

9850WDC/9950WDC Wood door concealed vertical cable device



9850WDC/9950WDC Concealed vertical cable device for use on single or double wood doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2014 Grade 1. The 9850WDC device has a smooth mechanism case and the 9950WDC device has a grooved case. The concealed vertical cable 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 functions.

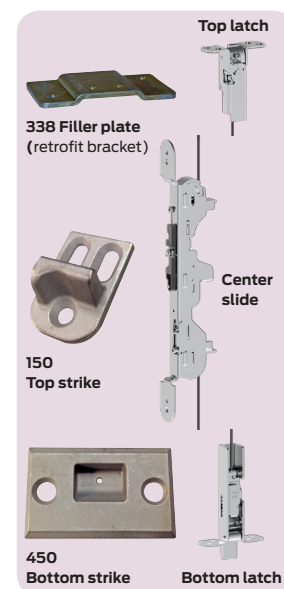
Scalp Plate – Device is furnished standard with an 15" (381 mm) long scalp plate for easy access to cables.

Note: Do not use on pair of doors with 9975 devices.

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	
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. 1 ¹ / ₂ " (38mm) throw	
Door undercut	3/4" (19mm) maximum	
Top and bottom Latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ¹ / ₁₆ " (147mm x 32mm x 37mm)	
Vertical cables	7/32" (6mm) Diameter stainless steel cables	
Fasteners and sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors.	
Electric options	ALK	Alarm exit kit
	CX	Chexit delayed exit
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	HD-EL	Electric latch retraction w/ hex dogging
	QEL	Quiet electric latch retraction
	*LX	Latchbolt monitor switch
	RX2	Double pushpad monitor switch
	RX996L	Trim monitor switch
	RX	Pushpad monitor switch
	RXLC	Pushpad monitor switch - low current
	SS	Signal switch
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	GBK	Glass bead kit
	LBL	Less bottom latch
	PN	Pneumatic latch retraction
	SEC	Security screws
	SG	Safety glow
	SNB	Sex bolts
	AX	Accessible device (LBL only)
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 - 150 – Unfinished, Bottom - 450 - Unfinished	



Hex key dogging comes standard on 9850/9950 Wood door concealed vertical cable devices

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

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

LX

Latchbolt monitor switch

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

E (E996L)

Electrified breakaway lever

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

CON

Allegion Connectors

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

PN

Pneumatic latch retraction

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

*For 98/9950WDC devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

9850WDC-F/9950WDC-F Wood door concealed vertical cable fire device

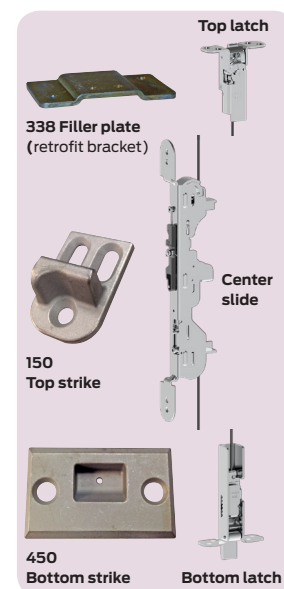


9850WDC-F/9950WDC-F Fire exit concealed vertical cable device for use on pairs of doors up to 8' x 8' (2438mm x 2438mm) double wood doors, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2014 Grade 1. The 9850WDC-F device has a smooth mechanism case and the 9950WDC-F device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SS (signal switch). See opposite page for available outside trim and functions.

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Note: Do not use on pair of doors with 9975 devices.

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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, 1 ¹ / ₂ " (38mm) throw	
Door undercut	3 ³ / ₄ " (19mm) maximum	
Top and bottom Latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ¹ / ₁₆ " (147mm x 32mm x 37mm)	
Vertical cables	7 ⁷ / ₃₂ " (6mm) Diameter stainless steel cables	
Fasteners and sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors.	
Electric options	ALK Alarm exit kit CX Chexit delayed exit E Electric unlocking and locking trim EL Electric latch retraction HD-EL Electric latch retraction w/ hex dogging QEL Quiet electric latch retraction *LX Latchbolt monitor switch RX2 Double pushpad monitor switch RX996L Trim monitor switch RX Pushpad monitor switch RXLC Pushpad monitor switch - low current SS Signal switch WP-RX Waterproof request to exit CON Allegion Connect	
Mechanical options	GBK Glass bead kit LBL Less bottom latch PN Pneumatic latch retraction SEC Security screws SG Safety glow SNB Sex bolts SLM Special laminate material blocking AX Accessible device (LBL only)	
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	Top – 150 - Unfinished, Bottom – 450 - Unfinished	

CX

Chexit delayed exit

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

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Alarm exit kit

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Electric latch retraction

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- SPDT switch to monitor pushpad

E (E996L)

Electrified breakaway lever

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Pneumatic latch retraction

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*For 98/9950 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

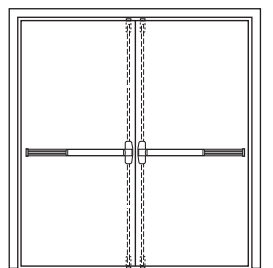
Standard trim

	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
Product description	9850WDC-EO-F 9950WDC-EO-F	— —	9850WDC-NL-F 9950WDC-NL-F	9850WDC-NL-OP-F 9950WDC-NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-WD
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x996L-NL x696NL x697NL	
Required #425 SNB quantity for device	6	2	2	6

	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 (not recommended for fire device)
Product description	9850WDC-L-F 9950WDC-L-F	9850WDC-L-NL-F 9950WDC-L-NL-F	9850WDC-L-BE-F 9950WDC-L-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 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 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
Required #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Standard door opening height	
Feet	Cable tolerance
6'8" - 7'	72" - 84"
7'1" - 8'	85" - 96"
8'1" - 9'	97" - 108"
9'1" - 10'	109" - 120"



Door opening height
is measured from finished floor
to frame rabbet on door side.

See table on left for standard offering.

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