

# 9849-F/9949-F Concealed Vertical Cable Fire Exit Device **VON DUPRIN**



**9849-F/9949-F fire exit concealed vertical cable device** for use on pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for Fire Exit Hardware. See page 61 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 9849-F device has a smooth mechanism case and the 9949-F device has a grooved case. The concealed vertical cable 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, US15, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US32D available with 98 Series only.

Specifications	
<b>Device Functions</b>	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
<b>Device Lengths</b>	2' 2' (610mm) 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
<b>Device Centerline from Finished Floor</b>	39 5/8" (1006 mm) Standard Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
<b>Center Case Dimensions</b>	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)
<b>Mechanism Case Dimensions</b>	2 1/4" x 2 1/4" (57mm x 57mm)
<b>Projection</b>	Pushbar Neutral – 3 13/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm)
<b>Latch Bolt</b>	Deadlocking Anti-friction Top & Bottom Bolt, 1/2" (13mm) throw
<b>Door Undercut</b>	3/4" (19mm) maximum
<b>Top &amp; Bottom Latch Case</b>	5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm)
<b>Vertical Cable</b>	7/32" (6mm) Diameter Stainless Steel Cables
<b>Fasteners &amp; Sex Bolts (SNB)</b>	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal doors. Optional 425 SNB available.
<b>Electric Options</b>	<b>ALK</b> Alarm Exit Kit <b>CX</b> Chexit Delayed Exit <b>E</b> Electric Unlocking and Locking Trim <b>EL</b> Electric Latch Retraction <b>HD-EL</b> Electric Latch Retraction w/ Hex Dogging <b>LX</b> Latchbolt Monitor Switch <b>QEL</b> Quiet Electric Latch Retraction <b>RX2</b> Double Pushpad Monitor Switch <b>RX996L</b> Trim Monitor Switch <b>RX</b> Pushpad Monitor Switch <b>RXLC</b> Pushpad Monitor Switch - Low Current <b>SS</b> Signal Switch <b>WP-RX</b> Waterproof Request to Exit
<b>Mechanical Options</b>	<b>GBK</b> Glass Bead Kit <b>LBL</b> Less Bottom Latch <b>PN</b> Pneumatic Latch Retraction <b>SEC</b> Security Screws <b>SG</b> Safety Glow <b>SLM</b> SLM Blocking <b>SNB</b> Sex Bolts
<b>Dogging Feature</b>	No mechanical dogging. EL and QEL option available.
<b>Dogging Options</b>	
<b>Strikes</b>	Top - 249 - Unfinished, Bottom - 349 - Unfinished

**QEL**  
**Quiet Electric Latch Retraction**  
 • Bolt retraction via switch  
 • Converts exit door to push-pull operation

**CX**  
**Chexit Delayed Exit**  
 • Meets NFPA 101 requirements  
 • Self-contained controls, locking, alarm

**EL**  
**Electric Latch Retraction**  
 • Enables remote unlatching  
 • Alternative to manual dogging

**PN**  
**Pneumatic Latch Retraction**  
 • For areas where electrical devices banned  
 • Special linkage for mechanical or pneumatic dogging

**E (E 996L)**  
**Electrified Breakaway Lever**  
 • Electrified remote locking/unlocking  
 • Standard in fail safe condition




**RX**  
**Pushpad Monitor Switch**  
 • Signals use of an opening  
 • SPDT switch to monitor pushpad





**ALK**  
**Alarm Exit Kit**  
 • Unauthorized opening triggers 85-decibel horn  
 • Set in armed or disarmed mode by key




**SG**  
**Safety Glow**  
 • Shows exit door location in darkness or smoke  
 • Developed to meet MEA standards

**SS**  
**Signal Switch**  
 • Signals unauthorized use of an opening  
 • Switch makes latch bolt tamper-resistant

## Standard Trim

	EO	DT	NL	NL-OP
				
	<b>Exit only</b>	<b>Dummy Trim</b> Pull When Dogged (Not recommended for fire device)	<b>Night Latch</b> Key Retracts Latchbolt	<b>Night Latch</b> Key Retracts Latchbolt Optional Pull Required
Product Description	9849EO-F 9949EO-F	— —	9849NL-F 9949NL-F	9849NL-OP-F 9949NL-OP-F
Trim Description	—	990DT	990NL-R/V	110NL-MD
Escutcheon Plate Size	—	3" x 14 <sup>3</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> " (76x360x2mm)	3" x 14 <sup>3</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> " (76x360x2mm)	—
Pull Center to Center	—	5 <sup>1</sup> / <sub>2</sub> " (140mm)	5 <sup>1</sup> / <sub>2</sub> " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI Function	01	02	03	03
Cylinder Type	—	—	Rim	Rim
Handing	—	—	—	—
<b>Optional Trim</b> see pages 44-46	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Quantity needed Optional 425 SNB	6	2	2	6

	L	L-NL	L-BE	L-DT
				
	<b>Lever</b> Key Locks & Unlocks	<b>Lever - Night Latch</b> Key Retracts Latchbolt	<b>Lever - Blank Escutcheon</b> Always operable (No Cylinder)	<b>Lever Dummy Trim</b> Pull When Dogged (Not recommended for fire device)
Product Description	9849L-F 9949L-F	9849L-NL-F 9949L-NL-F	9849L-BE-F 9959L-BE-F	— —
Trim Description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon Plate Size	2 <sup>3</sup> / <sub>4</sub> " X 10 <sup>3</sup> / <sub>4</sub> " X <sup>27</sup> / <sub>32</sub> " (70x273x21mm)	2 <sup>3</sup> / <sub>4</sub> " X 10 <sup>3</sup> / <sub>4</sub> " X <sup>27</sup> / <sub>32</sub> " (70x273x21mm)	2 <sup>3</sup> / <sub>4</sub> " X 10 <sup>3</sup> / <sub>4</sub> " X <sup>27</sup> / <sub>32</sub> " (70x273x21mm)	2 <sup>3</sup> / <sub>4</sub> " X 10 <sup>3</sup> / <sub>4</sub> " X <sup>27</sup> / <sub>32</sub> " (70x273x21mm)
Pull Center to Center	—	—	—	—
Projection	2 <sup>7</sup> / <sub>8</sub> " (73mm)	2 <sup>7</sup> / <sub>8</sub> " (73mm)	2 <sup>7</sup> / <sub>8</sub> " (73mm)	2 <sup>7</sup> / <sub>8</sub> " (73mm)
ANSI Function	08	03	14	02
Cylinder Type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Quantity needed Optional 425 SNB	2	2	2	2

<b>Optional Trim</b>

<b>Knobs</b>

<b>Thumbpieces</b>

<b>Lever Designs</b>

\* Electrified lever operation available.

Standard Door Height	
Feet	Inches
6'8"	80"
7'	84"
8'	96"
9'	108"
10'	120"

### Note:

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