

2227 Surface mounted vertical rod device



2227 Surface mounted vertical rod exit device for all types of single and double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. Fits door stiles as narrow as 3⁵/₈" (92 mm). The device is non-handed.

Finishes – SP28 & SP313.



Hex key dogging comes standard on 2227 Surface mounted vertical rod device



Specifications

Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Door height	7' (2134 mm) standard door height extension rods available for door heights up to 10' (3048mm) 12" (205 mm), door height 36" (914 mm), door height
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm)
Center case dimensions	4 ¹ / ₄ " (108 mm) x 1 ³ / ₈ " (41 mm) x 2 ³ / ₈ " (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 ³ / ₄ " (95 mm)
Projection push bar	Push bar neutral - 3 ³ / ₄ " (95 mm) Push bar depressed - 3" (76 mm)
Door undercut	1 ¹ / ₄ " (7 mm) from finished floor recommended, 3 ³ / ₄ " (19mm) maximum or 1 ¹ / ₈ " (3mm) from threshold
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5 ⁵ / ₈ " (16 mm) throw
Fasteners & sex bolts (SNB)	Includes 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) wood & metal doors. Optional SNB available for device.
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	PL pullman latch GBK glass bead kit RG rod guards LG latch guards
Dogging feature	Hex key dogging standard
Dogging options	LD less dogging
Strikes	299 – Dull black Bottom 248L-4 and 304L – unfinished

LX
Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

RX
Pushpad monitor switch

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

RX2
Double pushpad monitor switch

- Uses two RX switches

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

Minimum door opening chart

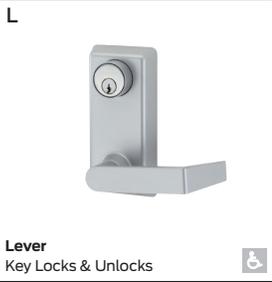
Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	N/A	Yes	Vert. x Vert.	25.875" (657 mm)	32.625" (829 mm)
5/8"	N/A	Yes	Vert. x Vert.	26.000" (664 mm)	32.750" (832 mm)

*For 4' device, add 6" (152 mm)

Standard trim

	EO	DT	NL	NL-OP
				
Product description	2227EO	2227DT	2227NL	2227NL-OP
Trim description	—	210DT*	210NL*	110NL-MD* 110NL-WD*
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	230EO	230DT	230NL	—
Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	2	6

*ANSI/BHMA A156.3 (2008) Grade 1 trim

	TP	K	L
			
Product description	2227TP	2227K	2227L
Trim description	230TP*	210K	230L*
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
Optional #425 sex bolt quantity for device	2	2	2

*ANSI/BHMA A156.3 (2008) Grade 1 trim

2227-F Surface mounted vertical rod fire exit device



2227-F Surface mounted vertical rod fire exit device for pairs of doors up to 8' x 10' (2438 mm x 3048 mm), UL listed for Fire Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as 3 5/8" (92 mm). See opposite page for available outside trim and device functions. The device is non-handed.

Finishes – SP28 & SP313.



Specifications	
Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Door height	7' (2134 mm) standard door height extension rods available for door heights up to 10' (3048mm) 12" (205 mm), door height 36" (914 mm), door height
Device centerline from finished floor	39 13/16" (1011 mm)
Center case dimensions	4 1/4" (108 mm) x 1 3/8" (41 mm) x 2 3/8" (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 3/4" (95 mm)
Projection push bar	Push bar neutral - 3 3/4" (95 mm) Push bar depressed - 3" (76 mm)
Door undercut	1/4" (7 mm) from finished floor recommended
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16 mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44 mm) and 2 1/4" (57 mm) wood & metal doors. Optional SNB available for device.
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	PL pullman latch GBK glass bead kit RG rod guards LG latch guards
Dogging feature	No mechanical dogging
Strikes	Top 299F – (499F LBR) – Dull black Bottom 304L – Unfinished

Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	N/A	Yes	Vert. x Vert.	25.875" (657 mm)	32.625" (829 mm)
5/8"	N/A	Yes	Vert. x Vert.	26.000" (664 mm)	32.750" (832 mm)

*For 4' device, add 6" (152 mm)

RX
Pushpad monitor switch

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

RX2
Double pushpad monitor switch

- Uses two RX switches

ALK
Alarm exit kit

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

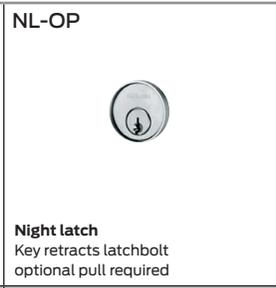
CON
Allegion Connectors

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

LX
Latchbolt monitor switch

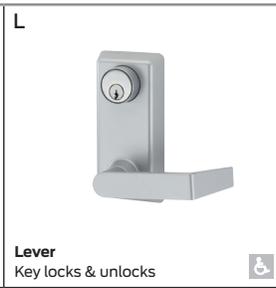
- Signals use of opening
- SPDT Switch to monitor latchbolt

Standard trim

	EO	NL	NL-OP
			
Product description	2227EO-F	2227NL-F	2227NL-OP-F
Trim description	—	210NL**	110NL-MD** 110NL-WD**
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	03	03
Cylinder type	—	Rim	Rim
Handing	—	—	—
Optional trim	230EO	230NL	—
*Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	6
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 trim

	TP	K	L
			
Product description	2227TP-F	2227K-F	2227L-F
Trim description	230TP**	210K	230L**
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
*Optional #425 sex bolt quantity for device	2	2	2
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 trim

22 Optional trim

210 Series trim

The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

110NL Cylinder kit

Cylinder kit is available MD for metal doors or WD for wood doors. Metal door application supplied standard if door material is not specified. When ordering with device, specify function NL-OP. Rim Cylinder must be ordered separately.

