

VON DUPRIN®

33A/35A™
Series

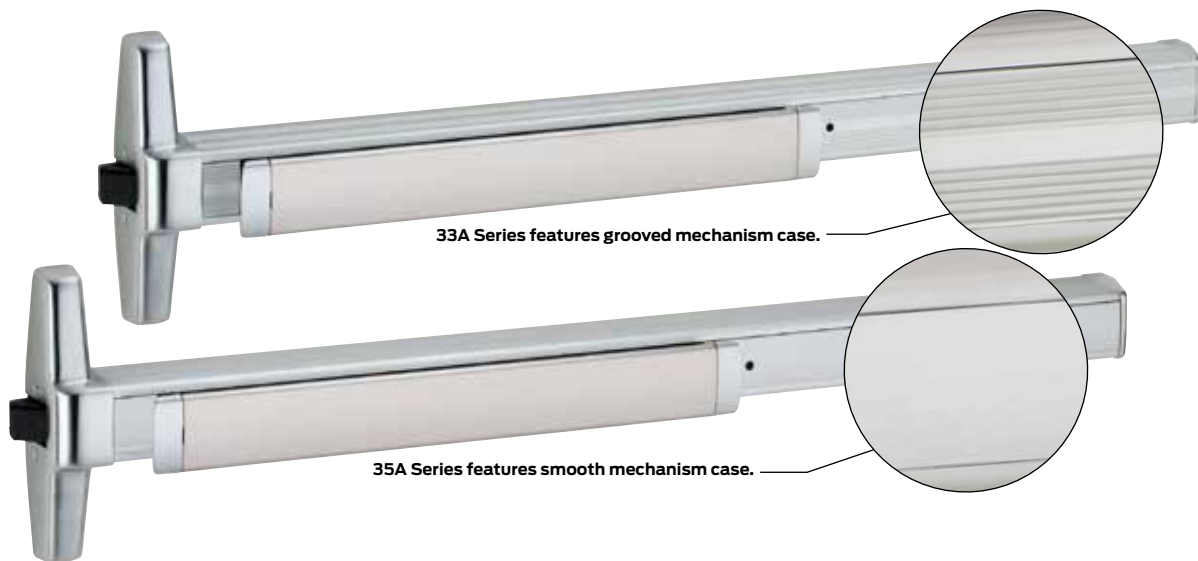
Exit devices



Introduction

The proper selection and application of exit hardware, in addition to safety, are major concerns to all responsible manufacturers. Exit devices are a critical part of a door opening or access system and will provide safe and reliable service when properly applied and maintained. It is the policy of Von Duprin to design and manufacture exit devices to a high standard of quality and reliability in accordance with accepted U.S. domestic and international standards.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.



Von Duprin pushpad exit devices are available in two external surface styles, designated 33A Series and 35A Series. The two styles are mechanically and dimensionally identical and provide a wide selection of appearance options.

The Quiet One®

A fluid damper decelerates the pushpad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 33A/35A Series exit devices.



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Table of contents

Exit hardware

Rim devices

| | |
|---------|---|
| 33A/35A | 8 |
| Trim | 9 |

Surface mounted Vertical rod devices

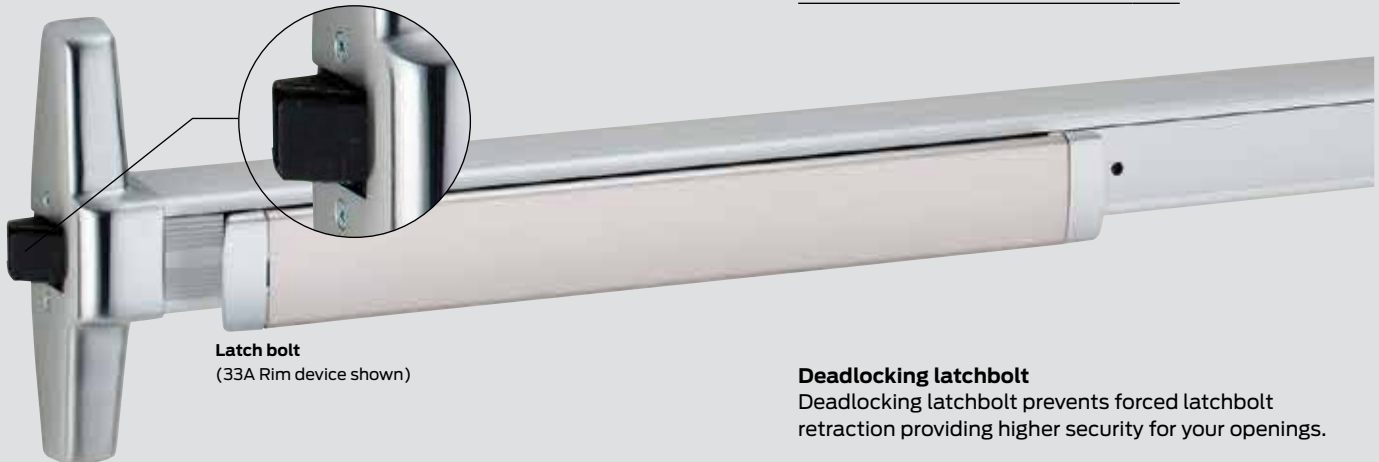
| | |
|-------------|----|
| 3327A/3527A | 10 |
| Trim | 11 |

Concealed vertical rod devices

| | |
|-------------|----|
| 3347A/3547A | 14 |
| Trim | 15 |
| 3348A/3548A | 18 |
| Trim | 19 |
| 3349A/3549A | 22 |
| Trim | 23 |

Fire exit hardware

| | |
|-----------------|----|
| 3327A-F/3527A-F | 12 |
| Trim | 13 |
| 3347A-F/3547A-F | 16 |
| Trim | 17 |
| 3349A-F/3547A-F | 24 |
| Trim | 25 |



Latch bolt
(33A Rim device shown)

Deadlocking latchbolt

Deadlocking latchbolt prevents forced latchbolt retraction providing higher security for your openings.

Be sure to ask your SSC representative to tell you about **Custom Solutions** by Ingersoll Rand Security Technologies. To learn more visit securitytechnologies.allegion.com.



QuietSolutions



CustomDécor



HighSecurity and Safety



EnvironmentalSolutions



FlexibleConfigurations

Options and accessories

| | |
|--|---|
| Applications & trim operation | Trim selection Optional trim |
| Trim options | Optional levers Optional trim Trim selection Operation options |
| Strike options | Optional strikes |
| Additional information | ANSI Grade, type & function Device dimensions Finishes Fire label ratings/applications Handing How-to-order information Nomenclature Popular double door applications Minimum stile information |

Symbols



Indicates fire rated application



Indicates ADA products

| | |
|---------------------------|--|
| Electrical options | ALK Exit alarm kit RX Request to exit WP-RX Request to exit E-Trim LX Latch bolt monitoring EL Electric latch retraction QEL Electric latch retraction SS Signal switch PN Pneumatic LBR/LBL Less bottom rod/latch PL Pullman Latch RG-27 Vertical rod and latch guard Dummy pushpad CD Cylinder dogging CDK, HDK Cylinder dogging and Hex key dogging kits GBK Glass bead kit Cylinders CON Allegion Connect |
|---------------------------|--|

| | |
|-------------------------------|--|
| Electrical accessories | Power supplies PS902 PS914 EPT Electric power transfer |
|-------------------------------|--|

How to order information

Rim devices, specify:

- Exit device model number with trim selection. Examples: 33A-EO (exit only with no outside trim). 33A-NL (includes 386NL trim). 33A-NL-OP (includes the 388 trim less pull).
- Size 4' (1219mm) for door sizes 2' 10" (940mm) to 4' (1219mm). Size 3' (914mm) for door sizes 2' 4" (792mm) to 3' (914mm) is shipped standard.
- Door thickness if other than 1 3/4" (44mm).
- Door and frame material if other than aluminum.
- Finish, see page 38.
- Handing required on "L", "SS", or "386NL". Specify LHR or RHR. See page 7.

