIONS

Touchbar height to finished floor	$39\frac{13}{16}"$ (1011mm) at center, adjusts as low as $35\frac{5}{8}"$ (905mm)
Touchbar projection — neutral	$3\frac{13}{16}"$ (97mm)
depressed	$3\frac{1}{16}"$ (78mm)
Center case	$7\frac{1}{2}" \times 2\frac{5}{16}" \times 1\frac{5}{16}"$ (191mm \times 59mm \times 33mm)
Device length — Short 3' (914mm)	2'6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3'1" to 4' (940mm to 1219mm) door size
Vertical rods	Two piece adjustable rods, doors 6'8" (2027mm) to 8'4" (2533mm)

Note: Maximum door undercut, $\frac{3}{4}"$ (19mm).



338



385A

STRIKES AND FASTENERS

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 12. Sex nuts and bolts are furnished standard for mounting on $1\frac{3}{4}"$ (44mm) and $2\frac{1}{4}"$ (57mm) thick doors.

DEVICE OPTIONS

Electric latch retraction, page 14.
Request to exit switch, page 14.
Latch bolt monitoring switch, page 15.
Signal switch, page 15.
Cylinder dogging, page 16.

OUTSIDE TRIM

Standard

337NL-TP

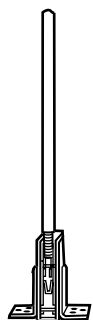
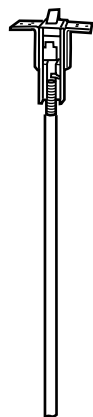
372L

376T \times 337DT

For complete outside trim information, see pages 10-11.

For How-To-Order information on all devices, see page 21.

33 and 35 Fire Exit Concealed Vertical Rod Device



338



385A

3347-F and 3547-F fire exit concealed vertical rod devices for use on 8' × 8' (2438mm × 2438mm) double metal doors, UL listed for 3 hour fire labeled installations. Fits door stiles as narrow as 3 1/2" (89mm).

3347WDC-F and 3547WDC-F fire exit concealed vertical rod devices for use on 8' × 9'3" (2438mm × 2819mm) double wood doors, UL listed for 90 minute fire labeled installations. Fits door stiles as narrow as 3 1/2" (89mm).

Less Bottom Rod – LBR

LBR option is available, 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 double egress doors, 90 minutes doors swinging same direction, and 20 minute wood doors.

FEATURES

- Nonhanded
- Field sizeable
- 5/8" (16mm) throw latch bolt
- Adjustable rods
- Latch bolt deadlocking
- Seven popular finishes

DIMENSIONS

Touchbar height to finished floor	39 13/16" (1011mm) at center, adjusts as low as 35 5/8" (905mm)
Touchbar projection — neutral	3 13/16" (97mm)
depressed	3 1/16" (78mm)
Center case	7 1/2" × 2 5/16" × 1 5/16" (191mm × 59mm × 33mm)
Device length — Short 3' (914mm)	2'6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3'1" to 4' (940mm to 1219mm) door size
Vertical rods	3/8" (10mm) round tubing

Note: Maximum door undercut, 1/4" (6mm).

STRIKES AND FASTENERS

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 12. Sex nuts and bolts are furnished standard for mounting on 1 3/4" (44mm) and 2 1/4" (57mm) thick doors.

OUTSIDE TRIM

Standard

337NL-TP

372L

376T × 337DT

For complete outside trim information, see pages 10-11.

DEVICE OPTIONS

Electric latch retraction, page 14.

Request to exit switch, page 14.

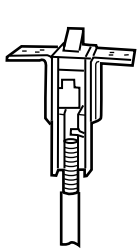
Latch bolt monitoring switch, page 15.

Signal switch, page 15.

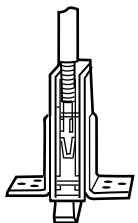
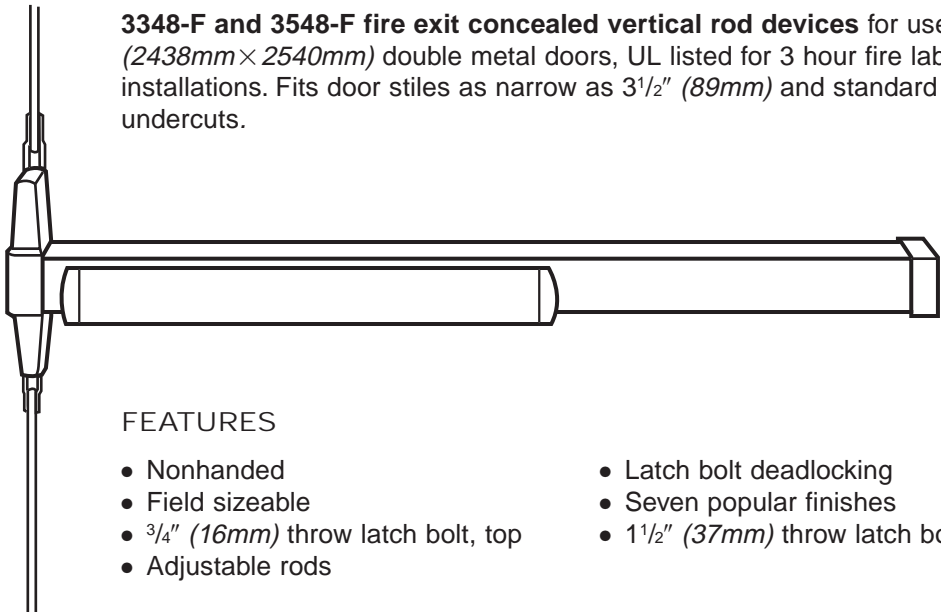
Cylinder dogging, page 16.

For How-To-Order information on all devices, see page 21.

VON DUPRIN®
33 and 35 Fire Exit Concealed Vertical Rod Device



3348-F and 3548-F fire exit concealed vertical rod devices for use on 8' × 10' (2438mm × 2540mm) double metal doors, UL listed for 3 hour fire labeled installations. Fits door stiles as narrow as 3 1/2" (89mm) and standard 3/4" (19mm) undercuts.



