

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 – 2014 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 and 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' (610 mm) 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
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	
Center case	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking top and bottom bolt, ⁵ / ₈ " (16mm) throw	
Door undercut	¹ / ₄ " (7mm) recommended	
Top and bottom Latch case	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm)	
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 and sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 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 unlatching 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 CON Allegion Connect	
Mechanical options	GBK Glass bead kit PN Pneumatic latch retraction LBR Less bottom rod PL Pullman latch SNB Sex bolts SEC Security screws	
Dogging feature Dogging option	Hex key dogging standard CD Cylinder dogging CDSI Cylinder dogging with security indicator HDSI Hex dogging with security indicator SD Special center case dogging LD Less dogging DI Dogging indicator CI Cylinder dogging indicator	
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	



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

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

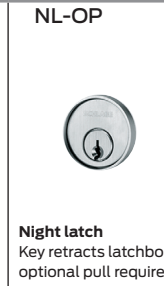
- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

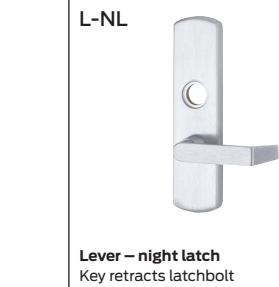
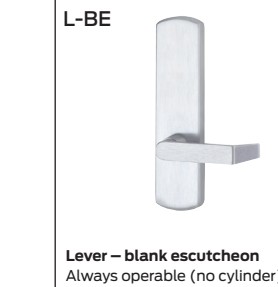
DI

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 
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	376T-BE X 990DT
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (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			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L 	L-NL 	L-BE 	L-DT 
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 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / 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
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

9847-F/9947-F Concealed vertical rod fire exit device



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 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2014 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 and 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' (610 mm) 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
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	
Center case	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking top and bottom bolt, ⁵ / ₈ " (16mm) throw	
Door undercut	¹ / ₄ " (7mm) recommended	
Top and 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 and sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 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 CON Allegion Connect	
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 option	No mechanical dogging. EL and QEL option available	
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	

PN
Pneumatic latch retraction

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

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

QEL
Quiet electric latch retraction

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

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

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

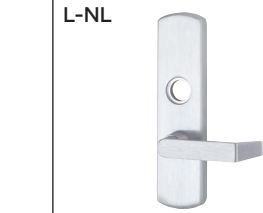
- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

CON
Allegion Connectors

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



Standard trim						
	EO  No outside trim 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 and 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 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (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 and 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
Product description	9847L-F 9947L-F	9847L-NL-F 9947L-NL-F	9847L-BE-F 9947L-BE-F	— —
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 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / 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