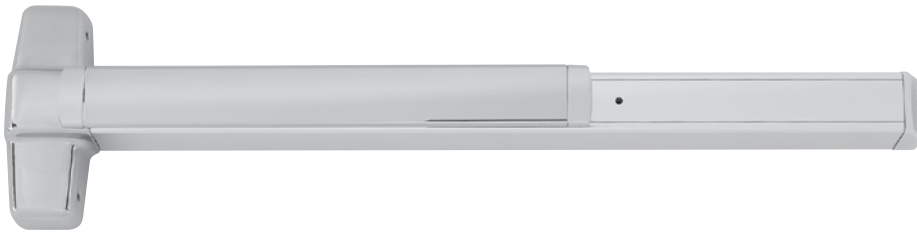


9849/9949 Concealed vertical cable device



9849/9949 Concealed vertical cable device for use on single or double metal doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 9849 device has a smooth mechanism case and the 9949 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 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 9849/9949 concealed vertical cable devices

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)
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	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 & bottom bolt, 1/2" (13mm) throw
Door undercut	3/4" (19mm) maximum (24231516 spacer block kit needed for 3/4" undercut)
Top & bottom latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)
Vertical cable	7/32" (6mm) Diameter stainless steel cables
Fasteners & 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	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 AX Accessible device (LBL only) PN Pneumatic latch retraction SEC Security screws SG Safety glow SNB Sex bolts
Dogging feature Dogging option	Hex key dogging standard CD Cylinder dogging SD Special center case dogging LD Less dogging DI Dogging indicator CI Cylinder dogging indicator
Strikes	Top - 249 – Unfinished, Bottom – 349 - Unfinished

CX
Chexit delayed exit
• Meets NFPA 101 requirements
• Self-contained controls, locking, alarm

RX
Pushpad monitor switch
• Signals use of an opening
• SPDT switch to monitor pushpad alarm

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

AX
Accessible device
• UL certified to meet new 5 lb. maximum operating force requirement
• Exceeds ANSI/BHMA requirements

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




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





CD
Cylinder dogging
• Replaces hex key dogging
• Requires standard 1 1/4" mortise cylinder

QEL
Quiet electric latch retraction
• Bolt retraction via switch
• Converts exit door to push-pull operation

*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

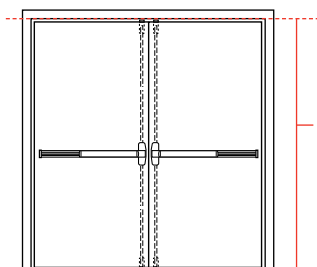
	EO No outside trim Exit only	DT  Dummy trim Pull when dogged	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required
Product description	9849EO 9949EO	9849DT 9949DT	9849NL 9949NL	9849NL-OP 9949NL-OP
Trim description	—	990DT	990NL-R/V	110NL-MD
Escutcheon 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 x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L  Lever Key locks & 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	9849L 9949L	9849L-NL 9949L-NL	9849L-BE 9949L-BE	9849L-DT 9949L-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 ^{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
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Nominal door opening height		Top cable part number	Bottom cable part number
*82" - 96"	*6'10" - 8'	47250175	47250178
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'10" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.

🔥 9849-F/9949-F Concealed vertical cable fire exit device



9849/9949 Concealed vertical cable device for use on single or double metal doors, UL listed for panic 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 – 2008 Grade 1. The 9849 device has a smooth mechanism case and the 9949 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 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.



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 dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₈ " (78 mm)	
Latch bolt	Deadlocking anti-friction top & bottom bolt, ⁵ / ₈ " (16mm) throw	
Door undercut	³ / ₄ " (19mm) maximum (24231516 spacer block kit needed for ³ / ₄ " undercut)	
Top & bottom Latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)	
Vertical cable	7 ⁷ / ₃₂ " (6mm) Diameter stainless steel cables	
Fasteners & 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	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
	AX	Accessible device (LBL only)
	PN	Pneumatic latch retraction
	SEC	Security screws
	SG	Safety glow
	SNB	Sex bolts
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	Top – 249 - Unfinished, Bottom – 349 - Unfinished	

CX
Chexit delayed exit

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

SS
Signal switch

- Signals unauthorized use of an opening
- Switch makes latch bolt tamper-resistant

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

E (E996L)
Electrified breakaway lever

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

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

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 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

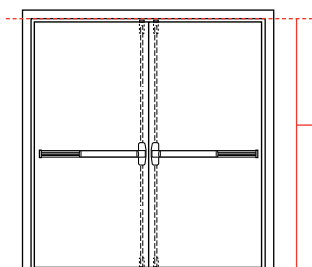
	EO No outside trim Exit only	DT  Dummy trim Pull when dogged (not recommended for fire device)	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required
Product description	9849EO-F 9949EO-F	— —	9849NL-F 9949NL-F	9849NL-OP-F 9949NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-MD
Escutcheon plate size	—	3" x 14 ^{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 x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L  Lever Key locks & 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	9849L-F 9949L-F	9849L-NL-F 9949L-NL-F	9849L-BE-F 9949L-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
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Nominal door opening height		Top cable part number	Bottom cable part number
*82" - 96"	*6'10" - 8'	47250175	47250178
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'10" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.