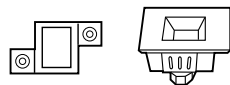
FEATURES

- Nonhanded
- Field sizeable
- 3/4" (16mm) throw latch bolt, top
- Adjustable rods
- Latch bolt deadlocking
- Seven popular finishes
- 1 1/2" (37mm) throw latch bolt, bottom

DIMENSIONS

Touchbar height to finished floor	39 13/16" (1011mm) at center, adjusts as low as 35 5/8" (905mm)
Touchbar projection — neutral	3 13/16" (97mm)
depressed	3 1/16" (78mm)
Center case	7 1/2" × 2 5/16" × 1 5/16" (191mm × 59mm × 33mm)
Device length — Short 3' (914mm)	2' 6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3' 1" to 4' (940mm to 1219mm) door size
Vertical rods	3/8" (10mm) round tubing

Note: Maximum door undercut, 3/4" (19mm).



338

385A

STRIKES AND FASTENERS

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 12. Sex nuts and bolts are furnished standard for mounting on 1 3/4" (44mm) and 2 1/4" (57mm) thick doors.

DEVICE OPTIONS

Electric latch retraction, page 14.
Request to exit switch, page 14.
Latch bolt monitoring switch, page 15.
Signal switch, page 15.
Cylinder dogging, page 16.

OUTSIDE TRIM

Standard

337NL-TP
372L
376T × 337DT

For complete outside trim
information, see pages
10-11.

For How-To-Order information on all devices, see page 21.

VON DUPRIN®

33 and 35 Trim Selection

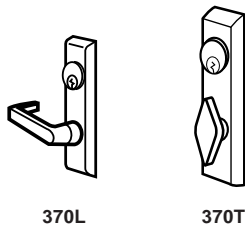
Function		01 Exit Only	02 Pull When Dogged	02 Pull When Dogged	03 Key Retracts Latchbolt	03 Key Retracts Latchbolt	03 Key Retracts Latchbolt	05/06 NL - Push Button Operates With Key Only TP - Key Locks Push Button	08/09 Key Locks Lever	11/12 Key Locks Thumbturn
Trim Number and Dimensions		333DT	3308DT	334	3308NL	334 × Pull	333NL-TP	370L	370T, 374T, 376T▲	
Device/Trim Center Line To Finished Floor										
Projection		—	2 1/16" (62mm)	2 1/16" (62mm)	1 5/16" (24mm)	2 1/16" (52mm)	2 5/8" (67mm)	2 3/4" (70mm)	2 5/8" (67mm)	1 13/16" (46mm)
Rim	Panic	33EO 35EO	33DT 35DT	33DT × 3308DT 35DT × 3308DT	33NL-OP 35NL-OP	33NL-OP × 3308NL 35NL-OP × 3308NL	33NL-OP × 550 35NL-OP × 550	33NL-TP 35NL-TP	33L 35L	33TL 35TL
	Ctr. Line	39 13/16" (1011mm)	39 13/16" (1011mm)	A 39 13/16" (1011mm) B 35 1/16" (891mm)	A 39 13/16" (1011mm) B 41 15/16" (1065mm)	A 39 13/16" (1011mm) B 35 1/16" (891mm)	A 39 13/16" (1011mm) B 39 13/16" (1011mm)	39 13/16" (1011mm)	A 39 13/16" (1011mm) B 37 15/16" (964mm)	A 39 13/16" (1011mm) B 53 1/2" (1359mm)
Surface Mounted Vertical Rod	Panic	3327EO 3527EO	3327DT 3527DT	—	—	—	—	3327NL-TP 3527NL-TP	3327L 3527L	3327TL 3527TL
	Ctr. Line	—	A 39 13/16" (1011mm)	—	—	—	—	B 39 13/16" (1011mm)	B 37 15/16" (964mm)	B 53 1/2" (1359mm)
Concealed Vertical Rod	Panic	3347EO 3547EO	3347DT 3547DT	—	—	—	—	3347NL-TP 3547NL-TP	3347L 3547L	3347TL 3547TL
	Ctr. Line	—	A 39 13/16" (1011mm)	—	—	—	—	B 39 13/16" (1011mm)	B 38 9/16" (979mm)	B 53 1/2" (1359mm)
Fire Exit Concealed Vertical Rod	Panic	3347EO-F 3547EO-F	—	—	—	—	—	3347NL-TP-F 3547NL-TP-F	3347L-F 3547L-F	3347TL-F 3547TL-F
	Ctr. Line	—	—	—	—	—	—	B 39 13/16" (1011mm)	B 38 9/16" (979mm)	B 53 1/2" (1359mm)
	Panic	3348EO-F 3548EO-F	—	—	—	—	—	3348NL-TP-F 3548NL-TP-F	3348L-F 3548L-F	3348TL-F 3548TL-F
	Ctr. Line	—	—	—	—	—	—	B 39 13/16" (1011mm)	B 38 9/16" (979mm)	B 53 1/2" (1359mm)
Additional SNB requirements		2	2	2	1	1	1	2	2	2
Cylinder Type Required	Rim	—	—	—	Rim	Rim	Rim	Rim	Mortise	Mortise
	Vert. Rod	—	—	—	—	—	—	Rim	Mortise	Mortise
	C. V. R.	—	—	—	—	—	—	Rim	Mortise	Mortise
	Fire C. V. R.	—	—	—	—	—	—	Rim	Mortise	Mortise

▲Wood door applications require the use of a 10WDA cover plate.

VON DUPRIN®

33 and 35 Trim Selection

STANDARD TRIM

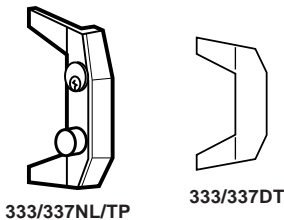


SERIES 370L

Lever control has a forged brass $\frac{7}{8}$ " (22mm) thick escutcheon. Optional lever designs are available.

SERIES 370T

Thumbturn control has a forged brass $\frac{7}{8}$ " (22mm) thick escutcheon. Often used with 333/337DT or 550 pull trim.

