

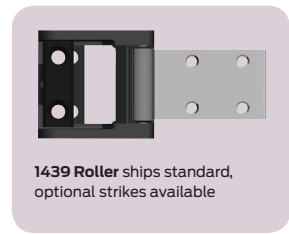
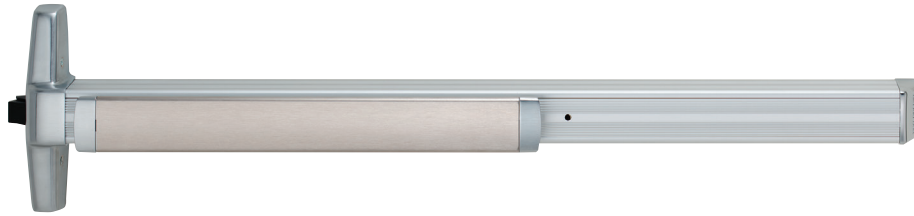
**VON DUPRIN®**

33A/35A™  
Series

Exit devices



# 33A/35A Rim device



1439 Roller ships standard, optional strikes available



299 Strike needs to be specified for Hollow Metal Frames

**33A and 35A** for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2014 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

33A/35A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover.

**Finishes** – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

## Specifications

Device lengths	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 13/16" (1011 mm) 39 11/16" (1008 mm) with Mullion
Center case dimensions	8 3/16" x 1 9/16" x 2 13/32" (208mm x 40mm x 62mm)
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, 3/4" (19mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	<b>ALK</b> Alarm kit <b>CX</b> Chexit delayed exit <b>EL</b> Electric latch retraction <b>HD-EL</b> Electric latch retraction with hex dogging <b>QEL</b> Quiet electric latch retraction <b>RX</b> Request to exit, WP-RX waterproof option <b>LX</b> Latchbolt monitoring <b>LX-RX</b> Request to exit / latchbolt monitoring <b>RX-LC, LX-LC, LX-RX-LC</b> Low current option for RX, LX, LX-RX <b>SS</b> Signal switch <b>CON</b> Allegion Connect
Mechanical options	<b>AX</b> Accessible device
Miscellaneous options	<b>GBK</b> Glass bead kit <b>PN</b> Pneumatic <b>SG</b> Safety glow <b>SEC</b> Security screws <b>SNB</b> Sex bolts
Dogging feature	<b>Hex Dogging standard</b> <b>CD</b> Cylinder dogging <b>LD</b> Less dogging
Strikes	<b>1439</b> – Dull black <b>Optional strikes</b>

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

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

**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





**E (E360L)**  
**Electric lever trim**  
 • Electrified remote locking/unlocking  
 • Fail safe & fail secure options available  
 • No key override





**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

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

Standard trim

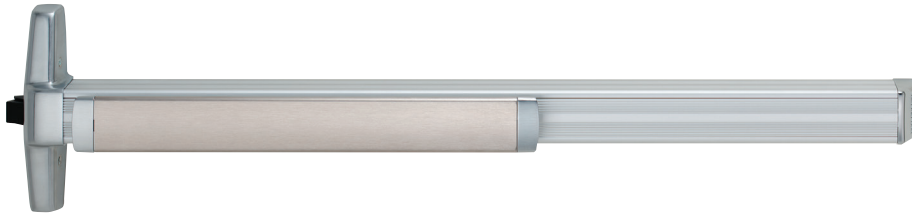
	EO	DT	NL	NL-OP
				
<b>Product description</b>	33A-EO 35A-EO	33A-DT 35A-DT	33A-NL 35A-NL	33A-NL-OP 35A-NL-OP
<b>Trim description</b>	—	386DT	386NL	388
<b>Base size</b>	—	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " (190x43mm)
<b>Grip size</b>	—	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	—
<b>Projection</b>	—	2 <sup>7</sup> / <sub>16</sub> " (62mm)	2 <sup>7</sup> / <sub>16</sub> " (62mm)	1" (25mm)
<b>ANSI function</b>	01	02	03	03
<b>Cylinder type</b>	—	—	Rim	Rim
<b>Handing</b>	—	—	Handed	—
<b>Optional trim</b>	—	x360L-DT x550DT x IVES 8190	—	x550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
<b>Product description</b>	33A-L 35A-L	33A-L-BE 35A-L-BE	33A-T 35A-T	33A-T-BE 35A-T-BE
<b>Trim description</b>	360L	360L-BE	360T	360T-BE
<b>Base size</b>	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)
<b>Grip size</b>	—	—	—	—
<b>Projection</b>	3" (76mm)	3" (76mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)
<b>ANSI function</b>	08 or 09 field selectable	—	11 or 12 field selectable	—
<b>Cylinder type</b>	1 <sup>1</sup> / <sub>4</sub> " Mortise	—	1 <sup>1</sup> / <sub>4</sub> " Mortise	—
<b>Handing</b>	Handed/Reversible	Handed/Reversible	—	—
<b>Optional trim</b>	—	E360L-BE	—	E360T-BE

**Note:** 360L & 360T used on wood door require the 33A-WDA cover plate

Notes

# 33A-F/35A-F Rim fire exit device



**33A-F and 35A-F** for all types of single and double fire rated doors with mullion, UL listed for Fire Exit Hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2014 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

33A/35A fits door stiles as narrow as 1 3/4" (44mm).

**Finishes** – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.



## Specifications

Device lengths	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 13/16" (1011 mm) 39 11/16" (1008 mm) with Mullion
Center case dimensions	8 3/16" x 1 9/16" x 2 13/32" (208mm x 40mm x 62mm)
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, 3/4" (19mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	<b>ALK</b> Alarm kit <b>CX</b> Chexit delayed exit <b>EL</b> Electric latch retraction <b>QEL</b> Quiet electric latch retraction <b>RX</b> Request to exit, WP-RX waterproof option <b>LX</b> Latchbolt monitoring <b>LX-RX</b> Request to exit / latchbolt monitoring <b>RX-LC, LX-LC, LX-RX-LC</b> Low current option for RX, LX, LX-RX <b>SS</b> Signal switch <b>CON</b> Allegion Connect
Mechanical options	<b>AX</b> Accessible device
Miscellaneous options	<b>GBK</b> Glass bead kit <b>PN</b> Pneumatic <b>SG</b> Safety glow <b>SEC</b> Security screws <b>SNB</b> Sex bolts
Strikes	<b>299F</b> – Dull black, <b>499F</b> with mullions

