

# 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. Devices are ANSI A156.3 – 2008 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: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and device functions.

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



**Hex key dogging** comes standard on 9847/9947 Concealed vertical rod devices

## 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" (610 mm)	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 <sup>5</sup> / <sub>8</sub> " (1006 mm) Standard Adjustable from 35 <sup>5</sup> / <sub>8</sub> " (905mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260mm)	
<b>Center case dimensions</b>	8" x 2 <sup>3</sup> / <sub>4</sub> " x 2 <sup>3</sup> / <sub>8</sub> " (203mm x 70mm x 60mm)	
<b>Mechanism case dimensions</b>	2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)	
<b>Projection</b>	Pushbar neutral – 3 <sup>13</sup> / <sub>16</sub> " (97 mm) Pushbar depressed – 3 <sup>1</sup> / <sub>16</sub> " (78 mm)	
<b>Latch bolt</b>	Deadlocking top & bottom bolt, 5 <sup>5</sup> / <sub>8</sub> " (16mm) throw	
<b>Door undercut</b>	1 <sup>1</sup> / <sub>4</sub> " (7mm) recommended	
<b>Top &amp; bottom Latch case</b>	4 <sup>1</sup> / <sub>2</sub> " x 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>2</sub> " (114mm x 54mm x 38mm)	
<b>Vertical rods</b>	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 <sup>5</sup> / <sub>8</sub> " (905 mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).	
<b>Fasteners &amp; sex bolts (SNB)</b>	Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (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>CON</b>	Allegion Connect
<b>Mechanical options</b>	<b>GBK</b>	Glass bead kit
	<b>PN</b>	Pneumatic latch retraction
	<b>LBR</b>	Less bottom rod
	<b>PL</b>	Pullman latch
	<b>SNB</b>	Sex bolts
	<b>SEC</b>	Security screws
<b>Dogging feature</b>	Hex key dogging standard	
<b>Dogging option</b>	<b>CD</b>	Cylinder dogging
	<b>SD</b>	Special center case dogging
	<b>LD</b>	Less dogging
	<b>DI</b>	Dogging indicator
	<b>CI</b>	Cylinder dogging indicator
<b>Strikes</b>	Top – <b>338</b> - Unfinished, Bottom – <b>385A</b> - 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

**CON**  
**Allegion Connectors**

- Common connectors to connect various door hardware all the way to the power supply

**EL**  
**Electric latch retraction**

- Enables remote unlatching
- Alternative to manual dogging

**ALK**  
**Alarm exit kit**

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

**E (E996L)**  
**Electrified breakaway lever**

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

**LX**  
**Latchbolt monitor switch**

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






**PN**  
**Pneumatic latch retraction**





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

**DI**  
**Dogging indicator**

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

**Standard trim**

	EO	DT 	NL 	NL-OP 	TL 	TL-BE 
	No outside trim Exit only	<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	<b>Thumbturn</b> Key locks & unlocks (use with DT trim)	<b>Thumbturn</b> Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9847EO 9947EO	9847DT 9947DT	9847NL 9947NL	9847NL-OP 9947NL-OP	9847TL 9947TL	9847TL-BE 9947TL-BE
Trim description	—	990DT	990NL-R/V	110NL-MD	376T X 990DT	374T-BE X 990DT
Escutcheon plate size	—	3" x 14 <sup>13/16"</sup> x 3 <sup>3/32"</sup> (76x360x2mm)	3" x 14 <sup>13/16"</sup> x 3 <sup>3/32"</sup> (76x360x2mm)	—	2 <sup>3/4"</sup> x 10 <sup>3/4"</sup> x 27 <sup>3/32"</sup> (70x273x21mm)	2 <sup>3/4"</sup> x 10 <sup>3/4"</sup> x 27 <sup>3/32"</sup> (70x273x21mm)
Pull center to center	—	5 <sup>1/2"</sup> (140mm)	5 <sup>1/2"</sup> (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 <sup>1/4"</sup> Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	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
Product description	9847L 9947LF	9847L-NL 9947L-NL	9847L-BE 9947L-BE	9847L-DT 9947L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 <sup>3/4"</sup> x 10 <sup>3/4"</sup> x 27 <sup>3/32"</sup> (70x273x21mm)	2 <sup>3/4"</sup> x 10 <sup>3/4"</sup> x 27 <sup>3/32"</sup> (70x273x21mm)	2 <sup>3/4"</sup> x 10 <sup>3/4"</sup> x 27 <sup>3/32"</sup> (70x273x21mm)	2 <sup>3/4"</sup> x 10 <sup>3/4"</sup> x 27 <sup>3/32"</sup> (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 <sup>7/8"</sup> (73mm)	2 <sup>7/8"</sup> (73mm)	2 <sup>7/8"</sup> (73mm)	2 <sup>7/8"</sup> (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

\* Electrified lever operation available

**Notes**