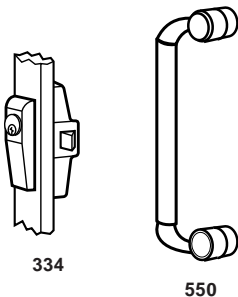


SERIES 333/337

Heavy aluminum extrusion body with forged brass pull handle. Available functions: 333DT for rim and surface vertical rod, 337DT for concealed vertical rod, 333NL-TP for rim and surface vertical rod, and 337NL-TP for concealed vertical rod.

SERIES 334

Heavy aluminum forged $\frac{15}{16}$ " (24mm) thick cylinder mount. Often used with 333/337DT or 550 pull trim. Cylinder must be ordered separate.



OPTIONAL TRIM

SERIES 550

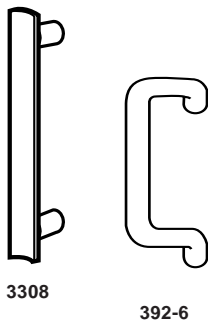
Heavy aluminum brackets with 10" (254mm) stainless steel pull bar. DT function only.

3308 SERIES TRIM

3308 series trim is available for 33 rim device applications. Available for NL or DT operation. Not recommended for double doors using 5554 or 5754 mullions. Use trim suffix, example 33NL-OP × 3308NL.

SERIES 392-6

Offset pull throughbolts to 33/35 exit device, $\frac{3}{4}$ " (19mm) solid brass wire. US26D finish only.



LEVER DESIGN OPTIONS



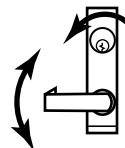
To order, specify:

1. Use suffix lever number, example 3327L × 03.

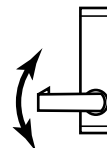
OPERATION OPTIONS — 370 SERIES LEVER AND THUMBTURN



Standard operation, key locks and unlocks lever or thumbturn.



Night latch available using the NL cylinder plate furnished standard, lever retracts latch for NL function.



Blank escutcheon, lever always active. Use BE suffix, i.e., 370L-BE, 372L-BE.