**QEL**  
**Quiet electric latch retraction**

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

**AX**  
**Accessible device**

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

**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




**E (E360L)**  
**Electric lever trim**





- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

**CON**  
**Allegion Connectors**

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

Standard trim

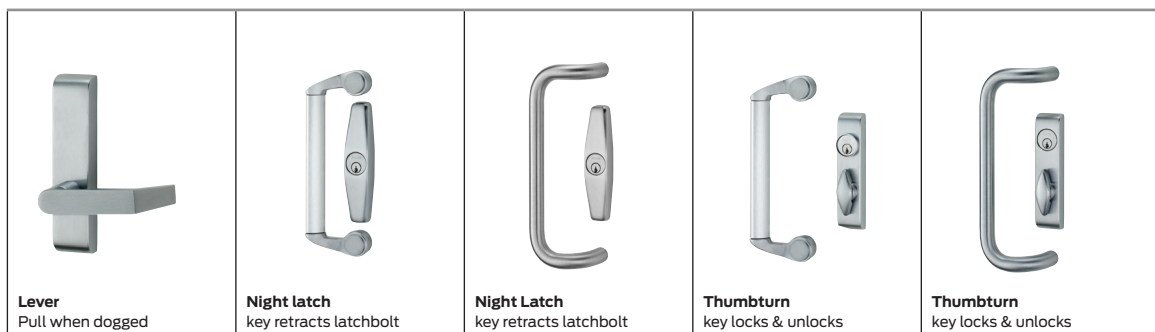
	EO	NL	NL-OP
			
<b>Product description</b>	33A-EO-F 35A-EO-F	33A-NL-F 35A-NL-F	33A-NL-OP-F 35A-NL-OP-F
<b>Trim description</b>	—	386NL	388
<b>Base size</b>	—	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " (190x43mm)
<b>Grip size</b>	—	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	—
<b>Projection</b>	—	2 <sup>7</sup> / <sub>16</sub> " (62mm)	1" (25mm)
<b>ANSI function</b>	01	03	03
<b>Cylinder type</b>	—	Rim	Rim
<b>Handing</b>	—	Handed	—
<b>Optional trim</b>	—	—	x550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
<b>Product description</b>	33A-L-F 35A-L-F	33A-L-BE-F 35A-L-BE-F	33A-T-F 35A-T-F	33A-T-BE-F 35A-T-BE-F
<b>Trim description</b>	360L	360L-BE	360T	360T-BE
<b>Base size</b>	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)
<b>Grip size</b>	—	—	—	—
<b>Projection</b>	3" (76mm)	3" (76mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)
<b>ANSI function</b>	08 or 09 field selectable	—	11 or 12 field selectable	—
<b>Cylinder type</b>	1 <sup>1</sup> / <sub>4</sub> " Mortise	—	1 <sup>1</sup> / <sub>4</sub> " Mortise	—
<b>Handing</b>	Handed/Reversible	Handed/Reversible	—	—
<b>Optional trim</b>	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate






Notes

## 33A/35A Optional trim



	<b>Lever</b> Pull when dogged	<b>Night latch</b> key retracts latchbolt	<b>Night Latch</b> key retracts latchbolt	<b>Thumbturn</b> key locks & unlocks	<b>Thumbturn</b> key locks & unlocks
<b>Trim description</b>	360L-DT	388 x 550DT	388 x IVES 8190 10"	360T x 550DT	360T x IVES 8190 10"
<b>Base size</b>	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7½ x 1⅞" (190x43mm)	7½ x 1⅞" (190x43mm)	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)
<b>Grip size</b>	—	10" center to center	10" center to center	10" center to center	10" center to center
<b>Projection</b>	3" (76mm)	1" (25mm)	1" (25mm)	1⅜" (46mm)	1⅜" (46mm)
<b>ANSI function</b>	02	03	03	11/12 Field selectable	11/12 Field selectable
<b>Cylinder type</b>	—	Rim	Rim	1¼" Mortise	1¼" Mortise
<b>Handing</b>	Handed / Reversible	—	—	—	—

## 33A/35A Optional trim

					
	<b>Thumbturn-blank escutcheon</b> always operable (no cylinder)	<b>Thumbturn-blank escutcheon</b> always operable (no cylinder)	<b>Thumbturn</b> key locks & unlocks	<b>Thumbturn-blank escutcheon</b> always operable (no cylinder)	<b>Offset pull</b>
<b>Trim description</b>	360T-BE x 550 DT	360T-BE x 8190 10"	374T/376T x 8190 10"	374T-BE/376T-BE x 8190 10"	392-6
<b>Base size</b>	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7 x 3½" x ¾" (178x89mmx19mm)
<b>Grip size</b>	11⁹⁄₁₆" center to center	1" center to center	8½" x 4⁵⁄₁₆" (216x110mm)	8½" x 4⁵⁄₁₆" (216x110mm)	6¼" center to center
<b>Projection</b>	1⅓⁄₁₆" (46mm)	1⅓⁄₁₆" (46mm)	1⅓⁄₁₆" (46mm)	1⅓⁄₁₆" (46mm)	2¼"
<b>ANSI function</b>	—	—	11-12 Field selectable	—	—
<b>Cylinder type</b>	—	—	1¼" Mortise	—	—
<b>Handing</b>	—	—	—	—	—

**Note:** 360L & 360T used on Wood Door require the 33A-WDA cover plate  
376T used on Wood Door require #10-WDA cover plate

## 33A/35A Strike/Stile information

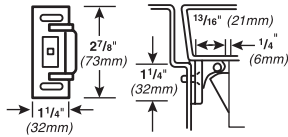
Device type	Standard single door		Standard double door		Optional single door		Optional double door	
	Strike	Stile	Strike w/mullion	Stile	Strike	Stile	Strike w/mullion	Stile
33A 35A	1439	2" (51mm)	1408 x 5754	2" (51mm)	299 1410 1606	2 <sup>3</sup> / <sub>4</sub> " (70mm) 1 <sup>3</sup> / <sub>4</sub> " (44mm) 2 <sup>1</sup> / <sub>2</sub> " (64mm)	299 x 5654 299 x 4954 1606 x 1654	2 <sup>5</sup> / <sub>8</sub> " (67mm) 3 <sup>5</sup> / <sub>16</sub> " (84mm) 2 <sup>3</sup> / <sub>4</sub> " (70mm)
3327A 3527A	266 (Top) 304L (Bottom) 248-L (Bottom)	2" (51mm)	266 (Top) 304L (Bottom) 248-L (Bottom)	2" (51mm)	299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom)	3 <sup>1</sup> / <sub>8</sub> " (79mm) 2 <sup>1</sup> / <sub>8</sub> " (54mm)	299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom)	3 <sup>1</sup> / <sub>8</sub> " (79mm) 2 <sup>1</sup> / <sub>8</sub> " (54mm)
3327A-F 3527A-F	—	—	299F (Top) 304L (Bottom)	3 <sup>1</sup> / <sub>8</sub> " (79mm)	—	—	—	—
3327A-LBR-F	—	—	499F (Top) (Req. auxiliary fire latch)	3 <sup>5</sup> / <sub>8</sub> " (92mm)	—	—	—	—
3347A 3547A 3348A 3548A	338 (Top) 385A (Bottom)	2 <sup>1</sup> / <sub>8</sub> " (54mm)	338 (Top) 385A (Bottom)	2 <sup>1</sup> / <sub>8</sub> " (54mm)	304L (Bottom)	2 <sup>1</sup> / <sub>2</sub> " (64mm)	304L (Bottom)	2 <sup>1</sup> / <sub>2</sub> " (64mm)
3347A-F 3547A-F 3348A-F 3548A-F	—	—	338 (Top) 385A (Bottom)	3 <sup>5</sup> / <sub>8</sub> " (92mm)	—	—	304L (Bottom)	3 <sup>1</sup> / <sub>2</sub> " (89mm)
3347A-LBR 3547A-LBR	338 (Top)	2 <sup>1</sup> / <sub>2</sub> " (64mm)	338 (Top)	2 <sup>1</sup> / <sub>2</sub> " (64mm)	—	—	—	—
3347A-LBR-F 3547A-LBR-F	—	—	338 (Top)	3 <sup>5</sup> / <sub>8</sub> " (92mm)	—	—	—	—
3349A 3549A	249 (Top) 349 (Bottom)	2 <sup>1</sup> / <sub>2</sub> " (64mm)	249 (Top) 349 (Bottom)	2 <sup>1</sup> / <sub>8</sub> " (54mm)	—	—	—	—
3349A-F 3549A-F	—	—	249 (Top) 349 (Bottom)	3 <sup>1</sup> / <sub>2</sub> " (89mm)	—	—	—	—
3349A-LBL 3549A-LBL	249 (Top)	2 <sup>1</sup> / <sub>2</sub> " (64mm)	249 (Top)	2 <sup>1</sup> / <sub>8</sub> " (54mm)	—	—	—	—
3349A-LBL-F 3549A-LBL-F	—	—	249 (Top)	3 <sup>5</sup> / <sub>8</sub> " (92mm)	—	—	—	—