Vertical rod devices, specify:

- Exit device model number with trim selection. Examples: 3327A-EO (exit only with no outside trim.) 3327A-TL-OP (includes 360T Control) 3327A-TL (includes 374T and 386DT).
- Size 2' (1219mm) for door sizes 2' (610mm). Size 3' (914mm) for door sizes 2' 2" (792mm) to 3' (914mm) is shipped standard. Size 4' (1219mm) for door sizes 2' 8" (940mm) to 4' (1219mm).
- Door thickness if other than 1 3/4" (44mm).
- Door height if greater than 7' (2134mm) surface vertical rod device (8' 4" for concealed devices) or extension rods will be supplied.
- Door and frame material if other than aluminum or hollow metal.
- Finish, see page 38.
- Handing required on "L", "SS", or "386NL". Specify LHR or RHR. See page 7.

Pullman latches are optional for 3327A/3527A and 3347A/3547A devices. Latchbolts remain extended at all times. Specify "Pullman Latch" when required.

Device trim, cross-reference*:

| 33/35 Devices | Status | 33A/35A Devices |
|---------------|----------|------------------------------|
| 333NL-TP | Replaced | 386NL |
| 333DT | Replaced | 386DT |
| 337NL-TP | Replaced | 386NL |
| 337DT | Replaced | 386DT |
| 334 | Replaced | 388 |
| 334 x 550 | Replaced | 388 x 550 |
| 370L | Replaced | 360L |
| 370T | Replaced | 360T |
| 372L | Replaced | 360L |
| 374T x 333DT | Replaced | 374T x 386DT |
| — | New | 374T x 392-6 |
| 376T x 337DT | Replaced | 376T x 386DT |
| — | New | 376T x 392-6 |
| 3308NL | Obsolete | — |
| 3308DT | Obsolete | — |
| — | New | 388 x Ives 8190 Series Pull |
| — | New | 360T x Ives 8190 Series Pull |

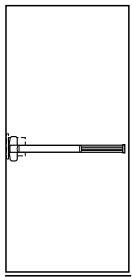
*New trims not compatible with old devices, neither are old trims with new devices.

Nomenclature – how to order

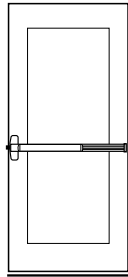
| | | EL | 33 | 27A | -L | -16 | -F | LBR | 3' | US3 | RHR |
|-----------------|---|----|----|-----|----|-----|----|-----|----|-----|-----|
| CD | Cylinder dogging - panic only | | | | | | | | | | |
| CX | Chexit delayed egress - rim only | | | | | | | | | | |
| EL | Electric latch retraction | | | | | | | | | | |
| HD-EL | Electric latch retraction with hex dogging | | | | | | | | | | |
| QEL | Quiet electric latch | | | | | | | | | | |
| HH | Hurricane | | | | | | | | | | |
| LD | Less dogging | | | | | | | | | | |
| LX | Latchbolt monitoring | | | | | | | | | | |
| LX-LC | Latch bolt monitor low current | | | | | | | | | | |
| LX-RX | Latchbolt monitor / request to exit | | | | | | | | | | |
| LX-RX-LC | Latchbolt monitor / request to exit low current | | | | | | | | | | |
| PL | Pullman latch | | | | | | | | | | |
| PN | Pneumatic | | | | | | | | | | |
| RX | Request to exit | | | | | | | | | | |
| RX-LC | Request to exit low current | | | | | | | | | | |
| RX2 | Request to exit double switch | | | | | | | | | | |
| SS | Signal switch | | | | | | | | | | |
| AX | Accessible device | | | | | | | | | | |
| WP-RX | Waterproof request to exit | | | | | | | | | | |
| 35A | Series 35A-smooth | | | | | | | | | | |
| 33A | Series 33A-grooved | | | | | | | | | | |
| A | Rim device | | | | | | | | | | |
| 27A | Surface mounted vertical rod device | | | | | | | | | | |
| 47A | Concealed vertical rod device | | | | | | | | | | |
| 48A | Concealed vertical rod device | | | | | | | | | | |
| 49A | Concealed vertical cable device | | | | | | | | | | |
| DT | Dummy trim | | | | | | | | | | |
| EO | Exit only | | | | | | | | | | |
| L | Lever (classroom) | | | | | | | | | | |
| L-BE | Lever-blank escutcheon (passage) | | | | | | | | | | |
| L-DT | Lever-dummy trim | | | | | | | | | | |
| L-NL | Rigid Lever - Night latch (key retracts latchbolt) | | | | | | | | | | |
| NL | Night latch (key retracts latchbolt) | | | | | | | | | | |
| NL-OP | Night latch cylinder assembly – optional pull | | | | | | | | | | |
| T | Thumbturn | | | | | | | | | | |
| TL | Turn Lever | | | | | | | | | | |
| T-BE | Thumbturn-blank escutcheon | | | | | | | | | | |
| TL-BE | Turn Lever-blank escutcheon (Passage) | | | | | | | | | | |
| XX | Lever Style 06 standard Optional 01, 02, 02KN, 03, 03KN, 05, 06KN, 07, 12 (handed), 16, 17, 17KN, 18, ACC, AST, MER, STA | | | | | | | | | | |
| F | Fire Exit Device 27A, 47A, 48A, 49A Only | | | | | | | | | | |
| LBR | Less Bottom Rod | | | | | | | | | | |
| LBL | Less Bottom Latch | | | | | | | | | | |
| ALK | Standard Alarm Kit | | | | | | | | | | |
| ALK-AR1 | Auto-Reset 1½ minute alarm kit | | | | | | | | | | |
| ALK-AR3 | Auto-Reset 3 minute alarm kit | | | | | | | | | | |
| ALK-AR6 | Auto-Reset 4½ minute alarm kit | | | | | | | | | | |
| CON | Allegion Connect | | | | | | | | | | |
| 2' | 2' Device (2' Door Size) 27A, 47A or 49A only | | | | | | | | | | |
| 3' | 3' Device (2' 4"– 3' Door Size) | | | | | | | | | | |
| 4' | 4' Device (2' 10"– 4' Door size) | | | | | | | | | | |
| Finishes | US3, US4, US10, US15 (35A only), US26, US26D, US26D-AM, US28, 313, 315 | | | | | | | | | | |
| HR | Handing – RHR or LHR | | | | | | | | | | |

Popular double door applications

Single door applications

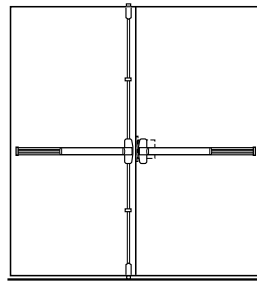


Single mortise lock device

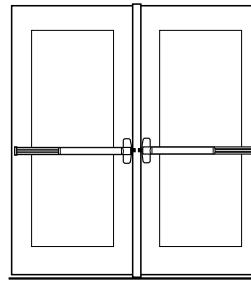


Single rim device

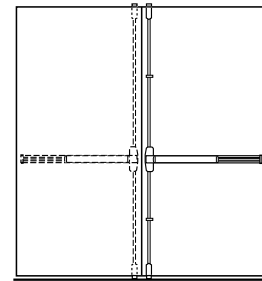
Double door applications



Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction

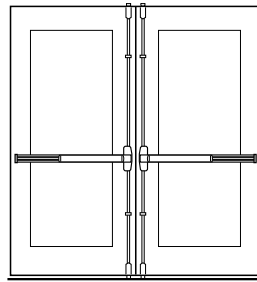
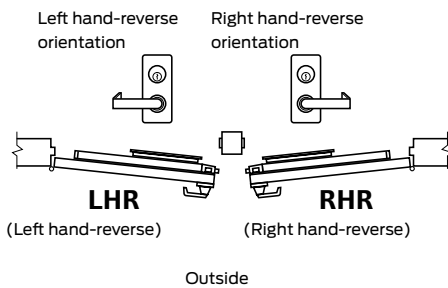