VON DUPRIN®

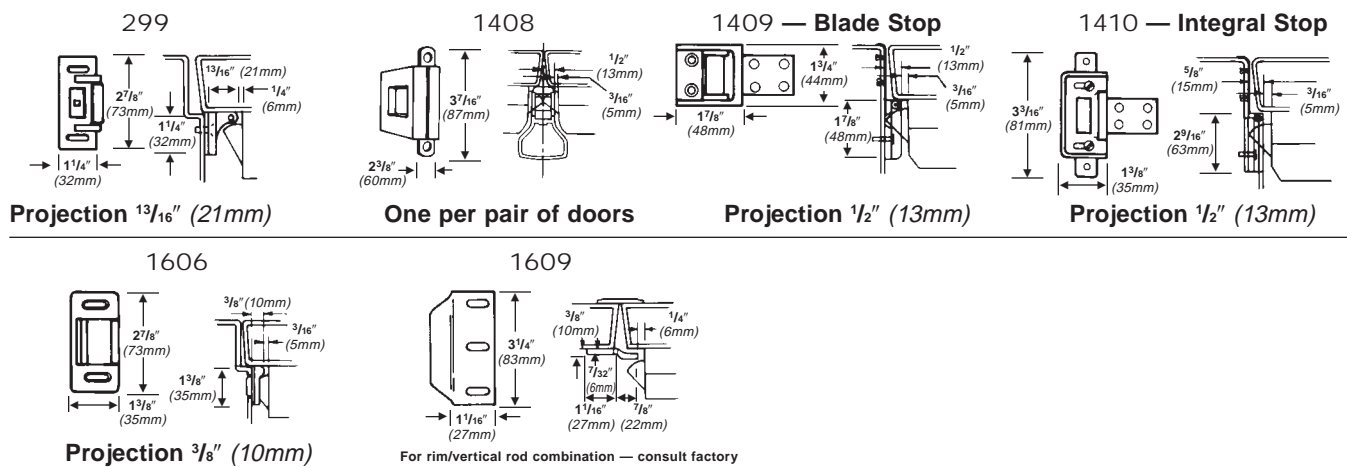
33 and 35 Strike/Stile Information

STRIKE APPLICATION/MINIMUM STILE

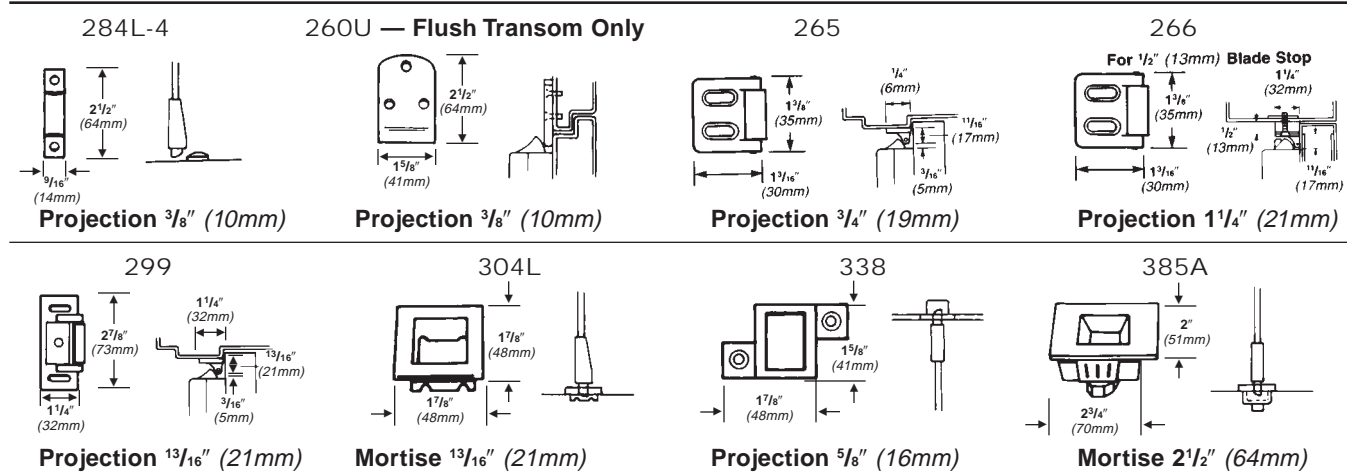
Device Type	Standard				Optional			
	Single door		Double door		Single door		Double door	
	Strike	Stile	Strike w/Mullion*	Stile	Strike	Stile	Strike w/Mullion*	Stile
33	1409	1 ³ / ₄ " (44mm)	1408 × 5754	1 ³ / ₄ " (44mm)	1410	1 ³ / ₄ " (44mm)	299 × 5654	2 ⁵ / ₈ " (67mm)
35					1606	2 ¹ / ₂ " (64mm)	1606 × 1654	2 ³ / ₄ " (70mm)
3327	266 (Top)	1 ³ / ₄ " (44mm)	266 (Top)	1 ³ / ₄ " (44mm)	266/299 (Top)	3 ¹ / ₈ " (79mm)	266/299 (Top)	2 ¹ / ₈ " (54mm)
3527	304L (Bottom)		304L (Bottom)		385A (Bottom)		385A (Bottom)	
Latch Retraction	248L-4 (Bottom)		248L-4 (Bottom)		260U/266 (Top)	2 ¹ / ₈ " (54mm)	260U/266 (Top)	1 ³ / ₄ " (44mm)
					385A (Bottom)		385A (Bottom)	
3347, 3348	338 (Top)	2 ¹ / ₂ " (64mm)	338 (Top)	1 ³ / ₄ " (44mm)	304L (Bottom)	2 ¹ / ₂ " (64mm)	304L (Bottom)	1 ³ / ₄ " (44mm)
3547, 3548	385A (Bottom)		385A (Bottom)					
3347WDC								
3547WDC								
3347-F, 3348-F	—	—	338 (Top)	3 ¹ / ₂ " (89mm)	—	—	304L (Bottom)	3 ¹ / ₂ " (89mm)
3547-F, 3548-F			385A (Bottom)					
3347WDC-F								
3547WDC-F								

*Mullion information—Refer to the General and Auxiliary Catalog.

STRIKES FOR RIM DEVICES



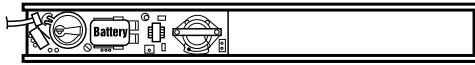
STRIKES FOR VERTICAL ROD DEVICES



VON DUPRIN®

33 and 35 Options

ALK EXIT ALARM KIT



The ALK battery alarm kit is a simple yet effective way to monitor the use of an exit device. While still a means of egress, the unit contains an internal horn, when the touchbar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated.

The key switch uses a standard 1 $\frac{1}{4}$ " (32mm) mortise cylinder. The unit operates on one standard 9-volt transistor battery. When the battery is weak the horn will emit an intermittent signal.

Alarm kits are available with a choice of two switch kits, S1 or S2. S1 monitors the touchpad and is furnished standard, S2 optional latchbolt monitoring is recommended for use with surface vertical rod exit devices. Specify ALK-S2.

The ALK is available in two styles, 33/99ALK, grooved cover and 35/98ALK, smooth cover.

The ALK includes "EMERGENCY EXIT ONLY. ALARM WILL SOUND" decal for application on door.

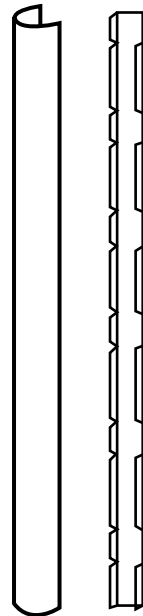
Minimum Door Sizes

Device	3' (914mm) Length	4' (1219mm) Length
33/35	2'9" (838mm)	3'3" (991mm)
3327/3527	2'8" (813mm)	3'2" (966mm)
3347/3347-F/3547/3547-F	2'8" (813mm)	3'2" (966mm)
3348/3348-F/3547/3547-F	2'8" (813mm)	3'2" (966mm)

PS9 POWER SUPPLY

The PS9 is an AC power supply that provides 9 VDC power to operate the ALK alarm kit. The unit will power one or two alarm kits. Included is a 9-volt sealed battery that provides backup power in case of an AC power failure. PS9 must be ordered separately.

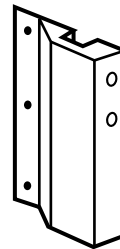
VERTICAL ROD AND LATCH GUARD — RG-27



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 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 $\frac{1}{4}$ "W × 10"H × 1 $\frac{7}{8}$ " projection.



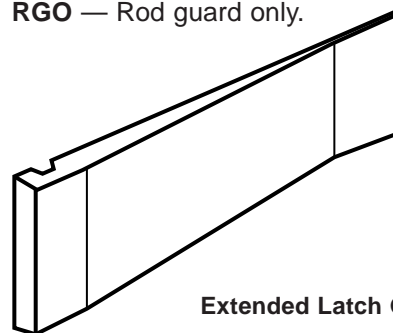
Models

RG-27 — Rod and latch guard.

RG-27-3 — 3' (914mm) Extended rod and latch guard.

RG-27-4 — 4' (1219mm) Extended rod and latch guard.

RGO — Rod guard only.



Extended Latch Guard

LGO — Latch guard only.

LGO-3 — 3' (914mm) Extended latch guard only.

LGO-4 — 4' (1219mm) Extended latch guard only.

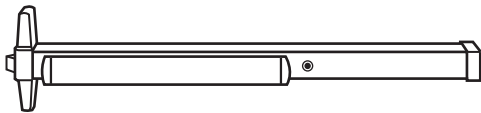
To order, specify:

1. Model number

VON DUPRIN®

33 and 35 Options

ELECTRIC LATCH RETRACTION—EL



The EL feature allows for the remote unlocking of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for momentary unlocking, or for extended periods of time. The EL feature is an alternate to manual dogging.

EL devices are also useful with automatic door operators, and may be applied to fire-rated devices when under the control of an **automatic fire alarm system**.

UL approved for Class II circuit applications.

This feature 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 PS-872 power supply.)