# 33A/35A Strike/Stile information

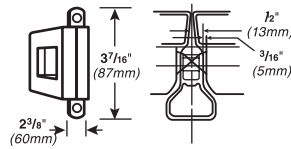
## Strikes for rim devices

299



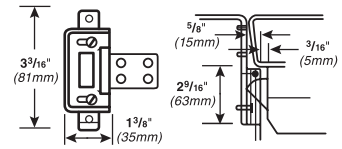
Projection 13/16" (21mm)

1408



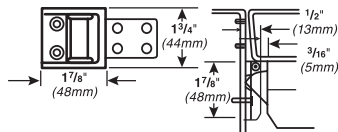
One per pair of doors - use with 5754 Mullion only

1410 - Integral stop



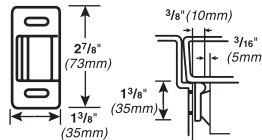
Projection 1/2" (13mm)

1439



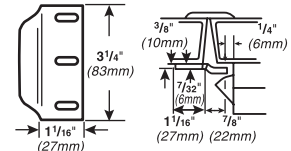
Projection 1/2" (13mm)

1606



Projection 3/8" (10mm)

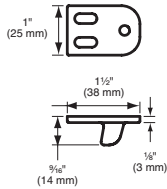
1609



For rim/vertical rod combination -not fire rated

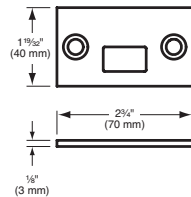
## Strikes for vertical cable devices

249 - Top strike



Projection 9/16" (14mm)

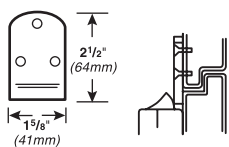
349 - Bottom strike



Projection 1/8" (3mm)

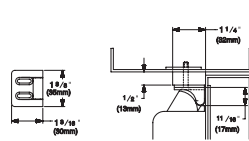
## Strikes for vertical rod devices

260U-Flush transom only



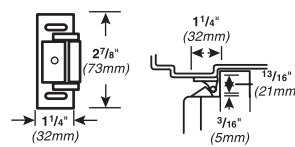
Projection 3/8" (10mm)

266



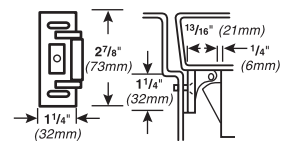
Projection 1 1/4" (32mm)

299



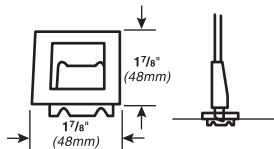
Projection 13/16" (21mm)

299F



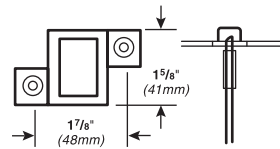
Projection 13/16" (21mm)

304L



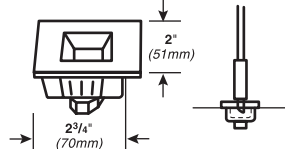
Mortise 13/16" (21mm)

338



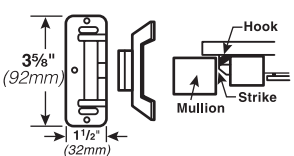
Mortise 5/8" (16mm)

385A



Mortise 2 1/2" (64mm)

499F



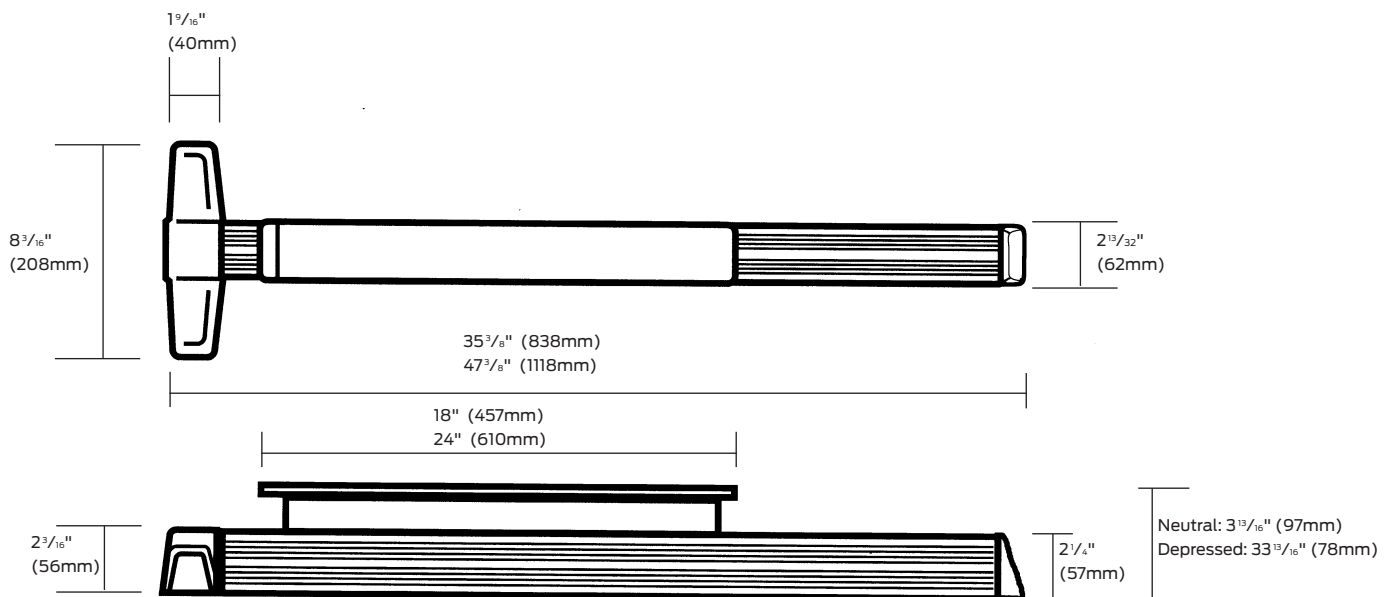
Projection 13/16" (21mm)

