

# VON DUPRIN. 22 Series **Exit device** DISTRIBUTED BY ACCESS HARDWARE SUPPLY accesshardware.com Δ

# Introduction

### Built to protect

Von Duprin® products symbolize a commitment to safety and security. It's evident in the meticulous engineering behind every exit device. After all, keeping our customers—and the people they strive to protect—safe is our priority. It's why Von Duprin goes the extra mile to provide durable and dependable products for every application.

The 22 Series is a cost-effective solution for medium to low traffic areas where proven reliability is needed. The non-handed design of the 22 Series makes it more adaptable in the field. And unique features set the series apart, including the Breakaway<sup>™</sup> lever for protection against vandalism and the AX option that is UL certified to meet ADA and California Building Code requirements for 5 lb. operating force.

### Passion driving performance

With superior products comes exceptional customer care. Von Duprin customers are supported by industry-leading expertise. Allegion's representatives average more than 15 years of experience, so you're assured to receive knowledgeable advice on fire and life safety codes, installation resources and more. And for those looking to take their skills to the next level, Allegion offers instructor-led workshops, videos and online courses. It's another way Von Duprin stands by our customers—today, tomorrow and for years to come.

**VON DUPRIN** Administrative offices 2720 Tobey Dr. Indianapolis, IN 46219 **Customer service** 877-671-7011 800-999-0328 - Fax Technical support 877-671-7011

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### 👋 Fire hardware

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# Options and accessories

| Applications & trim operation        | Double door applications<br>Door handing<br>Outside trim operation<br>Lever styles | Electrical accessories | ALK – Alarm kit<br>LX – Latch bolt monitoring<br>RX – Request to exit<br>RX2 – Double request to exit<br>CON – Allegion Connect  |
|--------------------------------------|--|------------------------|--|
| Trim<br>selection                    | Optional trim<br>Lever designs<br>Operation options                                | Mechanical options     | LBR – Less bottom rod<br>LD – Less dogging<br>PL – Pullman latch<br>AX – Accessible device   |
| Strike options/<br>Stile information | Strikes<br>Stiles  | Device<br>accessories  | Cover plate kit<br>Cylinders<br>EPT – Electrical power transfer<br>GBK – Glass bead kit<br>PS902 – Alarm kit power supply<br>Rod and latch guards                                    |
|                                      |  | Additional information | ANSI Function, grade & type<br>Device, latch and rod dimensions<br>UL fire labeling and opening size<br>How-to-order information<br>Popular double door applications<br>Nomenclature |
|                                      |  | Finishes               | Standard finishes  |

### Symbols

Indicates fire rated application

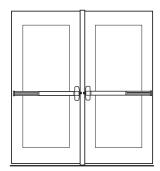
& Indicates ADA products

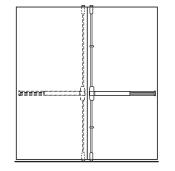
# Nomenclature – how to order

| LD Less doggin   |  | <u>22</u> <u>27</u> <u>L</u> | <b>F</b> | SP28 | 06   | ALK | 3' |
|--|--|------------------------------|----------|------|------|-----|----|
| LXLatchbolt monitor switchLXLCLatchbolt monitor switch, low currentRXRequest to exitRXLCRequest to exit, low currentRX2Double request to exitAXAccessible device |  |                              |          |      |      |     |    |
| 22   | 22 Series  |                              |          |      |      |     |    |
|  | Rim device<br>Surface mounted vertical rod device  |                              |          |      |      |     |    |
| EO<br>K-BE<br>L-BE<br>NL<br>NL-OP<br>TP  | Dummy trim<br>Exit only<br>Knob (Classroom)<br>Knob - blank escutcheon<br>Lever (Classroom) (L-NL not available)<br>Lever - blank escutcheon (Passage)<br>Night latch (Key retracts latchbolt)<br>Night latch cylinder assembly, optional pull<br>Thumbpiece<br>Thumbpiece - blank escutcheon<br>(Passage) |                              |          |      |      |     |    |
| None<br>F  | Panic exit device<br>Fire exit device  |                              |          |      |      |     |    |
| Finishes   | SP28, SP313  | ·                            |          |      |      |     |    |
|  | Left hand reverse<br>Right hand reverse  | ]                            |          |      |      |     |    |
| XX   | 06 (Standard)<br>03<br>17  |                              |          |      |      |     |    |
| SNB<br>ALK<br>GBK<br>CYL   | Optional trim<br>Optional strike   |                              |          |      | <br> |     |    |
| Door width   | 3' (Standard), advise if different<br>Only available up to 48"   |                              |          |      |      |     |    |
| Door height  |  |                              |          |      |      |     |    |
| Door thickness   | 1¾" (Standard), up to 2 1/4"   |                              |          |      |      |     |    |
| Door/frame material<br>HM<br>WD<br>AL  | Hollow metal (standard)<br>Wood (standard)   |                              |          |      |      |     |    |
| Device ctr. Line   | See specifications, advise if different than standard  |                              |          |      |      |     |    |
| DE   | Single (standard for rim)<br>Pair (standard for surface vertical)<br>Double egress (surface vertical)  |                              |          |      |      |     |    |
| Door listing   | 3 Hour<br>1 <sup>1</sup> /2 Hour<br>1 Hour<br>45 Minute<br>20 Minute   |                              |          |      |      |     |    |