Solenoid Specifications:

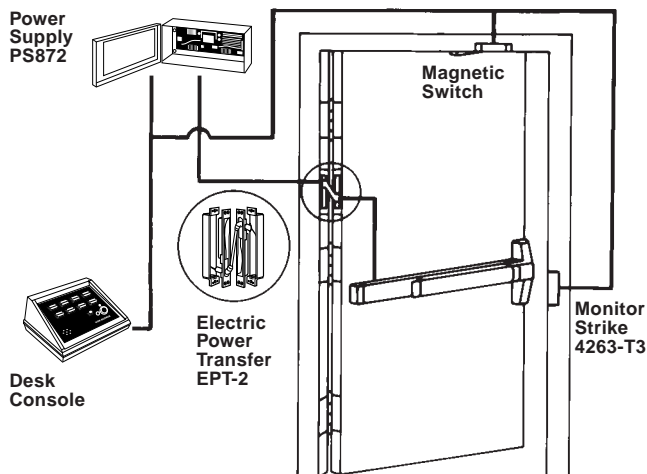
Continuous Duty	24 VDC
Current Inrush.....	16 Amps
Current Holding (300 milliamps).....	0.3 Amps

To order specify:

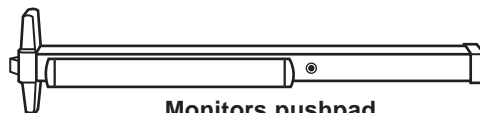
1. Use prefix EL, example EL33NL-TP.

This system provides both monitoring of the door security as well as remote latch retraction for push-pull operation.

POPULAR EL APPLICATION



REQUEST TO EXIT — RX



Monitors pushpad

The RX (Request to Exit) feature is used to signal the use of an opening. These devices are equipped with one internal SPDT switch which monitors the touch bar.

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. A continuous current electric transfer must be used for transferring power from the frame to the door.

Note: The RX switch option should not be used to control a load, but as a signalling switch (5.0 amps. maximum). The RX device was designed for use with the 5200 Delayed Exit Control System; other applications should have approval by the local authority having jurisdiction.

Electrical Ratings:

0.5 Amp., 24 VDC

To order, specify:

1. Use prefix RX, example RX33EO.

VON DUPRIN®

33 and 35 Options

SIGNAL SWITCH — SS



Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. These devices are equipped with two internal SPDT switches. One switch monitors both the touch bar 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 master keyable cylinder for alarm "bypass."

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. A continuous current electric transfer must be used for transferring power from the frame to the door.

Electrical Ratings:

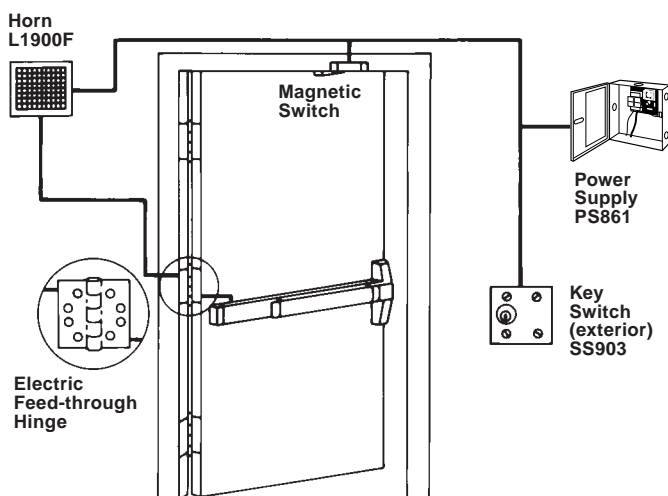
Each switch rated 0.5 Amp. 24 VDC

To order, specify:

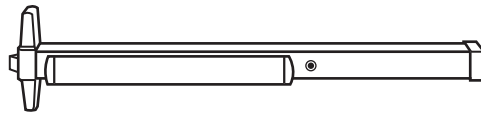
1. Use prefix SS, example SS33NL-TP.
2. Finish, see page 19 (touch pad finish is US32D only).
3. Handing LHR or RHR.
4. Size 3' or 4' (914mm or 1219mm).

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

POPULAR SS APPLICATION



LATCH BOLT MONITORING — LX



The LX feature is used to signal the use of an opening. These devices are 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. A continuous current electric transfer must be used for transferring power from the frame to the door.

Note: The LX switch option should not be used to control a load, but as a signalling switch (5.0 amps. maximum).

Electrical Ratings:

0.5 Amp., 24 VDC

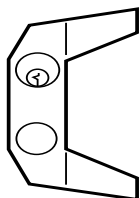
To order, specify:

1. Use prefix LX, example LX33EO.

VON DUPRIN®

33 and 35 Accessories

SIGNAL SWITCH TRIM — SS-333



The SS-333 outside trim contains a SPDT switch for monitoring the operation of the outside push button. This switch may be used as a monitoring device or as an alarm inhibit for passage through a monitored door without causing an alarm.

This trim is designed for use on aluminum or hollow metal doors. The wiring in aluminum doors must be routed through the door using the stile and top rail.

An electric feed-through hinge may be used to transfer power from the frame to the door.

The SS-333 trim is available for use with 33 rim or 3327 surface mounted vertical rod devices. Not recommended for NL function. Cylinder not included.

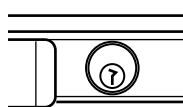
Electrical Ratings:

0.5 Amps. 24 VDC

To order, specify:

1. SS-333, R (rim) or V (vertical rod).
2. Finish, see page 19.
3. Hanging, see page 22.

CYLINDER DOGGING — CD



Cylinder dogging is available on all 33/35 devices to replace the standard hex key dogging. Unit requires a standard 1¹/₄" (32mm) mortise cylinder.

To order, specify:

1. Use prefix CD, example CD33NL-TP.

CYLINDER DOGGING KIT — CDK

For field conversions, a cylinder dogging conversion kit is available.