Two rim devices with mullion—same direction

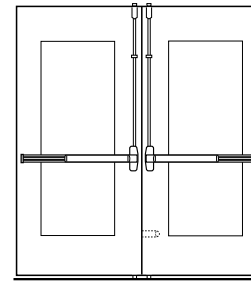


Two vertical rods—double egress

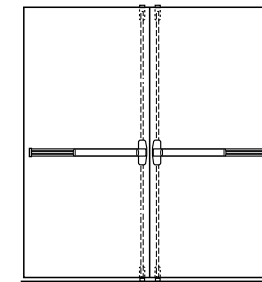
Door handing



Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two Fire Exit Hardware vertical cables/rods with auxiliary fire latch-LBR option



Two concealed vertical cables/rods

Trim Operation lever

Standard



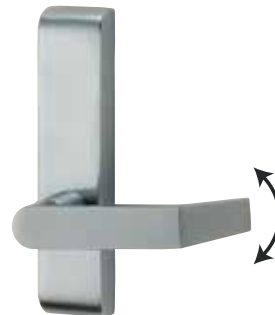
Key locks and unlocks lever. e.g., 360L (Classroom)

Night latch



Key unlocks lever, lever is relocked when key is removed. Use NL suffix, e.g., 360LNL (Storeroom)

Blank escutcheon



Lever always active. Use BE suffix, e.g., 360L-BE. (Passage)

Dummy



Lever is rigid for pull operation. Use DT suffix, e.g., 360L-DT.

374T/376T Series thumbturn control



Standard operation, key locks and unlocks thumbturn. Optional operation, key unlocks thumbturn, re-locks when key is removed. This operation is created by changing the cylinder plate included with control. Use 1 1/2" mortise cylinder with a straight cam. Schlage cam reference B502-191. Not available for 3349/3549 devices.

E360 Series controls

The E360 series controls provide the same choice of lever or thumbturn control of the 33A/35A Series exit device. Additionally, these trims have the advantage of being electrically controllable by a remote switching device, an access control system or automatic fire alarm system. The trim operates with a rotary solenoid that controls the locking cam the same way the standard cylinder works. These trims are available as -BE (Blank Escutcheon) function only. These trims are designed for use with the rim, surface vertical and concealed vertical 33A/35A Series exit device. No cylinder override.

Options:

- Available in all device finishes
- 24VDC Solenoid (.5 amp draw)
- Fail Safe (FS) or Fail Secure (FSE)
- Blank Escutcheon (BE) only

To order, specify:

1. FSE or FS
2. Handing - (Lever control) field reversible
3. EPT-2/EPT-10 Power Transfer or Electric Hinge will be used

Lever styles



M51
Knurling available



M52
Knurling available



M53



M54



M55



M56



M57 **



M61
(Handed)



M62 **
(Handed)



M63
(Handed)



M81
Knurling available



M82



M83



M84



M85
(Handed)

** Available in Stainless Steel substrate ONLY.

Standard Levers



01



02
Knurling available



03*
Knurling available



05



06*
Default lever
Knurling available



07



12
(Handed)



16
(Omega)



17*
Knurling available



18



ACC
(Accent)
(Handed)



AST
(Asti)
(Handed)



MER
(Merano)
(Handed)



STA
(St. Annes)
(Handed)



LAT*
Latitude



LON*
Longitude

*Available in Stainless Steel - specify SS when ordering

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 – 2001 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 | ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Mechanical options | AX Accessible device |
| Miscellaneous options | GBK Glass bead kit PN Pneumatic HH Hurricane SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex Dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | 1439 – Dull black Optional strikes |

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

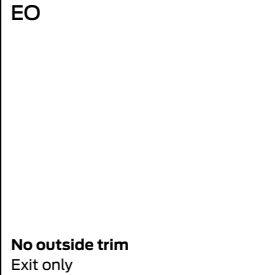



PN
Pneumatic latch retraction





- 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 |
|----------------------------|---|---|--|---|
| |  |  |  |  |
| Product description | 33A-EO 35A-EO | 33A-DT 35A-DT | 33A-NL 35A-NL | 33A-NL-OP 35A-NL-OP |
| Trim description | — | 386DT | 386NL | 388 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " (190x43mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁹ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) |
| ANSI function | 01 | 02 | 03 | 03 |
| Cylinder type | — | — | Rim | Rim |
| Handing | — | — | Handed | — |
| Optional trim | — | x360L-DT x550DT x IVES 8190 | — | x550DT x IVES 8190 10" |

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

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

Notes

3327A/3527A Surface mounted vertical rod device

3327A/3527A Surface mounted vertical rod device



3327A and 3527A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3527A has a smooth mechanism case and the 3327A has grooved case. The surface vertical rod device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3327A/3527A fits door stiles as narrow as 1³/₄" (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 | 2' 2' (610 mm) Door size - shipped less UL label 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 ¹³ / ₁₆ " (1006mm) |
| Center case dimensions | 8 ¹³ / ₁₆ " x 2 ¹³ / ₃₂ " x 1 ⁹ / ₁₆ " (208mm x 62mm x 40mm) |
| Mechanism case dimensions | 2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm) |
| Projection | Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ⁷ / ₁₆ " (78 mm) |
| Latch bolt | Deadlocking anti-friction top & bottom bolt ⁵ / ₈ " (16mm) throw |
| Door undercut | ¹ / ₄ " (7mm) |
| Top & bottom latch | 4 ⁷ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm) |
| Vertical rods | ¹ / ₂ " square tubing, standard rods accommodate 7' (2134mm) door Top rod length is 34 ¹⁵ / ₁₆ " (887mm) Bottom rod length is 31 ¹ / ₄ " (794mm) Extension rods available 1' (205mm) or 3' (914mm) for doors over 7' One piece top rod available for 8' (2438mm) -10' (3048mm) door |
| 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) #325 SNB furnished for top and bottom latches |
| Electric options | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Miscellaneous options | GBK Glass bead kit PL Pullman latch PN Pneumatic HH Hurricane LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | Top – 266 – Dull black, bottom – 248L4 & 304L – Unfinished Optional strikes |

| | |
|---|---|
| QEL Quiet electric latch retraction <ul style="list-style-type: none"> • Bolt retraction via switch • Converts exit door to push-pull operation | RX Pushpad monitor switch <ul style="list-style-type: none"> • Signals use of an opening • SPDT switch to monitor pushpad |
| E (E360L) Electric lever trim <ul style="list-style-type: none"> • Electrified remote locking/unlocking • Fail safe & fail secure options available • No key override | ALK Alarm exit kit <ul style="list-style-type: none"> • Unauthorized opening triggers 85-decibel horn • Set in armed or disarmed mode by key |
| DI Dogging Indicator <ul style="list-style-type: none"> • Monitor dogging status without a control panel • Red indicator light shows visibility to dogging from over 75 feet | CON Allegion Connectors <ul style="list-style-type: none"> • Common connectors to connect various door hardware all the way to the power supply |
| EL Electric latch retraction <ul style="list-style-type: none"> • Enables remote unlatching • Alternative to manual dogging | PN Pneumatic latch retraction <ul style="list-style-type: none"> • For areas where electrical devices banned • Special linkage for mechanical or pneumatic dogging |
| CD Cylinder dogging <ul style="list-style-type: none"> • Replaces hex key dogging • Requires standard 1¹/₄" mortise cylinder | |

Standard trim

| | EO | DT | NL | NL-OP | TL |
|----------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required | Thumbturn key locks & unlocks |
| Product description | 3327A-EO 3527A-EO | 3327A-DT 3527A-DT | 3327A-NL 3527A-NL | 3327A-NL-OP 3527A-NL-OP | 3327A-TL 3527A-TL |
| Trim description | — | 386DT | 386NL | 388 | 374T x 386 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 01 | 02 | 03 | 03 | 11-12 field selectable |
| Cylinder type | — | — | Rim | Rim | 1 ¹ / ₄ " Mortise |
| Handing | — | — | Handed | — | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" | x 392-6 |

| | TL-BE | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks | Thumbturn always operable (no cylinder) |
| Product description | 3327A-TL-BE 3527A-TL-BE | 3327A-L 3527A-L | 3327A-L-BE 3527A-L-BE | 3327A-T 3527A-T | 3327A-T-BE 3527A-T-BE |
| Trim description | 374T-BE x 386 | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — | — | — |
| Projection | 1 ³ / ₁₆ " (46mm) | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | — | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | — | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | — | Handed/Reversible | Handed/Reversible | — | — |
| Optional Trim | x 392-6 | — | E360L-BE | — | E360T-BE |

