

9847-F/9947-F Concealed Vertical Rod Fire Exit Device

VON DUPRIN



9847-F/9947-F fire exit concealed vertical rod device for use on pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for Fire Exit Hardware. See page 68 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. 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: SS (Signal Switch) devices. See Opposite page for available outside trim and functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

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 (shipped less UL label) 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 Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center Case Dimensions	8" x 2 3/4" x 2 5/8" (203mm x 70mm x 60mm)
Mechanism Case Dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar Neutral – 3 1/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm)
Latch Bolt	Deadlocking Anti-friction Top & Bottom Bolt, 5/8" (16mm) throw
Door Undercut	1/4" (7mm) maximum
Top & 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).
Fasteners & Sex Bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal doors. Optional 425 SNB available.
Electric Options	LX Latchbolt Monitor Switch RX Pushpad Monitor Switch RX2 Double Pushpad Monitor Switch E Electric Unlocking and Locking Trim EL Electric Latch Retraction QEL Quiet Electric Latch Retraction SS Signal Switch CX Chexit Delayed Exit ALK Alarm Exit Kit WP-RX Waterproof Request to Exit
Mechanical Options	LBR Less Bottom Rod PN Pneumatic Latch Retraction GBK Glass Bead Kit SNB Sex Bolts SEC Security Screws SLM Special Laminate Material Blocking
Dogging Feature	No mechanical dogging. EL and QEL option available.
Dogging Options	
Strikes	Top - 338 – Unfinished, Bottom – 385A - Unfinished

QEL
Quiet Electric Latch Retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad Monitor Switch

- Signals use of an opening
- SPDT switch to monitor pushpad

CX
Chexit Delayed Exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK
Alarm Exit Kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric Latch Retraction

- Enables remote unlatching
- Alternative to manual dogging

SG
Safety Glow

- Shows exit door location in darkness or smoke
- Developed to meet MEA standards

PN
Pneumatic Latch Retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

LX
Latchbolt Monitor Switch

- Signals use of an opening
- SPDT switch to monitor latch bolt






E (E 996L)
Electrified Breakaway Lever





- Electrified remote locking/unlocking
- Standard in fail safe condition

SS
Signal Switch

- Signals unauthorized use of an opening
- Switch makes latch bolt tamper-resistant

Standard Trim

	EO Exit only	DT  Dummy Trim Pull When Dogged (Not recommended for fire device)	NL  Night Latch Key Retracts Latchbolt	NL-OP  Night Latch Key Retracts Latchbolt Optional Pull Required	TL  Thumbturn Key Locks & Unlocks (Use with DT Trim)	TL-BE  Thumbturn Blank Escutcheon Always Operable (No Cylinder) (Use with DT Trim)
Product Description	9847EO-F 9947EO-F	— —	9847NL-F 9947NL-F	9847NL-OP-F 9947NL-OP-F	9847TL-F 9947TL-F	9847TL-BE-F 9947TL-BE-F
Trim Description	—	990DT	990NL-R/V	110NL-MD	376T x 990DT	376T-BE x 990DT
Escutcheon Plate Size	—	3" x 14 ³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	3" x 14 ³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	—	(70x273x21mm)	(70x273x21mm)
Pull Center to Center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI Function	01	02	03	03	11 or 12	16
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise	—
Handing	—	—	—	—	—	—
Optional Trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	6	2	2

	L  Lever Key Locks & Unlocks	L-NL  Lever - Night Latch Key Retracts Latchbolt	L-BE  Lever - Blank Escutcheon Always operable (No Cylinder)	L-DT  Lever Dummy Trim Pull When Dogged (Not recommended for fire device)
Product Description	9847L 9947L	9847L-NL 9947L-NL	9847L-BE 9957L-BE	— —
Trim Description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon Plate Size	2 ³ / ₄ " X 10 ³ / ₄ " X ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " X 10 ³ / ₄ " X ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " X 10 ³ / ₄ " X ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " X 10 ³ / ₄ " X ²⁷ / ₃₂ " (70x273x21mm)
Pull Center to Center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI Function	08	03	14	02
Cylinder Type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2

* Electrified lever operation available

Notes