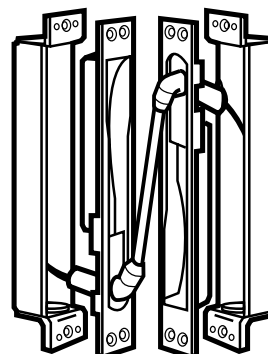
Order: 33/99CDK or 35/98CDK, specify finish.

HEX KEY DOGGING KIT — HDK

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

Order: 33/99HDK or 35/98HDK, specify finish.

ELECTRICAL POWER TRANSFER



The EPT provides a means to transfer power from the frame to the door stile in EL33/35 1³/₄" (44mm) thick door applications; up to 5" (127mm) butt hinges — 180° opening, 3/4" (19mm) offset privots — 180° opening, 5¹/₂" (140mm) butt hinges — 130° opening, and 6" (152mm) butt hinges — 110° opening. When the door is closed, the unit is concealed and tamper resistant.

Two models are available, EPT-2 (two 18 gauge wires) and EPT-10 (ten 24 gauge wires).

UL Fire Listed for use with listed rim, and vertical rod fire devices with electric latch retraction feature.

Dimensions

Housing	9" × 1 ¹ / ₄ " × 1 ¹ / ₂ " (229mm × 32mm × 38mm)
Conductors	Two 18 AWG., ten 24 AWG
Rating	EPT-2, 2 Amps. at 24 VDC, 16 Amp. maximum surge EPT-10, 2 Amp. at 24 VDC

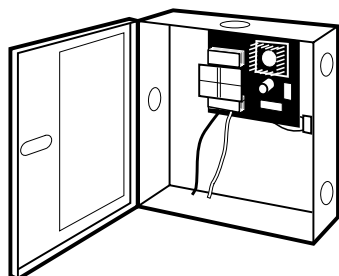
To order, specify:

1. EPT-2 or EPT-10.
2. Finish, SP28 (sprayed aluminum) or SP313 (sprayed duranodic).

VON DUPRIN®

33 and 35 Accessories

POWER SUPPLIES



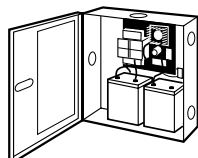
Standard
UL Listed
Class 2, Power Supply
UL1012
UL1310

The series PS861 power supply is designed for electric locking or monitoring on single or double door applications. The output power is field selectable for either 24 VDC @ 1 ampere or 12 VDC @ 2 ampere. Standard input 120 VAC @ 0.6 ampere and 240 VAC @ 0.3 ampere available. The terminal block will accept up to 14 gauge stranded wire.

The gray enclosure is 10" × 10" × 4" (254mm × 254mm × 102mm), has a hinged cover, and is constructed of heavy 19 gauge steel. Six 1/2" (13mm) knockout holes are provided for conduit connection.

Options include keylock cover and sealed lead acid battery pack. The pair of batteries will provide back-up power for three hours at full load or seven hours at half load. Batteries will automatically recharge when failed power is restored.

FOUR MODELS:



*With keylock
and batteries*

PS861	Standard supply
PS861K	Standard supply with keylock cover
PS861B	Battery backup
PS861BK	Battery backup and keylock cover

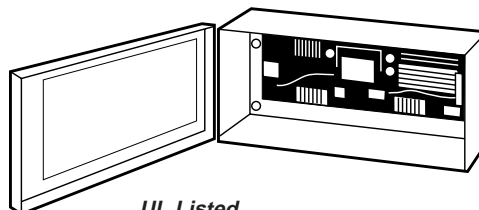
DUMMY PUSH BAR



The 330 dummy push bar is designed as a companion unit for all 33 devices. The 350 dummy push bar is a companion unit for all 35 devices. The touch bar is rigid or nonfunctioning. A push/pull operation can be accomplished by using 337DT or 370L-DT trim.

To order, specify:

1. 330 or 350.
2. Size 3' or 4' (914mm or 1219mm).
3. Finish, see page 19.



UL Listed
Class 2, Power Supply
UL1012
UL1310

The series PS871 power supply is designed to operate electric locking or monitoring exit devices, except EL (electric latch retraction). The regulated output power is field selectable for either 24 VDC @ 2 ampere or 12 VDC @ 4 ampere. Standard input 120 VAC @ 1.0 ampere or 240 VAC @ 0.5 ampere is available.

The gray enclosure is 5 7/8" × 12 1/2" wide × 5" deep (149mm × 318mm × 127mm), has a hinged cover, and is constructed of heavy 19 gauge steel. Three 1/2" × 3/4" (13mm × 19mm) knockout holes are provided for conduit connection. The terminal block will accept up to 14 gauge wire.

Option — An 871-2 circuit card is available for field installation. The 871-2 converts the PS871 to the equivalent PS872 and will operate two EL devices.

The series PS872 power supply is designed to operate two EL (electric latch retraction) exit devices and replaces the MPB842. The regulated output power is 24 VDC @ 2 ampere. Standard input 120 VAC @ 1.0 ampere or 240 VAC @ 0.5 ampere is available.

The gray enclosure is 5 7/8" × 12 1/2" wide × 5" deep (149mm × 318mm × 127mm), has a hinged cover, and is constructed of heavy 19 gauge steel. Three 1/2" × 3/4" (13mm × 19mm) knockout holes are provided for conduit connection. The terminal block will accept up to 14 gauge wire.

Option — An 871-2 circuit card is available for field installation. The 871-2 is a two zone controller card and, when added to the PS872, will operate four EL exit devices. It replaces the RBS884.