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3327A-F/3527A-F Surface mounted vertical rod fire exit device



3327A-F and 3527A-F for all types of double doors up to 8' x 10' (2438mm x 2540mm), UL listed for Fire Exit Hardware. See page 28 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 3527A-F has a smooth mechanism case and the 3327A-F has grooved case. The surface vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3327A-F/3527A-F fits door stiles as narrow as 2³/₁₆" (56 mm). 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 | 2' 2" (610 mm) Door size - shipped less UL label 3' 2"4" to 3' (660mm to 914 mm) door size 4' 2"8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 ¹³ / ₁₆ " (1006mm) |
| Center case dimensions | 8 ¹³ / ₁₆ " x 2 ¹³ / ₃₂ " x 1 ⁹ / ₁₆ " (208mm x 62mm x 40mm) |
| 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 anti-friction top & bottom bolt 5/8" (16mm) throw |
| Door undercut | 1/4" (7mm) |
| Top & bottom latch | 4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm) |
| Vertical rods | 1/2" square tubing, standard rods accommodate 7' (2134mm) door Top rod length is 34 ¹⁵ / ₁₆ " (887mm) Bottom rod length is 31 ¹ / ₄ " (794mm) Extension rods available 1' (205mm) or 3' (914mm) for doors over 7' One piece top rod available for 8' (2438mm) -10' (3048mm) door |
| 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) #325 SNB furnished for top and bottom latches |
| Electric options | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Miscellaneous options | GBK Glass bead kit PN Pneumatic HH Hurricane LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts |
| Strikes | Top – 266 – Dull black, bottom – 248L4 & 304L – Unfinished Optional strikes |

QEL
Quiet electric latch retraction

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

RX
Pushpad monitor switch

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

E (E360L)
Electric lever trim

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

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

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

3327A-F/3527A-F Surface mounted vertical rod fire exit device

Standard trim

| | EO | DT | NL | NL-OP | TL |
|----------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged (not recommended for fire device) | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required | Thumbturn key locks & unlocks |
| Product description | 3327A-EO-F 3527A-EO-F | 3327A-DT-F 3527A-DT-F | 3327A-NL-F 3527A-NL-F | 3327A-NL-OP-F 3527A-NL-OP-F | 3327A-TL-F 3527A-TL-F |
| Trim description | — | 386DT | 386NL | 388 | 374T x 386 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 01 | 02 | 03 | 03 | 11-12 field selectable |
| Cylinder type | — | — | Rim | Rim | 1 ¹ / ₄ " Mortise |
| Handing | — | — | Handed | — | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" | x 392-6 |

| | TL-BE | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks (behind C/Case) | Thumbturn always operable (no cylinder) (behind C/Case) |
| Product description | 3327A-TL-BE-F 3527A-TL-BE-F | 3327A-L-F 3527A-L-F | 3327A-L-BE-F 3527A-L-BE-F | 3327A-T-F 3527A-T-F | 3327A-T-BE-F 3527A-T-BE-F |
| Trim description | 374T-BE x 386 | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — | — | — |
| Projection | 2 ⁷ / ₁₆ " (62mm) | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | — | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | — | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | — | Handed/Reversible | Handed/Reversible | — | — |
| Optional Trim | x 392-6 | — | E360L-BE | — | E360T-BE |

Note: 360L & 360T used on Wood Door require the 33A-WDA cover plate 374T used on Wood Door require #10-WDA cover plate

Notes

3347A/3547A Concealed vertical rod device



3347A and 3547A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3547A has a smooth mechanism case and the 3347A has grooved case. The concealed vertical rod device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3347A/3547A fits door stiles as narrow as 2-1/8" (44 mm), wood door stiles as narrow as 4" (102mm). 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 | 2' 2" (610 mm) Door size - shipped less UL label 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 ¹³ / ₁₆ " (1006mm) |
| Center case dimensions | 8 ¹³ / ₁₆ " x 2 ¹³ / ₃₂ " x 1 ⁹ / ₁₆ " (208mm x 62mm x 40mm) |
| 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 anti-friction top & bottom bolt ⁵ / ₈ " (16mm) throw |
| Door undercut | 1/4" (7mm) |
| Top & bottom latch | 3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (89mm x 38mm x 25mm) |
| Vertical rods | Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm) Extension rod kits available for doors over 8'4" (2533mm) |
| 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 | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Miscellaneous options | GBK Glass bead kit PL Pullman latch PN Pneumatic HH Hurricane INS-2/INS-4 Insulclad kits 1/2" / 1/4" panels LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes |

QEL
Quiet electric latch retraction

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

RX
Pushpad monitor switch

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

E (E360L)
Electric lever trim

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

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

CON
Allegion Connectors

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

DI

Dogging Indicator

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

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 1¹/₄" mortise cylinder

3347A/3547A Concealed vertical rod device

Standard trim

| | EO | DT | NL | NL-OP | TL |
|----------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required | Thumbturn key locks & unlocks |
| Product description | 3347A-EO 3547A-EO | 3347A-DT 3547A-DT | 3347A-NL 3547A-NL | 3347A-NL-OP 3547A-NL-OP | 3347A-TL 3547A-TL |
| Trim description | — | 386DT | 386NL | 388 | 374T x 386 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 01 | 02 | 03 | 03 | 11-12 field selectable |
| Cylinder type | — | — | Rim | Rim | 1 ¹ / ₄ " Mortise |
| Handing | — | — | Handed | — | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" | x 392-6 |

| | TL-BE | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks | Thumbturn always operable (no cylinder) (behind C/Case) |
| Product description | 3327A-TL-BE 3527A-TL-BE | 3327A-L 3527A-L | 3327A-L-BE 3527A-L-BE | 3327A-T 3527A-T | 3327A-T-BE 3527A-T-BE |
| Trim description | 374T-BE x 386 | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — | — | — |
| Projection | 2 ⁷ / ₁₆ " (62mm) | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | — | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | — | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | — | Handed/Reversible | Handed/Reversible | — | — |
| Optional trim | x 392-6 | — | E360L-BE | — | E360T-BE |

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3347A-F/3547A-F Concealed vertical rod fire exit device



3347A-F and 3547A-F for all types of double doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. See page 37 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 3547A-F has a smooth mechanism case and the 3347A-F has grooved case. The concealed vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3347A-F/3527A-F fits door stiles as narrow as 3 1/2" (90mm). 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 | 2' 2" (610 mm) Door size - shipped less UL label 3' 2"4" to 3' (660mm to 914 mm) door size 4' 2"8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 13/16" (1006mm) |
| Center case dimensions | 8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm) |
| 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 anti-friction top & bottom bolt 5/8" (16mm) throw |
| Door undercut | 1/4" (7mm) |
| Top & bottom latch | 4 1/2" x 2 7/8" x 1 1/2" (114mm x 54mm x 38mm) |
| Vertical rods | Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) Extension rod kits available for doors over 8'4" (2533mm) |
| 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 | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Miscellaneous options | GBK Glass bead kit PN Pneumatic HH Hurricane LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts |
| Strikes | Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes |

QEL
Quiet electric latch retraction

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

RX
Pushpad monitor switch

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

E (E360L)
Electric lever trim

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

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






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

Standard trim

| | EO | DT | NL | NL-OP | TL |
|----------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged (not recommended for fire device) | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required | Thumbturn key locks & unlocks |
| Product description | 3347A-EO-F 3547A-EO-F | 3347A-DT-F 3547A-DT-F | 3347A-NL-F 3547A-NL-F | 3347A-NL-OP-F 3547A-NL-OP-F | 3347A-TL-F 3547A-TL-F |
| Trim description | — | 386DT | 386NL | 388 | 374T x 386 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 01 | 02 | 03 | 03 | 11-12 Field selectable |
| Cylinder type | — | — | Rim | Rim | 1 ¹ / ₄ " Mortise |
| Handing | — | — | Handed | — | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" | x 392-6 |

| | TL-BE | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks (behind C/case) | Thumbturn always operable (no cylinder) (behind C/case) |
| Product description | 3347A-TL-BE-F 3557A-TL-BE-F | 3347A-L-F 3557A-L-F | 3347A-L-BE-F 3557A-L-BE-F | 3347A-T-F 3557A-T-F | 3347A-T-BE-F 3557A-T-BE-F |
| Trim description | 374T-BE x 386 | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — | — | — |
| Projection | 2 ⁷ / ₁₆ " (62mm) | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | — | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | — | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | — | Handed/Reversible | Handed/Reversible | — | — |
| Optional trim | x 392-6 | — | E360L-BE | — | E360T-BE |

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3348A/3548A Concealed vertical rod device



3348A and 3548A for Hollow metal single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3548A has a smooth mechanism case and the 3348A has grooved case. The concealed vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3348A/3548A fits door stiles as narrow as 2 7/8" (44 mm). 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 | 2' 2" (610 mm) Door size - shipped less UL label 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 13/16" (1006mm) Standard, adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) |
| Center case dimensions | 8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm) |
| 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 anti-friction top & bottom bolt 3/4" (19mm) throw Deadlocking anti-friction top & bottom bolt 1 1/2" (38mm) throw |
| Door undercut | 3/4" (19mm) |
| Top & bottom latch | 4 1/2" x 2 7/8" x 1 1/2" (114mm x 54mm x 38mm) |
| Vertical rods | Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) Extension rod kits available for doors over 8'4" (2533mm) |
| 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 | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Miscellaneous options | GBK Glass bead kit PN Pneumatic HH Hurricane SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes |

QEL
Quiet electric latch retraction

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

RX
Pushpad monitor switch

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

E (E360L)
Electric lever trim

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

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

CON
Allegion Connectors

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

DI
Dogging Indicator

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






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 | TL |
|----------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required | Thumbturn key locks & unlocks |
| Product description | 3348A-EO 3548A-EO | 3348A-DT 3548A-DT | 3348A-NL 3548A-NL | 3348A-NL-OP 3548A-NL-OP | 3348A-TL 3548A-TL |
| Trim description | — | 386DT | 386NL | 388 | 374T x 386 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 01 | 02 | 03 | 03 | 11-12 Field selectable |
| Cylinder type | — | — | Rim | Rim | 1 ¹ / ₄ " Mortise |
| Handing | — | — | Handed | — | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" | x 392-6 |

| | TL-BE | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks | Thumbturn always operable (no cylinder) |
| Product description | 3348A-TL-BE 3548A-TL-BE | 3348A-L 3548A-L | 3348A-L-BE 3548A-L-BE | 3348A-T 3548A-T | 3348A-T-BE 3548A-T-BE |
| Trim description | 374T-BE x 386 | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — | — | — |
| Projection | 2 ⁷ / ₁₆ " (62mm) | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | — | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | — | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | — | Handed/Reversible | Handed/Reversible | — | — |
| Optional trim | x 392-6 | — | E360L-BE | — | E360T-BE |

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3348A-F/3548A-F Concealed vertical rod fire exit device



3348A-F and 3548A-F for hollow metal double doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. **See page 37 for detailed information on UL listed fire exit hardware label and door opening size information.** Devices are ANSI A156.3 – 2001 Grade 1. The 3548A-F has a smooth mechanism case and the 3348A-F has grooved case. The concealed vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3348A-F/3548A-F fits door stiles as narrow as 3 1/2" (90mm). 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 | 2' 2" (610 mm) Door size - shipped less UL label 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 13/16" (1006mm) Standard, Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) |
| Center case dimensions | 8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm) |
| 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 anti-friction top & bottom bolt 3/4" (19mm) throw Deadlocking anti-friction top & bottom bolt 1 1/2" (38mm) throw |
| Door undercut | 3/4" (19mm) |
| Top & bottom latch | 4 1/4" x 1 1/2" x 1 1/8" (108mm x 38mm x 29mm) |
| Vertical rods | Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) Extension rod kits available for doors over 8'4" (2533mm) |
| 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 | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Miscellaneous options | GBK Glass bead kit PN Pneumatic HH Hurricane SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes |

QEL
Quiet electric latch retraction

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

RX
Pushpad monitor switch

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

E (E360L)
Electric lever trim

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

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

SG
Safety glow

- Self illuminating touchpad
- No batteries or electronics






PN
Pneumatic latch retraction






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

CON
Allegion Connectors

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

Standard trim

| | EO | DT | NL | NL-OP | TL |
|----------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged (not recommended for fire device) | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required | Thumbturn key locks & unlocks |
| Product description | 3348A-EO-F 3548A-EO0F | 3348A-DT-F 3548A-DT-F | 3348A-NL-F 3548A-NL-F | 3348A-NL-OP-F 3548A-NL-OP-F | 3348A-TL-F 3548A-TL-F |
| Trim description | — | 386DT | 386NL | 388 | 374T x 386 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 01 | 02 | 03 | 03 | 11-12 field selectable |
| Cylinder type | — | — | Rim | Rim | 1 ¹ / ₄ " Mortise |
| Handing | — | — | Handed | — | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" | x 392-6 |

| | TL-BE | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks (behind C/Case) | Thumbturn always operable (no cylinder) (behind C/Case) |
| Product description | 3348A-TL-BE-F 3548A-TL-BE-F | 3348A-L-F 3548A-L-F | 3348A-L-BE-F 3548A-L-BE-F | 3348A-T-F 3548A-T-F | 3348A-T-BE-F 3548A-T-BE-F |
| Trim description | 374T-BE x 386 | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — | — | — |
| Projection | 2 ⁷ / ₁₆ " (62mm) | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | — | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | — | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | — | Handed/Reversible | Handed/Reversible | — | — |
| Optional trim | x 392-6 | — | E360L-BE | — | E360T-BE |

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3349A/3549A Concealed vertical cable device



3349A and 3549A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3549A has a smooth mechanism case and the 3349A has grooved case. The concealed vertical cable device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3349A/3549A fits door stiles as narrow as 2 1/8" (44 mm). Newly designed device has a one piece center case cover.

Finishes – US3, US3A, US4, US4A, US10, US15 (3549 Only), US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 and 643E.



Specifications

| | |
|---------------------------------------|--|
| Device lengths | 2' 2" (610 mm) Door size - shipped less UL label 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 13/16" (1006mm) |
| Center case dimensions | 8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm) |
| 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 anti-friction top & bottom bolt 1/2" (13mm) throw |
| Door undercut | 3/4" (19mm) Maximum - 24231516 Spacer block kit needed for 3/4" (19mm) undercut |
| Top & bottom latch | 5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm) |
| Vertical cables | 7/32" (6mm) Diameter stainless steel cables |
| 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 | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option *LX Latchbolt monitoring *LX-RX Request to exit / latchbolt monitoring *RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Mechanical options | AX Accessible device |
| Miscellaneous options | GBK Glass bead kit PL Pullman latch PN Pneumatic INS-2/INS-4 Insulclad Kits 1/2" / 1/4" panels LBL Less bottom latch SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | Top – 249 Bottom – 349 |

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

E (E360L)
Electric lever trim

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

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

CON
Allegion Connectors

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

DI
Dogging Indicator

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

RX
Pushpad monitor switch

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

CD
Cylinder dogging





- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder



PN
Pneumatic latch retraction

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

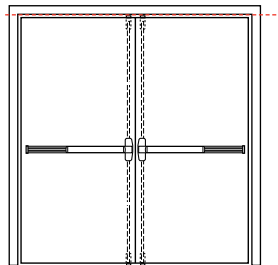
*For 33/3549A devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

| | EO | DT | NL | NL-OP |
|----------------------------|---|---|--|---|
| |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required |
| Product description | 3349A-EO 3549A-EO | 3349A-DT 3549A-DT | 3349A-NL 3549A-NL | 3349A-NL-OP 3549A-NL-OP |
| Trim description | — | 386DT | 386NL | 388 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) |
| ANSI function | 01 | 02 | 03 | 03 |
| Cylinder type | — | — | Rim | Rim |
| Handing | — | — | Handed | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" |

| | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|
| |  |  |  |  |
| | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks (behind C/case) | Thumbturn always operable (no cylinder) (behind C/case) |
| Product description | 3349A-L 3549A-L | 3349A-L-BE 3549A-L-BE | 3349A-T 3549A-T | 3349A-T-BE 3549A-T-BE |
| Trim description | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | — | — | — | — |
| Projection | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | Handed/Reversible | Handed/Reversible | — | — |
| Optional trim | — | E360L-BE | — | E360T-BE |

| Standard Door Opening Height | |
|------------------------------|--------|
| Feet | Inches |
| 6'8" | 80" |
| 7' | 84" |
| 8' | 96" |
| 9' | 108" |
| 10' | 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.