# Grade, type and function options

## ANSI function, grade & type

Function	Grade 1, type 4	Grade 1, type 5	Grade 1, type 6, 7 & 8	
01	33AEO 35AEO	3327A-EO 3327A-EO-F 3527A-EO 3527A-EO-F	3347A-EO 3347A-EO-F 3348A-EO 3348A-EO-F 3349A-EO 3349A-EO-F	3547A-EO 3547A-EO-F 3548A-EO 3548A-EO-F 3549A-EO 3549A-EO-F
02	33A-DT 35A-DT	3327A-DT 3527A-DT	3347A-DT 3348A-DT 3349A-DT	3547A-DT 3548A-DT 3549A-DT
03	33A-NL 33A-NL-OP 35A-NL 35A-NL-OP	3327A-NL-OP 3527A-NL-OP 3327A-NL-OP-F 3527A-NL-OP-F 3527A-NL 3327A-NL-F 3527A-NL 3527A-NL-F	3347A-NL-OP 3347A-NL-OP-F 3348A-NL-OP 3348A-NL-OP-F 3347A-NL 3347-NL-F 3348-NL 3348-NL-F 3349A-NL-OP 3349A-NL-OP-F 3349A-NL 3349A-NL-F	3547A-NL-OP 3547A-NL-OP-F 3548A-NL-OP 3548A-NL-OP-F 3547A-NL 3547-NL-F 3548-NL 3548-NL-F 3549A-NL-OP 3549A-NL-OP-F 3549A-NL 3549A-NL-F
08-09	33A-L 35A-L	3327A-L 3327A-L-F 3527A-L 3527A-L-F	3347A-L 3347A-L-F 3348A-L 3348A-L-F 3349A-L 3349A-L-F	3547A-L 3547A-L-F 3548A-L 3548A-L-F 3549A-L 3549A-L-F
11-12	33A-TL 35A-TL	3327A-TL 3327A-TL-F 3527A-TL 3527A-TL-F	3347A-TL 3347A-TL-F 3348A-TL 3348A-TL-F	3547A-TL 3547A-TL-F 3548A-TL 3548A-TL-F

## Dimensions



# 33A/35A Electrical options

## ALK Alarm kit



ALK Alarm Kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

### For Hardware Applications

The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and disarming.

The key switch uses a standard 1 1/4" (32mm) mortise cylinder with a straight cam (Schlage 20-001, L583-477 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Auto reset (AR) option is available with this kit. This kit allows the device to resume the alarm option after a preset time. Preset times can be field selected at 1.5, 3, or 4.5 minutes. Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

The ALK is available in two styles, 33ALK, grooved cover and 35ALK, smooth cover.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." RSS push bar trim can be used instead of the door decal, specify RSS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required for 3' or 4' doors, the ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

### To order, specify:

1. Standard, 33A ALK
2. Cylinder Dogging, CD33A ALK

### Minimum door sizes

Device	3' (914mm) Length	4' (1219mm) Length
33A/35A	2'9" (838mm)	3'3" (991mm)
3327A/3527A	2'8" (813mm)	3'2" (966mm)
3347A/3347A-F 3547A/3547A-F	2'8" (813mm)	3'2" (966mm)
3348A/3348A-F 3548A/3548A-F	2'8" (813mm)	3'2" (966mm)

## RX Request to exit



The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum). The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

### To order, specify:

1. Standard – Use prefix RX, example RX33AEO
2. Low Current – Use prefix RX-LC, example RX-LC35AEO

## RX2 Double request to exit

The RX2 feature uses 2 RX switches.

### To order, specify:

1. Standard – Use prefix RX2, example RX233AEO

## LX Latch Bolt monitoring



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

### To order, specify:

1. Standard – Use prefix LX, example LX33AEO
2. Low Current – Use prefix LX-LC, example LX-LC35AEO

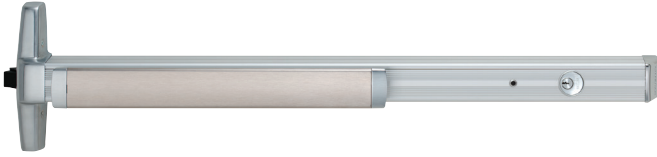
### Electrical rating for all switches:

- Standard – 2 Amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

**Note:** All switches can be either factory or field installed

# 33A/35A Chexit device

## CX The Chexit® (with motor driven blocking actuator)\*



The Von Duprin Chexit device is designed for controlled egress applications. It meets both life safety and security needs, as well as the requirements of NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.

The Chexit device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.  
DOOR CAN BE OPENED IN 15 SECONDS"

### Chexit typical applications

Chexit single door with options – The Chexit is used as an access control device. The card reader allows access. Also shown in this application is an external horn and door position switch. The auxiliary horn is used for increased volume in remote locations. Using a door position switch gives added security to the opening in case the door is not reclosed.

With the Chexit disarmed, the opening functions as a normal exit device. If card readers are required on both sides of the door, the normally closed contacts of the readers should be wired in series.

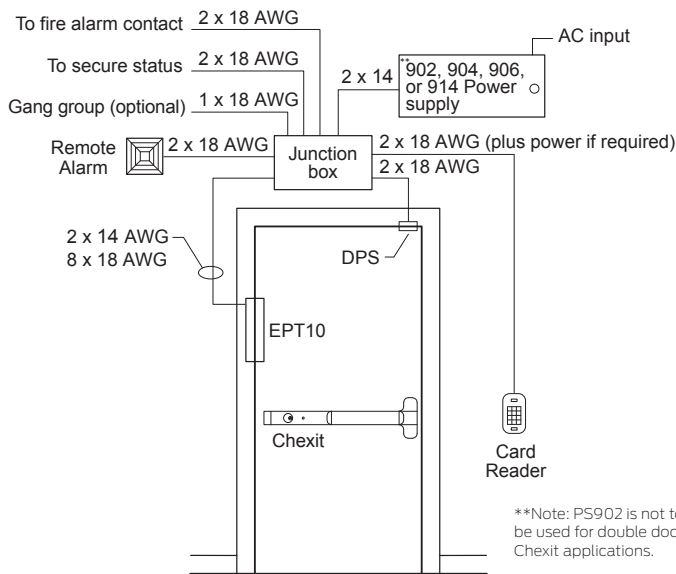


Figure 1. Riser Diagram, Single Door

## Minimum door opening sizes for CX devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX33A/35A	2'10 <sup>3</sup> / <sub>4</sub> " (883mm)	3'4 <sup>3</sup> / <sub>4</sub> " (1035mm)
CX3327A/3327A-F/3527A/3527A-F	2'10 <sup>1</sup> / <sub>4</sub> " (870mm)	3'4 <sup>1</sup> / <sub>4</sub> " (1022mm)
CX3347A/3347A-F/3547A/3547A-F	2'10 <sup>1</sup> / <sub>4</sub> " (870mm)	3'4 <sup>1</sup> / <sub>4</sub> " (1022mm)
CX3348A/3348A-F/3548A/3548A-F	2'10 <sup>1</sup> / <sub>4</sub> " (870mm)	3'4 <sup>1</sup> / <sub>4</sub> " (1022mm)
CX3349A/3349A-F/3549A/3549A-F	2'10 <sup>1</sup> / <sub>4</sub> " (870mm)	3'4 <sup>1</sup> / <sub>4</sub> " (1022mm)
CX3350/3350WDC-F/ 3550/3550WDC-F	2'10 <sup>1</sup> / <sub>4</sub> " (870mm)	3'4 <sup>1</sup> / <sub>4</sub> " (1022mm)

### Specifications / Power supply requirements\*

Input voltage – 24VDC

Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

## Power supply information for CX devices with motor driven blocking actuator\*.

Power supply	Maximum number of devices
PS902 (up to 2 amps)	1 Chexit device
PS904 (up to 4 amps)	3 Chexit devices
PS906 (up to 6 amps)	4 Chexit devices
PS914 (up to 4 amps)	4 Chexit devices

When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table above for output ratings. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. Call Customer Care at 877-671-7011 or visit the Allegion website for more information - [www.us.allegion.com](http://www.us.allegion.com).