230 Series trim

The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2.4mm) steel escutcheon. The 230L has a cast zinc $\frac{3}{4}$ " (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.

	EO	DT	NL	TP-BE	L-BE	K-BE
						
	Exit only plate	Dummy trim pull when dogged	Night latch key retracts latch bolt	Thumbpiece blank escutcheon always operable, no cylinder	Lever blank escutcheon always operable, no cylinder	Knob blank escutcheon always operable, no cylinder
Trim description	230EO	230DT**	230NL**	230TP-BE**	230L-BE**	210K-BE
Escutcheon plate size	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 6 $\frac{3}{8}$ " x $\frac{15}{16}$ " (76 x 162 x 24 mm)	3" x 4 $\frac{25}{32}$ " x $\frac{3}{32}$ " (76 x 121 x 2 mm)
Pull center to center	—	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	—	—
Projection	—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 $\frac{3}{8}$ " (67 mm)	2 $\frac{15}{16}$ " (75 mm)
ANSI function	01	02	03	—	—	—
Cylinder type	—	—	Rim	—	—	—
*Optional #425 sex bolt quantity for device	2	2	6	—	2	2
*Additional 425 SNB for 499F strike	2	2	2	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 Trim

22 Strike/Stile information

Strikes for rim devices

<p>264</p> <p>Projection $\frac{9}{16}$" (14 mm)</p>	<p>299</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>299F</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>499F</p> <p>Projection $\frac{15}{16}$" (24 mm)</p>
<p>1408</p> <p>Used with 5754 Mullion One per pair of doors</p>	<p>1410—Integral Stop</p> <p>Projection $\frac{1}{2}$" (13 mm)</p>	<p>1439—Blade Stop***</p> <p>Projection $\frac{1}{2}$" (13 mm)</p>	<p>1606</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>
<p>1609**</p> <p>(Not fire rated; requires coordinates)</p>			

Strikes for vertical rod devices

<p>248L-4</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>260U—Flush transom only</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>304L</p> <p>Mortise $\frac{13}{16}$" (21 mm)</p>	<p>385A</p> <p>Mortise $2 \frac{1}{12}$" (64 mm)</p>
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Strikes 264, 299, 299F and 499F also available for vertical rod devices.

Device type	Standard single door		Standard double door		OPTIONAL single door		OPTIONAL double door	
	Strike	Stile	Application*	Stile	Strike	Stile	Application*	Stile
22	299	4 $\frac{3}{4}$ " (121 mm)	299 x 4954	4 $\frac{3}{4}$ " (121 mm)	1439	3 $\frac{7}{16}$ " (97 mm)	299 w/5654	4 $\frac{1}{4}$ " (108 mm)
					1410	3 $\frac{7}{16}$ " (97 mm)	1408 w/5754	3 $\frac{7}{16}$ " (97 mm)
					1606	3 $\frac{15}{16}$ " (100 mm)	1606 w/1654	4 $\frac{1}{4}$ " (108 mm)
					—	—	1609 w/vertical rod**	43 $\frac{3}{8}$ " (111 mm)
22-F	299F	4 $\frac{3}{8}$ " (111 mm)	499F x 9954	4 $\frac{7}{8}$ " (124 mm)	—	—	—	
2227 Latch Retraction	299 (Top) 299 (Middle) 304L/284-L (Bottom)	3 $\frac{5}{8}$ " (92 mm)	Two Vertical Rods	3 $\frac{5}{8}$ " (92 mm)	260U Top 385A Bottom	3 $\frac{5}{8}$ " (92 mm)	Two Vertical Rods	3 $\frac{5}{8}$ " (92 mm)
2227 Pullman Latch	299 (Top) 284-L (Bottom)	3 $\frac{5}{8}$ " (92 mm)	Two Vertical Rods	3 $\frac{5}{8}$ " (92 mm)	260U Top	3 $\frac{5}{8}$ " (92 mm)	Two Vertical Rods	3 $\frac{5}{8}$ " (92 mm)
2227-F	299 (Top) 304L (Bottom)	3 $\frac{5}{8}$ " (92 mm)	Two Vertical Rods	3 $\frac{5}{8}$ " (92 mm)	260U-SS	4"	4"	4"

*Mullion information, refer to General and Auxiliary Catalog.

**Not for UL Fire exit hardware. Must be used with a coordinator.

***Replaces 1409 Strike

Note: On a Rim/Vertical rod application for a pair of doors, the 1609 strike extends off the edge of the door into the opening.