To Order, Specify:

1. Model number

VON DUPRIN®

33 and 35 Additional Information

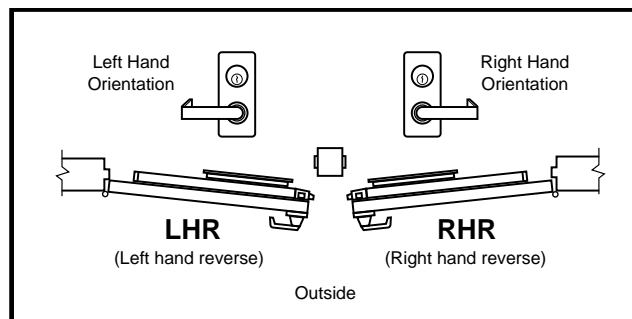
ANSI GRADE, TYPE & FUNCTION

Function	Grade 1, Type 4	Grade 1, Type 5	Grade 1, Type 6 & 8	Grade 1, Type 7
01	33EO, 35EO	3327EO, 3527EO	3347EO, 3347EO-F 3547EO, 3547EO-F 3348EO, 3348EO-F 3548EO, 3548EO-F	3347WDC-EO, 3547WDC-EO
02	33DT, 35DT	3327DT, 3527DT	3347DT, 3547DT 3348DT, 3548DT	3347WDC-DT, 3547WDC-DT
03	33NL-OP, 35NL-OP	—	—	—
05-06	33NL-TP, 35NL-TP	3327NL-TP, 3527NL-TP	3347NL-TP, 3347NL-TP-F 3547NL-TP, 3547NL-TP-F 3348NL-JP, 3348NL-TP-F 3548NL-TP, 3548NL-TP-F	3347WDC-NL-TP 3547WDC-NL-TP
08-09	33L, 35L	3327L, 3527L	3347L, 3347L-F 3547L, 3547L-F 3348L, 3348L-F 3548L, 3548L-F	3347WDC-L, 3547WDC-L
11-12	33TL, 35TL	3327TL, 3527TL	3347TL, 3347TL-F 3547TL, 3547TL-F 3348TL, 3348TL-F 3548TL, 3548TL-F	3347WDC-TL, 3547WDC-TL

UL LISTED — FIRE EXIT HARDWARE LABEL/ OPENING SIZE

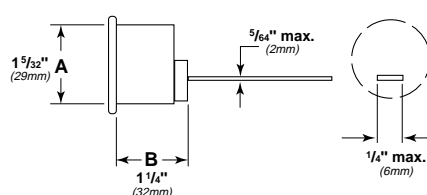
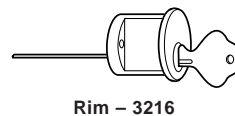
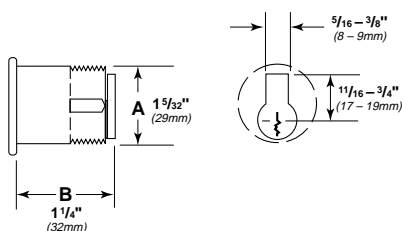
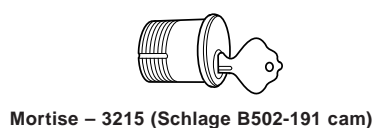
Double Door		
Exit Device	Same Direction	Double Egress
3347-F	90 Min. 8' × 8'	3 Hour 8' × 8'
3547-F	90 Min. 8' × 8'	3 Hour 8' × 8'
3347-F-WDC	90 Min. 8' × 9'3"	—
3547-F-WDC	90 Min. 8' × 9'3"	—
3348-F	90 Min. 8' × 10'	3 Hour 8' × 10'
3548-F	90 Min. 8' × 10'	3 Hour 8' × 10'

HANDING

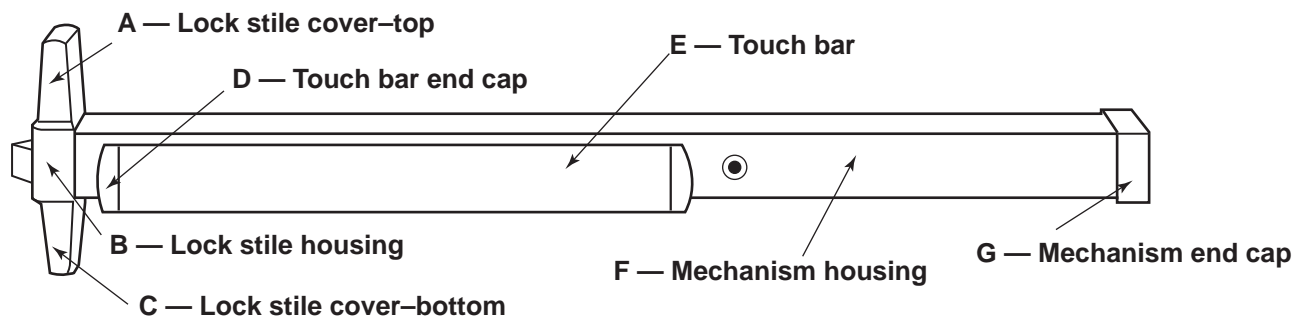


CYLINDERS

Cylinders are not furnished with device or trim and must be specified when ordering. Rim, surface vertical rod, and concealed vertical rod exit devices use rim type cylinders. Mortise lock exit devices and series 370 controls use mortise type cylinders.



33 and 35 Additional Information

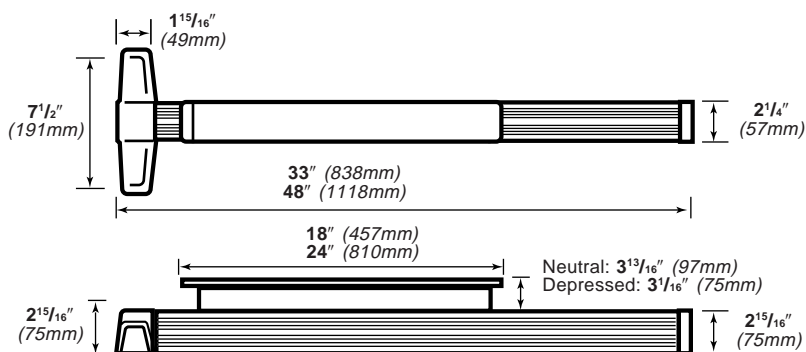


FINISHES

Color	US Number	BHMA Number	A, B, C, D, G	E	F
Brass, Polished	US3	BHMA605	Plated	Brass, Polished US3, BHMA605	Buffed Anodized
Brass, Dull	US4	BHMA	Anodized	Brass, Dull US4, BHMA606	Anodized
Bronze, Dull	US10	BHMA688	Anodized	Bronze, Dull US10, BHMA612	Anodized
Chrome, Polished	US26	BHMA625	Plated	Stainless Steel, Polished US32, BHMA629	Buffed Anodized
Chrome, Dull	US26D	BHMA626	Plated	Stainless Steel, Satin US32D, BHMA630	Anodized
Aluminum, Anodized	US28	BHMA628	Anodized	Stainless Steel, Satin US32D, BHMA630	Anodized
Duranodic Dark Bronze	313	—	Anodized	Walnut grain vinyl	Anodized