## How to order\*

### To order, specify:

1. Prefix product description number "CX".  
Example: CX33A-L
2. Specify option (see options on page 38).  
Example: CX-RCM
3. Door size other than 3' (914mm).
4. Door thickness other than 1<sup>3</sup>/<sub>4</sub>" (45mm).
5. Finish.

\*Note: Chexit devices built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

## 33/35 Chexit, RCM and DE5300 features

The Chexit, Remote Chexit Module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

### Inputs & Outputs

#### Fire Alarm Input

This input releases the door immediately upon a fire alarm allowing immediate egress. The Internal Alarm can be silenced during a fire input via an onboard switch setting.

#### Inhibit Input (Access Control)

This optional input is provided to allow authorized egress or entry when the device is Armed using an external card reader, Key Switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

#### Door Position Switch Input

An optional Door Position Switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

#### Gang Bus

The Gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the Release Delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the Gang Bus.

#### Alarm Relay Contacts

The Alarm Relay contacts are provided as a means to control a Remote Alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as Normally Open or Normally Closed, and become active upon entering an alarmed condition.

#### Secure Relay Contacts

The Secure Relay contacts are provided as a means to signal an external monitor. The contacts can be configured as Normally Open or Normally Closed with a jumper, and become active when the DPS indicates the door is closed and the Push Pad is locked.

### Delays

#### Release Delay

When the Push Pad is pushed and the Nuisance Delay expires, the Chexit, RCM or DE5300 enters the Release Delay with alarm. During the Release Delay, the Internal Alarm sounds, the Alarm Relay activates, and the Chexit/RCM keeps the Push Pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the Nuisance Delay). Once started, the Release Delay sequence will not stop and the devices will unlock.

#### Nuisance Delay

When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the Push Pad is accidentally pushed. The Nuisance Delay is the brief time a Push Pad can be accidentally pushed before the Release Delay sequence starts. If the Nuisance Time is set to 0 seconds the Chexit, RCM or DE5300 will enter Release Delay as soon as the Push Pad is pushed (when armed). Setting the Nuisance Time to 1, 2, or 3 seconds allows the Push Pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into Release Delay. If the Nuisance Audio and Nuisance Delay are both on, the Internal Alarm will pulse during the Nuisance Delay. The Alarm Relay does not activate during the Nuisance Delay. If the Push Pad is released before the Nuisance Delay expires, the Chexit, RCM or DE5300 will remain armed.

#### Rearm Delay

The Rearm Delay is the amount of time after the Key Switch or Inhibit Input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The Rearm Time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the Rearm Time is set to 30 seconds and a DPS is used, if the door is opened and the Rearm Time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

#### DPS Delay

If the DPS detects that the door closed during the Rearm Delay, the Chexit, RCM or DE5300 ends the Rearm Delay and allows 2 seconds for the latch to clear the strike before rearming.

### Interface

#### Key Switch

The Key Switch provides the means to Arm or Disarm/Reset the Chexit, RCM or DE5300. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counter-clockwise Disarms/Resets the Chexit, RCM or DE5300. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

#### Status Indicator

The red Status Indicator displays the status of the Chexit, RCM or DE5300. The Status Indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

#### Internal Alarm

The Internal Alarm sounds the status of the Chexit, RCM or DE5300. The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

### Settings

#### Armed Powerup

When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

#### Trim Fail Safe / Fail Secure (FS/FSE)

The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

#### Trim Operation Overview

Rim and Vertical Application: Trim will not function when Chexit is armed.

#### 33A/35A Chexit Using Lever Trim

	Mechanical trim	Electric Trim (BE Only)
Rim and vertical	Do not use mechanical level trim.	Access control disarms Chexit and unlocks electric trim. Rotate lever to enter.

## 33A/35A Chexit options

**RCM Remote Chexit Module** — is designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard Chexit device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the Remote Chexit Module.



RCM Module

### Minimum door opening sizes for RCM devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM33A/35A	2'5" (737mm)	2'11" (889mm)
CX-RCM3327A/3327A-F /3527A/3527A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3347A/3347A-F /3547A/3547A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3348A/3348A-F /3548A/3548A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3349A/3349A-F /3549A/3549A-F	2'4½" (724mm)	2'10½" (876mm)
CX3350/3350WDC-F /3550/3550WDC-F	2'4½" (724mm)	2'10½" (876mm)

#### Specifications / Power supply requirements\*

Size – 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

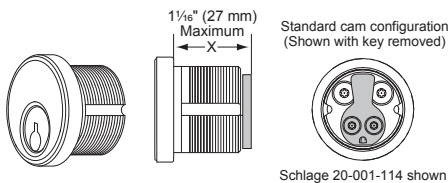
Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

**Cylinders** — Cylinders are not furnished with the Chexit device and must be specified when ordering. Use 1¼" mortise cylinder with compression ring 36-083 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.



### How to order\*

See Chexit "How to order" on page 36.

\*Note: RCM modules built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

## DE5300 Delayed Egress System

**DE5300 Delayed Egress System** — is designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.



DE5300 Module

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

The DE5300 device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.  
DOOR CAN BE OPENED IN 15 SECONDS"

**Cylinders** — Cylinders are not furnished with the DE5300 and must be specified when ordering. Use 1¼" mortise cylinder with compression ring 36-083 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.

#### Specifications / Power supply requirements

Size - 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current – 1A

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

### How to order

To order, specify:

- DE5300
- M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
- RX-LC 22/33A/35A/98/99 device.
- PS900 Series
- EPT-2/10

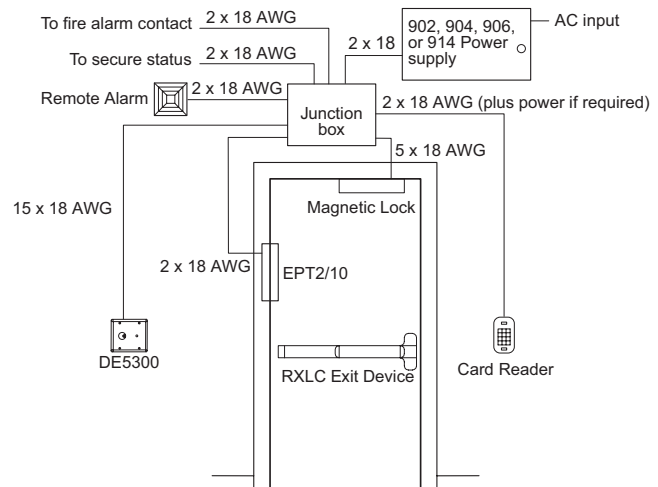


Figure 1. Riser Diagram, Single Door

# 33A/35A Electrical options

## QEL Quiet electric latch retraction

The QEL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. Different than the popular EL, the QEL quiet operation is achieved using an electric drive motor which retracts the latch bolt either momentary unlatching or for extended periods of time. This feature is an alternative to manual dogging.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**.

UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

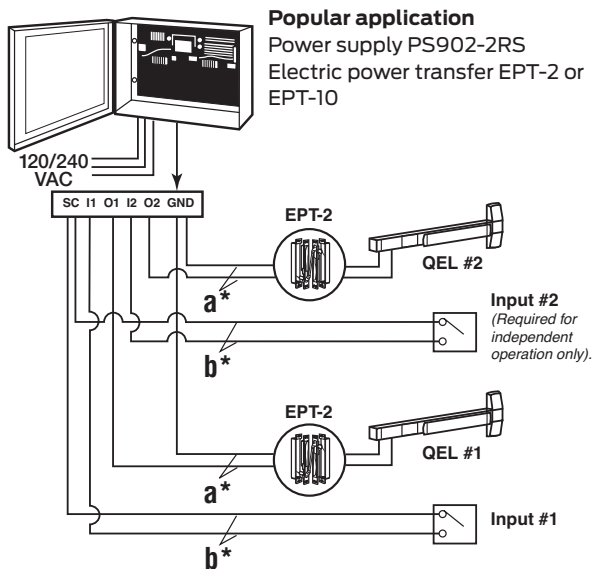
The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

QEL Electrical load	
Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) 0.14 A Holding 2.0 A Calibrate (3 sec. one time)

### To order, specify:

- Standard – Use prefix QEL, example QEL33A-L.

### Popular QEL application



### QEL Device wire selection size

a*	Distance (one-way)	Wire Gauge
	200 ft.	18 AWG
	320 ft.	16 AWG
	500 ft.	14 AWG
	800 ft.	12 AWG

b*	Wire selection	Switch wire size
	1200 ft. Max.	18 gauge standard

## EL Electric latch retraction

The EL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for momentary unlatching, or for extended periods of time. The EL feature is an alternative to manual dogging. If manual hex-key dogging is required, specify HD-EL.

EL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**. UL approved for Class II circuit applications.

The EL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS914 power supply.

The PS914 with the 900-2RS option card is minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

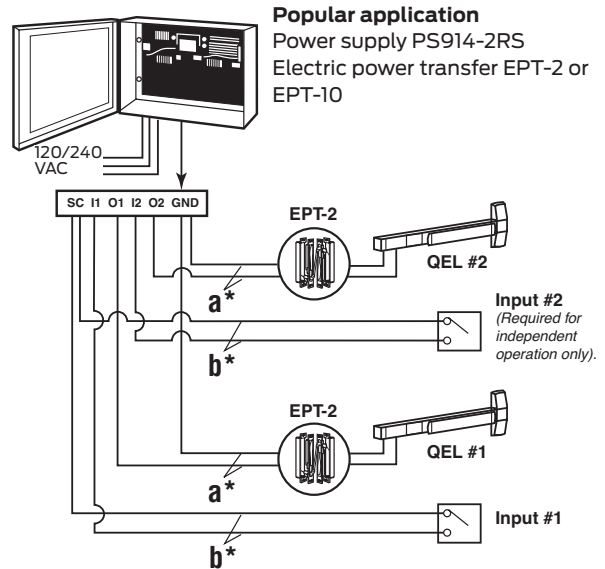
### Solenoid specifications:

Continuous Duty – 24 VDC  
Current Inrush – 16 Amps  
Current Holding – 0.3 Amps

### To order, specify:

- Standard – Use prefix EL, example EL33AL
- Hex Key dogging – Use prefix HD-EL, example HD-EL33AL

### Popular EL application



### EL Device wire selection size

	Von Duprin exit device	EL Wire length (feet) <sup>1</sup>	Wire gauge (AWG)
	EL 33A/35A Rim	0-500	12
		0-300	14
		0-200	16
a*	All other EL33A/35A device types	0-250	12
		0-150	14
		0-100	16
b*	Control Switch	0-1200	18

1. Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS914/option board and the device.

2. Table is applicable to devices that have shipped after August 2012.

# 33A/35A Electrical accessories

## Power supplies

### Series PS902/914



#### Overview:

The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2\*, filtered and regulated power. The full line is UL294 certified.

**Note:** PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

#### Features:

- Constant output rating at both 12 VDC and 24 VDC provides superior performance ; includes field selectable jumper
- Polarized connectors for option boards eliminate need for racks and side connectors
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high in rush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

#### Certifications:

- UL 294 certified—the standard for access control
- Class 2 rated\*

\* Except PS906, output rating exceeds Class 2 power limits

Once power is converted to low voltage DC, the PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

\* PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

	PS902	PS904	PS906	PS914
Number of connectors on power supply for the following:	2 amps	4 amps	6 amps	4 amps
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1

**Note:** One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

#### Applications:

The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD-Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes , Von Duprin exit devices, and many other brands.

#### Accessories:

The Schlage PS900 Series features seven option boards for use in a variety of applications. All Schlage PS900 Series power supplies option boards are UL 294 certified.

#### Option boards:

**900-4R:** 4 relay controlled output board to power multiple devices

**900-4RL:** 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock

**900-8F:** Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection

**900-FA:** Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency

**900-BB:** Battery backup

**900-2RS:** 2 relay EL/QEL panic device control board (PS914 only)

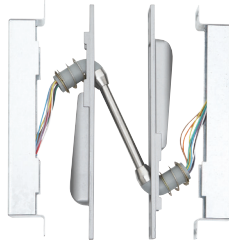
**900-BBK:** Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load



# 33A/35A Electrical accessories

## EPT Electrical power transfer PNT Pneumatic transfer

Electric power transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideally suited for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2 and EPT-10 are U/L listed as "miscellaneous door accessory".

### Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

UL Listed for use on fire doors

### Door applications:

Degree of opening	Hinge type	Door thickness
0-180	Up to 5" butt hinges	1 3/4"
0-180	Up to 3/4" offset pivots	1 3/4"
0-130	5 1/2" butt hinges	1 3/4"
0-110	6" butt hinges	1 3/4"
0-90	Swing clear hinges	1 3/4"

### Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic).

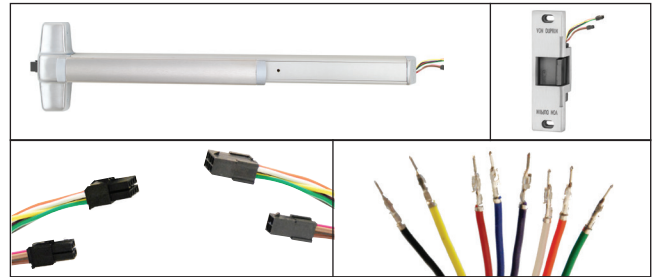
### Dimensions

Housing	9" x 1 1/4" x 1 5/8" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
PNT-1	5/32" Tubing

### To order, specify:

1. EPT-2, EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

## Allegion Connect



Allegion's cross-category Connect features common interconnect components to our electrified options. Allegion Connect is a quick and easy way to connect power sources; all the way from your power supply to locking device. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion's Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

### Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P

Power Supply Wire Harness = Connectors on one end, stripped leads on the other end, offering a direct connection to the power supply

6 Inches	CON-6W - wire extension to power supply
----------	---

Consult door manufacturer for harness length requirements.