3349A-F/3549A-F Concealed vertical cable fire exit device



3349A-F and 3549A-F for all types of double doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. See page 37 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 3549A-F has a smooth mechanism case and the 3349A-F has grooved case. The concealed vertical cable device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3349A-F/3529A-F fits door stiles as narrow as 3 1/2" (90mm). Newly designed device has a one piece center case cover.

Finishes – US3, US3A, US4, US4A, US10, US15 (3549 Only), US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 and 643E.



Specifications

| | |
|---------------------------------------|--|
| Device lengths | 2' 2" (610 mm) Door size - shipped less UL label 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size |
| Device centerline from finished floor | 39 13/16" (1006mm) Standard |
| Center case dimensions | 8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm) |
| 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 anti-friction top & bottom bolt 1/2" (13mm) throw |
| Door undercut | 3/4" (19mm) Maximum - 24231516 Spacer block kit needed for 3/4" (19mm) undercut |
| Top & bottom latch | 5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm) |
| Vertical cables | 7/32" (6mm) Diameter stainless steel cables |
| 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 | ALK Alarm kit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option *LX Latchbolt monitoring *LX-RX Request to exit / latchbolt monitoring *RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect |
| Mechanical options | AX Accessible device |
| Miscellaneous options | GBK Glass bead kit PN Pneumatic LBL Less bottom latch SG Safety glow SEC Security screws SNB Sex bolts |
| Strikes | Top – 249 Bottom – 349 |

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

E (E360L)
Electric lever trim

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

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

SG
Safety glow

- Self illuminating touchpad
- No batteries or electronics

CON
Allegion Connectors

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

RX
Pushpad monitor switch





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





PN
Pneumatic latch retraction

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

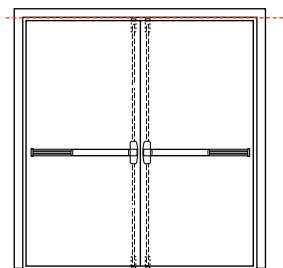
*For 33/3549A devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

| | EO | DT | NL | NL-OP |
|----------------------------|---|---|--|---|
| |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required |
| Product description | 3349A-EO-F 3549A-EO-F | 3349A-DT-F 3549A-DT-F | 3349A-NL-F 3549A-NL-F | 3349A-NL-OP-F 3549A-NL-OP-F |
| Trim description | — | 386DT | 386NL | 388 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm) |
| Grip size | — | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — |
| Projection | — | 2 ⁷ / ₁₆ " (62mm) | 2 ⁷ / ₁₆ " (62mm) | 1" (25mm) |
| ANSI function | 01 | 02 | 03 | 03 |
| Cylinder type | — | — | Rim | Rim |
| Handing | — | — | Handed | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" |

| | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|
| |  |  |  |  |
| | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks (behind C/case) | Thumbturn always operable (no cylinder) (behind C/case) |
| Product description | 3349A-L-F 3549A-L-F | 3349A-L-BE-F 3549A-L-BE-F | 3349A-T-F 3549A-T-F | 3349A-T-BE-F 3549A-T-BE-F |
| Trim description | 360L | 360L-BE | 360T | 360T-BE |
| Base size | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | — | — | — | — |
| Projection | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 08 or 09 field selectable | — | 11 or 12 field selectable | — |
| Cylinder type | 1 ¹ / ₄ " Mortise | — | 1 ¹ / ₄ " Mortise | — |
| Handing | Handed/Reversible | Handed/Reversible | — | — |
| Optional trim | — | E360L-BE | — | E360T-BE |

| Standard door opening height | |
|------------------------------|--------|
| Feet | Inches |
| 6'8" | 80" |
| 7' | 84" |
| 8' | 96" |
| 9' | 108" |
| 10' | 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.

33A/35A Optional trim



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

33A/35A Optional trim

| | | | | | |
|-------------------------|---|---|---|---|---|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Thumbturn-blank escutcheon always operable (no cylinder) | Thumbturn key locks & unlocks | Thumbturn-blank escutcheon always operable (no cylinder) | Offset pull |
| Trim description | 360T-BE x 550 DT | 360T-BE x 8190 10" | 374T/376T x 8190 10" | 374T-BE/376T-BE x 8190 10" | 392-6 |
| Base size | 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) |
| Grip size | 1⅞" center to center | 1" center to center | 8½" x 4⁵⁄₁₆" (216x110mm) | 8½" x 4⁵⁄₁₆" (216x110mm) | 6¼" center to center |
| Projection | 1⅜" (46mm) | 1⅜" (46mm) | 1⅜" (46mm) | 1⅜" (46mm) | 2¼" |
| ANSI function | — | — | 11-12 Field selectable | — | — |
| Cylinder type | — | — | 1¼" Mortise | — | — |
| Handing | — | — | — | — | — |

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

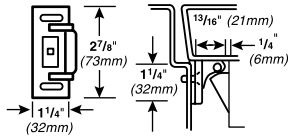
33A/35A Strike/Stile information

| 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 | 1 ³ / ₄ " (44mm) | 1408 x 5754 | 1 ³ / ₄ " (44mm) | 299 1410 1606 | 2 ³ / ₄ " (70mm) 1 ³ / ₄ " (44mm) 2 ¹ / ₂ " (64mm) | 299 x 5654 299 x 4954 1606 x 1654 | 2 ⁵ / ₈ " (67mm) 3 ⁵ / ₁₆ " (84mm) 2 ³ / ₄ " (70mm) |
| 3327A 3527A | 266 (Top) 304L (Bottom) 248-L (Bottom) | 1 ³ / ₄ " (44mm) | 266 (Top) 304L (Bottom) 248-L (Bottom) | 1 ³ / ₄ " (44mm) | 299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom) | 3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm) | 299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom) | 3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm) |
| 3327A-F 3527A-F | — | — | 299F (Top) 304L (Bottom) | 2 ³ / ₁₆ " (56mm) | — | — | — | — |
| 3327A-LBR-F | — | — | 499F (Top) (Req. auxiliary fire latch) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |
| 3347A 3547A 3348A 3548A | 338 (Top) 385 (Bottom) | 2 ¹ / ₂ " (64mm) | 338 (Top) 385 (Bottom) | 1 ³ / ₄ " (44mm) | 304L (Bottom) | 2 ¹ / ₂ " (64mm) | 304L (Bottom) | 2 ¹ / ₂ " (64mm) |
| 3347A-F 3547A-F 3348A-F 3548A-F | — | — | 338 (Top) 385A (Bottom) | 3 ¹ / ₂ " (89mm) | — | — | 304L (Bottom) | 3 ¹ / ₂ " (89mm) |
| 3347A-LBR 3547A-LBR 3348A-LBR 3548A-LBR | 338 (Top) | 2 ¹ / ₂ " (64mm) | 338 (Top) | 2 ¹ / ₂ " (64mm) | — | — | — | — |
| 3347A-LBR-F 3547A-LBR-F | — | — | 338 (Top) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |
| 3349A 3549A | 249 (Top) 349 (Bottom) | 2 ¹ / ₂ " (64mm) | 249 (Top) 349 (Bottom) | 1 ³ / ₄ " (44mm) | — | — | — | — |
| 3349A-F 3549A-F | — | — | 249 (Top) 349 (Bottom) | 3 ¹ / ₂ " (89mm) | — | — | — | — |
| 3349A-LBL 3549A-LBL | 249 (Top) | 2 ¹ / ₂ " (64mm) | 249 (Top) | 2 ¹ / ₂ " (64mm) | — | — | — | — |
| 3349A-LBL-F 3549A-LBL-F | — | — | 249 (Top) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |

33A/35A Strike/Stile information

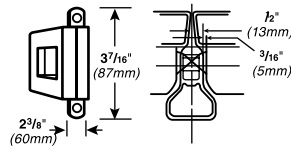
Strikes for rim devices

299



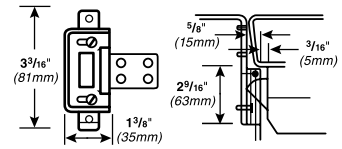
Projection 13/16" (21mm)

1408



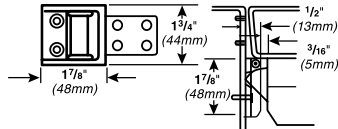
One per pair of doors - use with 5754 Mullion only

1410 - Integral stop



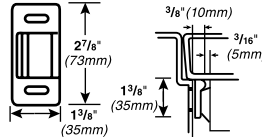
Projection 1/2" (13mm)

1439



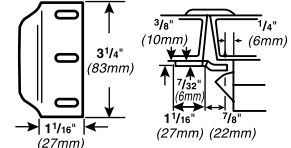
Projection 1/2" (13mm)

1606



Projection 3/8" (10mm)

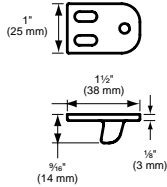
1609



For rim/vertical rod combination -not fire rated

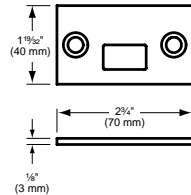
Strikes for vertical cable devices

249 - Top strike



Projection 9/16" (14mm)

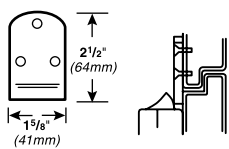
349 - Bottom strike



Projection 1/8" (3mm)

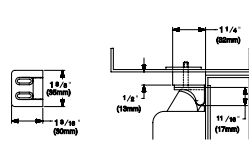
Strikes for vertical rod devices

260U-Flush transom only



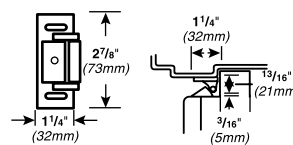
Projection 3/8" (10mm)

266



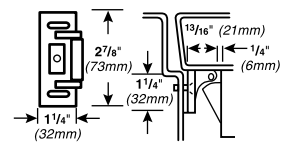
Projection 1 1/4" (32mm)

299



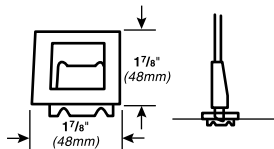
Projection 13/16" (21mm)

299F



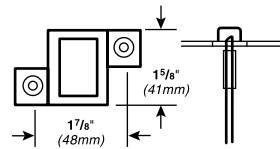
Projection 13/16" (21mm)

304L



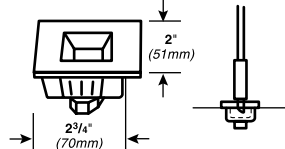
Mortise 13/16" (21mm)

338



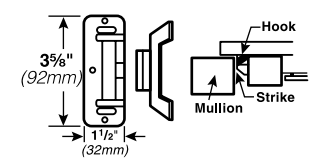
Mortise 5/8" (16mm)

385A



Mortise 2 1/2" (64mm)

499F



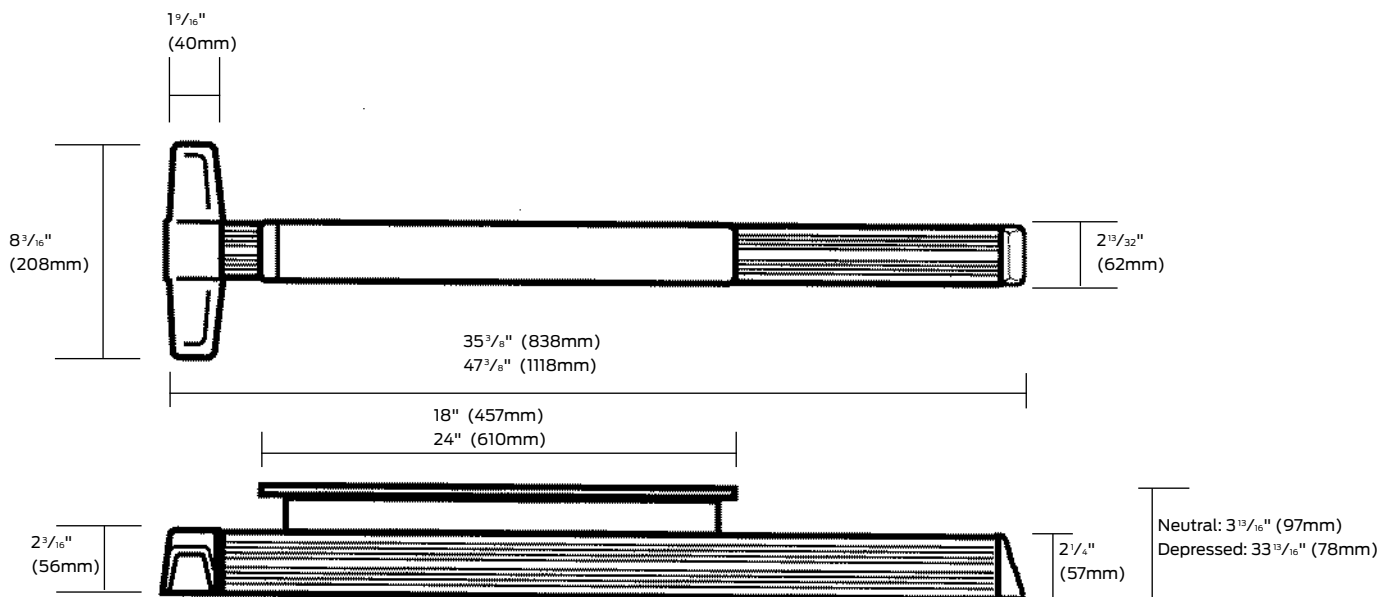
Projection 13/16" (21mm)

Grade, type and function options

ANSI function, grade & type

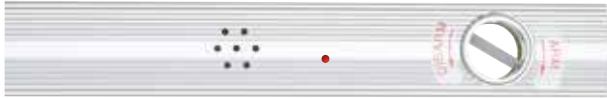
| Function | Grade 1, type 4 | Grade 1, type 5 | Grade 1, type 6, 7 & 8 | |
|----------|--|--|---|---|
| 01 | 33AEO 35AEO | 3327A-EO 3327A-EO-F 3527A-EO 3527A-EO-F | 3347A-EO 3347A-EO-F 3348A-EO 3348A-EO-F 3349A-EO 3349A-EO-F | 3547A-EO 3547A-EO-F 3548A-EO 3548A-EO-F 3549A-EO 3549A-EO-F |
| 02 | 33A-DT 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



The ALK battery 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 decibel.

The key switch uses a standard 1³/₄" (32mm) mortise cylinder with a straight cam (Schlage Cam reference B502-191). 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.

Also can be powered using the PS902 power supply. See PS902 for additional information. 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. Specify ALK-LX.

The ALK is available in two styles, 33A/99ALK, grooved cover and 35A/98ALK, smooth cover.

The ALK includes "EMERGENCY EXIT ONLY. ALARM WILL SOUND" decal for application on door, or the RSS push bar trim can be used instead of the door decal, specify RSS push bar trim.