Touch Bar Options—Knurled—Black vinyl—Embossed “Push”, bronze or stainless steel

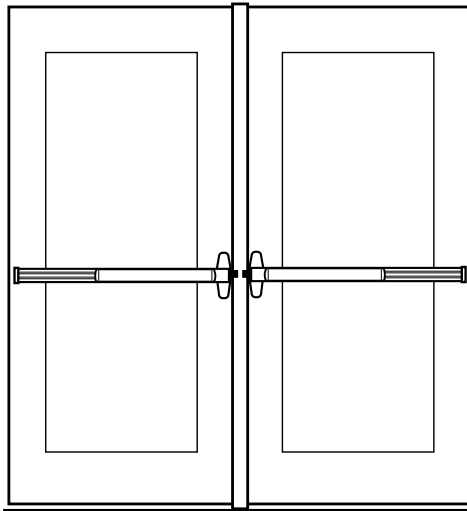
DIMENSIONS



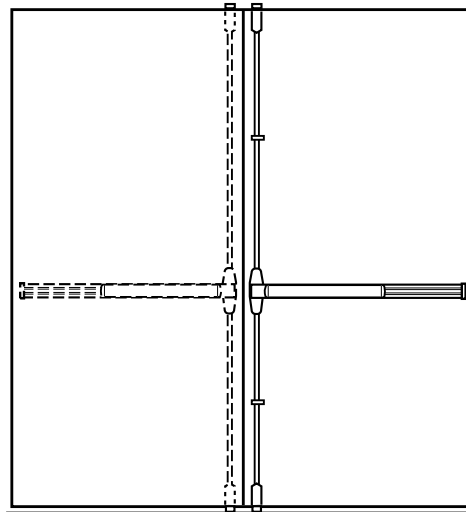
VON DUPRIN®

33 and 35 Additional Information

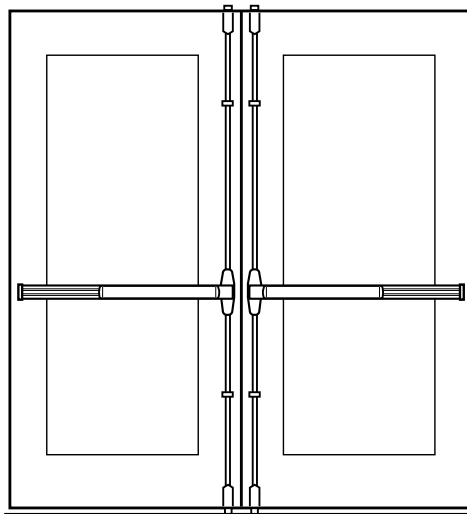
POPULAR DOUBLE DOOR APPLICATIONS



Two rim devices with mullion —
same direction



Two vertical rods — double egress



Two vertical rod devices —
same direction (do not use with
overlapping astragal)

VON DUPRIN®

33 and 35 Additional Information

HOW-TO-ORDER INFORMATION

Rim devices, specify:

1. Exit device model number with trim selection.
Examples: 33EO (exit only with no outside trim).
33NL-OP (includes standard 334 trim). 33NL-OP
× 3308NL (includes the optional 3308NL trim).
2. Size 4' (1219mm) for door sizes 3'1" (940mm) to
4' (1219mm). Size 3' (914mm) for door sizes 2'6"
(792mm) to 3' (914mm) is shipped standard.
3. Door thickness if other than 1³/₄" (44mm).
4. Door and frame material if other than hollow
metal.
5. Finish, see page 19.
6. Handing required on "L," "SS," or "TP-BE." Specify
LHR or RHR. See page 18.

Vertical rod devices, specify:

1. Exit device model number with trim selection.
Example: 3327EO (exit only with no outside
trim). 3327NL-OP (includes standard 334 trim).
3327NL-OP × 3308NL (includes the optional
3308NL trim).
2. Size 4' (1219mm) for door sizes 3'1" (940mm) to
4' (1219mm). Size 3' (914mm) for door sizes 2'6"
(792mm) to 3' (914mm) is shipped standard.
3. Door thickness if other than 1³/₄" (44mm).
4. Door height if greater than 7' (2134mm),
extension rods must be ordered.
5. Door and frame material if other than hollow
metal.
6. Finish, see page 19.
7. Handing required on "L," "SS," or "TP-BE." Specify
LHR or RHR. See page 18.

Pullman latches are optional for 33/3527 devices.
Latchbolts remain extended at all times. Specify
"Pullman Latch" when required.

VON DUPRIN®

33 and 35 Additional Information

NOMENCLATURE

		EL	33	47	WDC	NL-TP	-F	-BE
CD	— Cylinder Dogging	}	}	}	}	}	}	}
EL	— Electric Latch Retraction							
ES	— Electric Strike (obsolete)							
LX	— Latch Bolt Monitoring							
PL	— Pullman Latch							
RX	— Request to Exit							
SS	— Signal Switch							
33	— Series 33	}	}	}	}	}	}	}
35	— Series 35							
None	— Rim Device	}	}	}	}	}	}	}
27	— Surface Mounted Vertical Rod Device							
37	— Use 47-F (37 obsolete)							
47	— Concealed Vertical Rod Device							
48	— Concealed Vertical Rod Device							
WDC	— Wood Door Concealed	}	}	}	}	}	}	}
DT	— Dummy Trim							
EO	— Exit Only							
L	— Lever							
NL-OP	— Night Latch Cylinder Assembly							
NL-TP	— Night Latch/Thumbpiece							
TL	— Turn Lever							
F	— Fire Exit Device	}	}	}	}	}	}	}
BE	— Blank Escutcheon (trim always operable)							
LBR	— Less Bottom Rod							