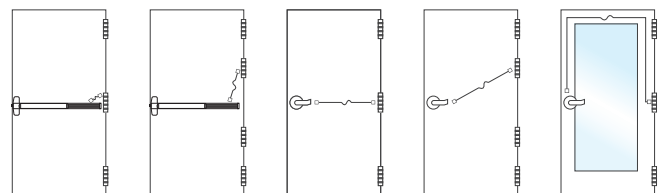
**Note:** You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

**Note:** Must be ordered with exit devices and locks

### How to order

1. Specify CON for Connect electronic options  
Example: EL-35-EO-CON (35 Series Electrified Latching exit only with Connect connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

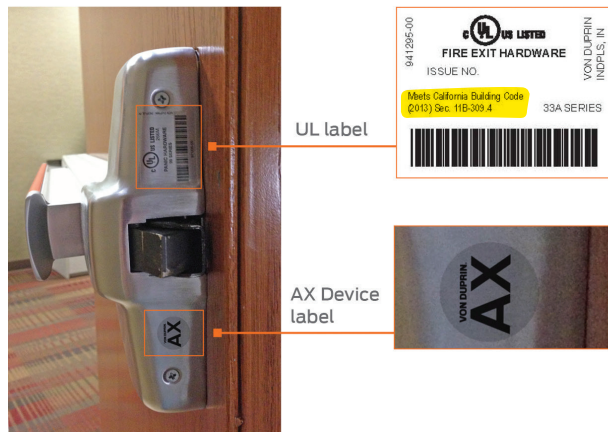
### Wire run options



## 33A/35A Mechanical options

### AX Accessible device

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX33/35A, AX33/35A-F, AX33/3549A LBL, AX33/3549A-F LBL, AX33/3549A-F LBLAFL. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California Building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.



### PN Pneumatic controlled exit devices



The PN feature provides remote latch bolt retraction in hazardous areas where electrically operated devices would not be permitted. The pneumatic solenoid will retract the latch bolt for momentary or prolonged periods. PN exit devices are particularly suited for use with automatic door operators. The PN feature is available on both Panic and fire exit hardware devices.

The PN feature includes a special actuating linkage that gives building owners the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify HD-PN (Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.) If cylinder dogging is required, the standard cylinder dogging is not available.

When activated pneumatically, the latch bolt(s) of the exit device retract in  $1/22$  to  $1/2$  seconds. This pneumatic operation uses air pressure ranging from 50 to 100 pounds per square inch.

This product will function only when it is part of a pneumatic system (air compressor, air lines, pneumatic system, etc.).

Contact LCN for correct control boxes.

#### To order, specify:

- Standard — Use prefix PN, example PN99NL
- Hex Key Dogging — Use prefix HD-PN, example HD-PN33ANL
- Special Center Case Dogging (handing is required, specify RHR or LHR) — Use prefix SD-PN, example SD-PN33ANL

### PNT pneumatic transfer

#### Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

### RSS Red Silk Screen



Red silkscreen lettering on touchpad trim. - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on SS devices.

To order, specify: Suffix RSS, 3327L-RSS RHR

### WH Weep holes

WH is available for all 98/99 Series exit devices. Weep holes are ideal for devices that are mounted to exterior doors that can be exposed to rain and other elements. Hole spacing on 3' and 4' devices are every 6" on center. A 3 foot device will have 5 holes, are 4 foot device will have 7 holes.

To order, specify: Suffix WH, 33A-EO-WH

### SS Signal switch

#### Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is

equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the  $1\frac{1}{4}$ "

(32mm) mortise with straight

cam for alarm "bypass." (Schlage cam reference B502-191). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

#### To order, specify:

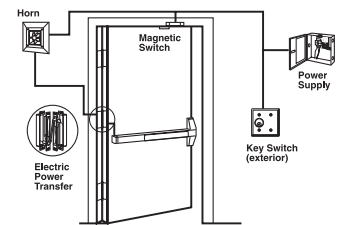
1. Prefix SS, example SS33AL
2. Handing Required, LHR or RHR

#### Electrical ratings:

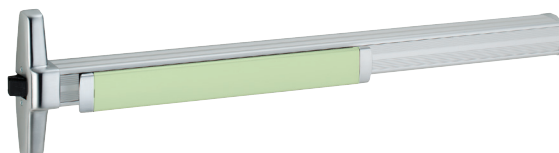
Up to 2.0 AMPS @ 24VDC

#### Popular SS application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.



### SG Safety glow



Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The Safety Glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

To order, specify: Suffix SG, EL 3327A-SG

## 33A/35A Mechanical options

### Dogging options

#### LD Less dogging

Less Dogging is available in all 33A/35A Panic Exit devices to remove the dogging option.

**To order, specify:** 1. Use prefix LD, example LD33AL

#### CD Cylinder dogging

Cylinder dogging is available on all 33A/35A Panic Exit devices to replace the standard hex key dogging. Unit requires a standard 1<sup>1</sup>/<sub>4</sub>" (32mm) mortise cylinder with a straight cam (Schlage Cam B502-191 reference).

**To order, specify:** 1. Use prefix, CD, example CD33AL

#### CDK Cylinder dogging kit

For field conversion, a cylinder dogging conversion kit is available. Cannot be added to fire exit hardware.

**Order:** 33A/99CDK or 35A/98CDK, specify finish



#### Dummy pushpad

The 330 dummy pushpad is designed as a companion unit for all 33A devices. The 350 dummy pushpad is a companion unit for all 35A devices. The pushpad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 386DT, 360L-DT, 550DT, 392-6 trim or any Ives Pull.

The 330/350 can be equipped with a functional pushpad and will accommodate an RX switch. Specify RX-330. May also be equipped with the RX2, double RX switch. Specify RX2-330

#### To order, specify:

1. 330 or 350
2. Size 3' or 4' (914mm or 1219mm)
3. Finish, US3, US4, US10, US26, US26D, US28, 313AN, 315AN, 350 Only US32D.

## 33A/35A Device options & accessories

### RG-27 Vertical rod and latch guard



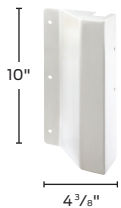
Rod Guard

Series RG-27 Vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

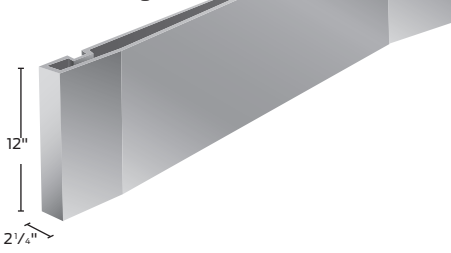
In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4" W x 10" H x 1 7/8" projection.

Latch Guard



Extended latch guard



#### Models

RGO	Rod guard only (Projection 1 3/16")
RG-27	Rod and latch guard
RG-27-3	3' (914mm) Rod guard and extended latch guard
RG-27-4	4' (1219mm) Rod guard and extended latch guard
LGO	Latch guard only
LGO-3	3' (914mm) Extended latch guard only
LGO-4	4' (1219mm) Extended latch guard only

**Note:** Wood doors - Can be used on fire doors with high density blocking with sheet metal screws. For non-fire rated wood doors use sex bolt.

