



**9848-F/9948-F 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 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: SS (Signal Switch). 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

<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 (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
<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 Top Bolt, 3/4" (19mm) throw Deadlocking Bottom Bolt, 1 1/2" (38mm) throw
<b>Door Undercut</b>	3/4" (19mm) maximum, more than 1/4" minimum
<b>Top &amp; Bottom Latch Case</b>	4 1/4" x 1 1/2" x 1 1/8" (107mm x 38mm x 28mm)
<b>Vertical Rods</b>	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).
<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>LX</b> Latchbolt Monitor Switch <b>RX</b> Pushpad Monitor Switch <b>RX2</b> Double Pushpad Monitor Switch <b>E</b> Electric Unlocking and Locking Trim <b>EL</b> Electric Latch Retraction <b>QEL</b> Quiet Electric Latch Retraction <b>SS</b> Signal Switch <b>CX</b> Chexit Delayed Exit <b>ALK</b> Alarm Exit Kit <b>WP-RX</b> Waterproof Request to Exit
<b>Mechanical Options</b>	<b>GBK</b> Glass Bead Kit <b>PN</b> Pneumatic Latch Retraction <b>SNB</b> Sex Bolts <b>SEC</b> Security Screws <b>SLM</b> Special Laminate Material Blocking
<b>Dogging Feature</b>	No mechanical dogging. EL and QEL option available
<b>Dogging Options</b>	
<b>Strikes</b>	Top - 338 – Unfinished, Bottom – 385A - Unfinished

**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

**RX**  
**Pushpad Monitor Switch**






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





**QEL**  
**Quiet Electric Latch Retraction**

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

9848-F/9948-F Concealed Vertical Rod Fire Exit Device

**Standard Trim**

	EO  <b>Exit only</b>	DT  <b>Dummy Trim</b> Pull When Dogged (Not recommended for fire device)	NL  <b>Night Latch</b> Key Retracts Latchbolt	NL-OP  <b>Night Latch</b> Key Retracts Latchbolt Optional Pull Required	TL  <b>Thumbturn</b> Key Locks & Unlocks (Use with DT Trim)	TL-BE  <b>Thumbturn</b> Blank Escutcheon Always Operable (No Cylinder) (Use with DT Trim)
Product Description	9848EO-F 9948EO-F	— —	9848NL-F 9948NL-F	9848NL-OP-F 9948NL-OP-F	9848TL-F 9948TL-F	9848TL-BE-F 9948TL-BE-F
Trim Description	—	990DT	990NL-R/V	110NL-MD	376T x 990DT	376T-BE x 990DT
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)	—	(70x273x21mm)	(70x273x21mm)
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)	—	3 <sup>1</sup> / <sub>4</sub> " (83mm)	3 <sup>1</sup> / <sub>4</sub> " (83mm)
ANSI Function	01	02	03	03	11	—
Cylinder Type	—	—	Rim	Rim	1 <sup>1</sup> / <sub>4</sub> " Mortise	—
Handing	—	—	—	—	—	—
<b>Optional Trim</b>	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  <b>Lever</b> Key Locks & Unlocks	L-NL  <b>Lever - Night Latch</b> Key Retracts Latchbolt	L-BE  <b>Lever - Blank Escutcheon</b> Always operable (No Cylinder)	L-DT  <b>Lever Dummy Trim</b> Pull When Dogged (Not recommended for fire device)
Product Description	9848L-F 9948L-F	9848L-NL-F 9948L-NL-F	9848L-BE-F 998L-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
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2

\* Electrified lever operation available

**Notes**