The External Inhibit comes standard on Von Duprin exit devices. External Inhibit (EI) allows for the use of external switch to be used to arm, disarm and reset the alarm. Auto Reset (AR) is an available option that rearms the alarm after a preset time. AR is available in three factory set times – 1¹/₂, 3 or 4¹/₂ minutes.

To order, specify:
1. Auto Reset – ALK-AR3

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 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.

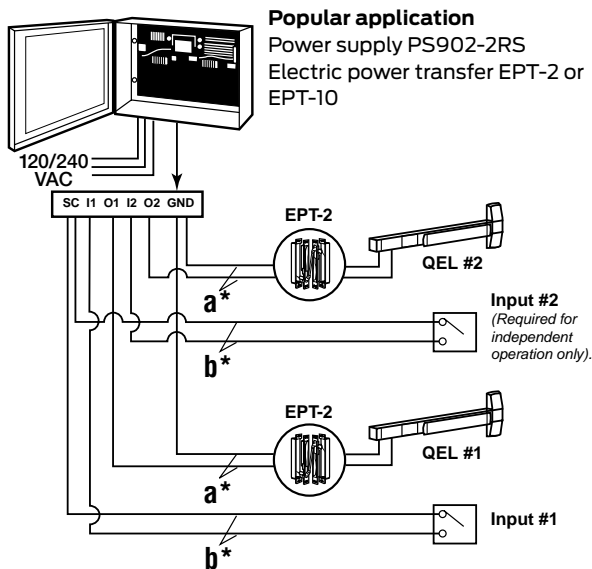
The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

| QEL Electrical load | |
|---------------------|--|
| Voltage | 24VDC |
| Current | 1.4 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.

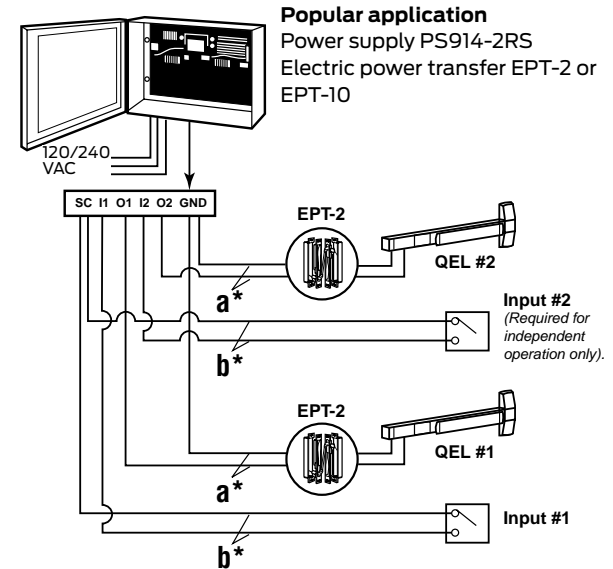
Solenoid specifications:

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) ¹ | 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 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:

up to 5" butt hinges – 180° swing,
5½" butt hinges – 130° swing,
6" butt hinges – 110° swing,
¾" butt offset pivots 180° swing.
Not for use with swing clear hinges or center-hung pivots.

Finishes

SP28 (sprayed aluminum)
SP313 (sprayed duranodic).

Dimensions

| Housing | 9" x 1¼" x 1⅝" (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 | ⅝/₃₂" 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.

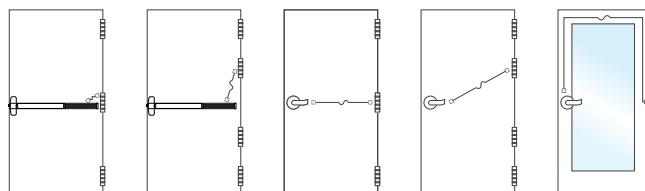
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service 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 accessories

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 (CBC) 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.)

When activated pneumatically, the latch bolt(s) of the exit device retract in 1/2 to 1 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:

1. Standard – Use prefix PN, example PN33ANL
2. Hex Key Dogging – Use prefix HD-PN, example HD-PN33ANL

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 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:

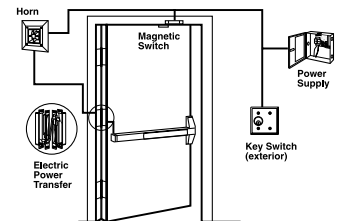
1. Prefix SS, example SS33AL
2. Handing Required, LHR or RHR

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 9927L-SG

33A/35A Mechanical accessories

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 1¹/₄" (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.

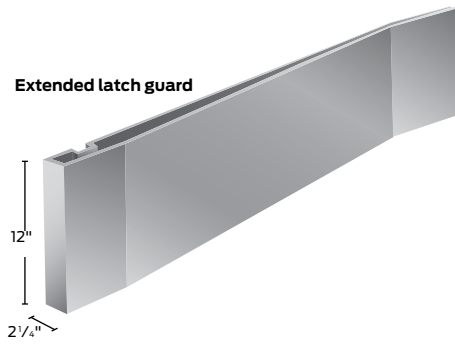
All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.

Latch Guard



10"
4 3/8"

Extended latch guard



12"
2 1/4"

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 Additional information

UL Listed — Fire exit hardware label/Opening size

| Double door | | |
|-------------|-------------------|-------------------|
| Exit device | Same direction | Double egress |
| 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' |
| 3347A-F* | 90 Min. 8' x 9'3" | 90 Min. 8' x 9'3" |
| 3547A-F* | 90 Min. 8' x 9'3" | 90 Min. 8' x 9'3" |
| 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' |

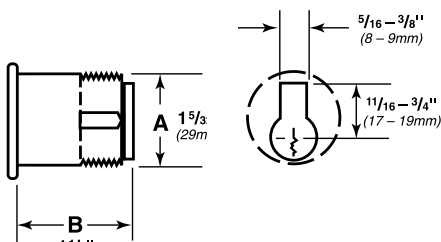
* 3347A-F and 3547A-F used on wood door.

Cylinders

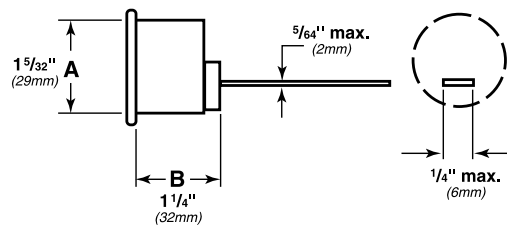
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.



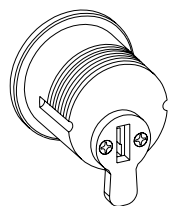
Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)

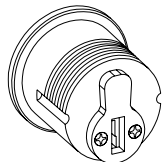


Dogged (inverted) cam



For cylinder dogging
or 360L

Undogged cam (standard operations)



For standard trim functions
or 360L-NL



33A/35A Finishes

Finishes*

| | Color | US number | BHMA number |
|--|--------------------|-----------|-------------|
|  | Chromium, polished | US26 | 625 |
|  | Anodized, aluminum | US28 | 628 |
|  | Chromium, dull | US26D | 626 |
|  | Brass, polished | US3 | 605 |
|  | Brass, dull | US4 | 606 |

| | Color | US number | BHMA number |
|---|--|-----------|-------------|
|  | Bronze, dull | US10 | 612 |
|  | Satin nickel Available for 35A ONLY | US15 | 619 |
|  | Duranodic dark bronze | 313 | 710 |
|  | Black | 315 | 711 |

Special finishes

| | Color | US number | BHMA number |
|---|-----------------------------|-----------|-------------|
|  | Satin chrome, Antimicrobial | US26D-AM | 626-AM |
|  | Aged bronze 643e | — | — |

Pushpad Options — Knurled
 Embossed "Push"
 Braille (Caution-Stairwell), satin stainless steel only
 RSS – (Emergency Exit – Push to open and sound alarm) – Red Silkscreen lettering on US32D

* **NOTE:** Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 7,800 people and sells products in more than 120 countries across the world. Allegion comprises 23 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

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