#### To order, specify:

1. Model number.
2. Handing (except on RGO).
3. Door material if other than Hollow metal.
4. Optional sex bolt mounting available.

### LBR/LBL Less bottom rod/Less bottom latch

LBR/LBL option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Fits door stiles as narrow as 3 5/8".

LBR/LBL devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

LBR/LBL used on non-fire rated devices, the spring loaded auxiliary latch bolt is not required. Device is supplied less bottom rod, latch and strike.

### PL Pullman latch

When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices. Not recommended where security is of the utmost since latches do not deadlock.

### GBK Glass bead kit

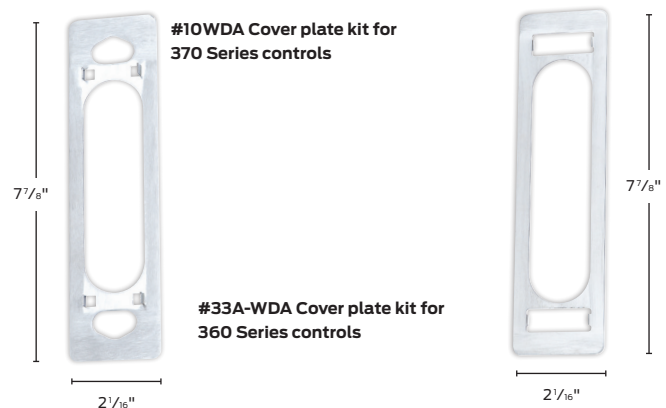
Glass bead conversion kits are available for all 33A/35A Series devices for use on doors with raised glass beads. Each kit consists of 1/4" (6mm) shim sets. GBK for Surface vertical rod ships with 1/8" shims for rod guides.

#### To order, specify:

1. 33AGBK
2. Device type (Rim, mortise, surface vertical rod, concealed vertical rod)
3. Wood door, when used with concealed vertical rod

### WDA Cover plate kit

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.



## 33A/35A Device options & accessories

### Mullions

Removable steel mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of 1/8" (3mm).

Mullions are shipped with mounting screws and prepared for strikes. Strikes are not included except where indicated.

Steel mullions are available in SP28 and SP313 finishes. Consult factory for other powder coat finish options.

**KR – Keyed removable steel mullions** make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without the use of the cylinder key. Uses a 1 1/4" mortise cylinder with a straight cam (Schlage cam reference L583-477). Cylinders are sold separately. Prefix mullion model with "KR".

Removable aluminum mullions are 1 1/8" (27mm) wide on face closest to the door and 2 3/8" (60mm) at the widest point. The depth is 3 1/8" (79mm) with a wall thickness of 1/8" (3mm).

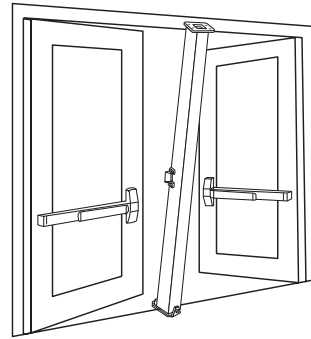
Aluminum mullions are available in US4, US10, US28, 313 and 315 finishes. Consult factory for other powder coat finish options. Aluminum mullions are not available keyed removable.

Stock hollow metal applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

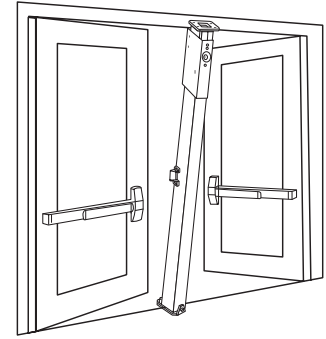
**Blank mullions** are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

#### To order, specify:

1. For Keyed Removable option on steel mullions, prefix model number with "KR"
2. Model number
3. Height of opening
4. Finish
5. Handing if required
6. Centerline deviation (refer to device template for standard centerline)
7. Strikes, when required, should be ordered with device



Removable mullions



Keyed removable steel mullions

### Steel mullions

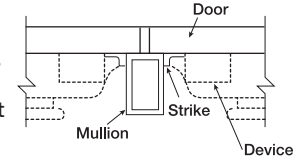
**1654** Prepared for two 1606 strikes. If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.

**4954** Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices.



**9954** Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 33A-F, 35A-F, 98-F, 99F devices).

UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings.



33A-F and 35A-F devices are rated up to 10'0" (3048 mm).

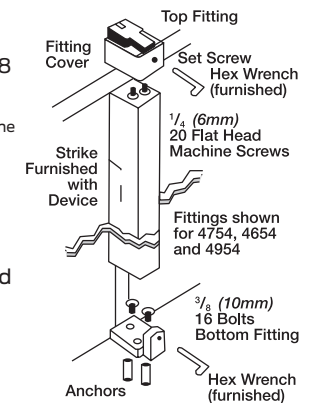
**Note:** If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.

**4754** Prepared for two 4263 monitor strikes.

**4854** Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.



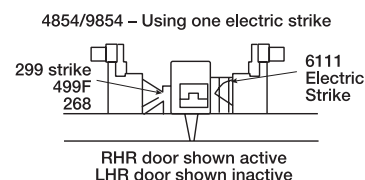
**9854** Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labeled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin fire exit rim devices



### Aluminum mullions

**5654** Prepared for two 299 strikes.

**5754** Prepared for 1408 double strike.



# 33A/35A Additional information

## UL Listed — Fire exit hardware label/Opening size

Exit device	Single door	Double door	
		Same direction	Double egress
33A/35A-F	3 Hour 4' x 10'	3 Hour 8' x 8' (w/ KR98/9954 mullion) 3 Hour 8' x 10' (w/ 98/9954 mullion)	—
3327A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'
3527A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'
3347A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'
3547A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'
3348A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'
3548A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'
3349A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'
3549A-F	—	90 Min. 8' x 10'	3 Hour 8' x 10'

When using the 3347A-F and 3547A-F in a wood door application, consult wood door manufacturers for current UL listings.

## Cylinders

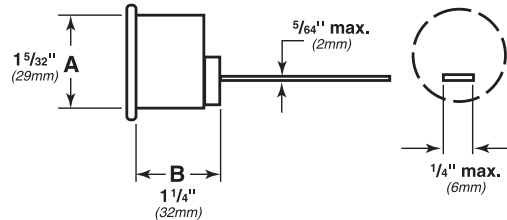
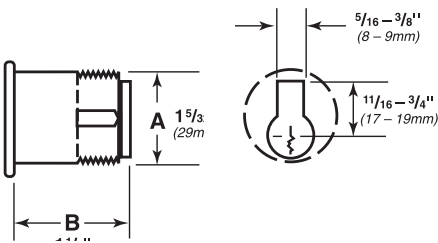
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.



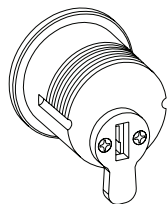
Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)

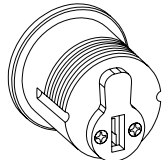


### Dogged (inverted) cam



For cylinder dogging or 360L

### Undogged cam (standard operations)



For standard trim functions or 360L-NL