# Popular double door applications

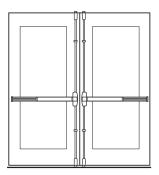
### **Double door applications**



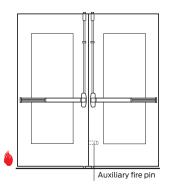


Two rim devices with mullion—same direction, panic or fire device

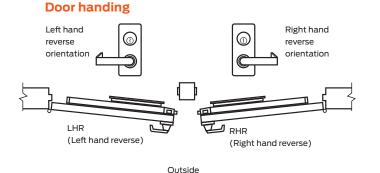
Two vertical rods—double egress, panic or fire device (LBR-F device can be used on double-egress)



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



Two FEH verticle rods with auxilary fire pin-LBR option (Don't use overlapping astragal on pair swinging same direction)



Outside trim operation

### Standard trim

### Features

- Bi directional lever rotation
- Field reversible handing

### Lever trim operation



**Standard operation** Key locks and unlocks lever.



Blank escutcheon Lever always active. BE suffix, e.g., 230L-BE.

# Lever styles

### Standard levers





1



06 Default lever

Von Duprin 22 Series · 7

# 22 Rim exit device



22 Rim exit device for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3, 2008 Grade 1. Covers stock hollow metal doors with 161\* cutouts. Fits door stiles as narrow as  $3^{13}/_{16}$ " (97 mm). The device is non-handed.

Finishes - SP28 & SP313.

Specifications

\*Not applicable with all strike and mullion combinations, consult factory.



The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 22 Rim exit device



### AX Accessible device

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

### RX

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

### RX2

Double pushpad monitor switch • Uses two RX switches

### ALK

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

### LX

- Latchbolt monitor switch
- Signals use of
- opening
- SPDT Switch to
- monitor latchbolt

# CON

Allegion Connectors

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

| Specifications                           |   |
|--|---|
| Device functions                         | Ships ready for all functions, EO, DT, NL, TP, K, L   |
| Device lengths                           | 3' (914 mm) see minimum door opening chart at bottom of page<br>4' (1219 mm) see minimum door opening chart at bottom of page                     |
| Device centerline<br>from finished floor | 39 <sup>™</sup> /16" (1011 mm)<br>39 <sup>™</sup> /16" (1008 mm) with mullion   |
| Center case<br>dimensions                | 4 <sup>1</sup> / <sub>4</sub> " (108 mm) x 1 <sup>3</sup> / <sub>8</sub> " (41 mm) x 2 <sup>3</sup> / <sub>8</sub> " (60 mm)                      |
| Mechanism case<br>dimensions             | 2" (51 mm) x 3³/₄" (95 mm)  |
| Projection push bar                      | Push bar neutral - 3³/₄" (95 mm)<br>push bar depressed - 3" (76 mm)   |
| Latch bolt                               | Deadlocking, <sup>3</sup> / <sub>4</sub> " (19 mm) throw  |
| Fasteners &<br>sex bolts (SNB)           | Includes 1 <sup>3</sup> / <sub>4</sub> " (44 mm) and 2 <sup>1</sup> / <sub>4</sub> " (57 mm) wood & metal doors optional SNB available for device |
| Electric options                         | LX latchbolt monitor switch<br>RX pushpad monitor switch<br>RX2 double pushpad monitor switch<br>ALK alarm exit kit<br>CON Allegion Connect       |
| Mechanical<br>options                    | GBK glass bead kit<br>AX accessible device  |
| Dogging feature                          | Hex key dogging standard  |
| Dogging options                          | LD less dogging   |
| Strikes                                  | 299 – Dull black  |

### Minimum door opening chart

| Stop<br>height                | Strike | Single<br>door | Double door<br>w/mullion | Minimum door<br>opening for<br>3' device* | Minimum door<br>opening w/ALK* |
|-------------------------------|--------|----------------|--------------------------|---|--------------------------------|
| <sup>1</sup> / <sub>2</sub> " | 299    | Yes            | —                        | 26.500" (673mm)                           | 33.250" (845mm)                |
| <sup>1</sup> / <sub>2</sub> " | 1439   | Yes            | -                        | 25.687" (652mm)                           | 32.437" (824mm)                |
| <sup>1</sup> / <sub>2</sub> " | 299    | -              | 4754/4854/4954           | 27.000" (686mm)                           | 33.750" (857mm)                |
| <sup>1</sup> / <sub>2</sub> " | 299    | -              | 5654                     | 25.812" (656mm)                           | 32.562"(827mm)                 |
| <sup>1</sup> / <sub>2</sub> " | 1408   | -              | 5754                     | 25.750" (679mm)                           | 32.500" (826mm)                |
| <sup>1</sup> / <sub>2</sub> " | 1606   | —              | 1654                     | 26.562" (675mm)                           | 33.312" (846mm)                |
| <sup>5</sup> / <sub>8</sub> " | 299    | Yes            | -                        | 26.750" (679mm)                           | 33.500"(851mm)                 |
| <sup>5</sup> / <sub>8</sub> " | 1439   | Yes            | —                        | 25.937" (659mm)                           | 32.687" (830mm)                |
| <sup>5</sup> / <sub>8</sub> " | 299    | -              | 4754/4854/4954           | 27.125" (689mm)                           | 33.875" (860mm)                |
| <sup>5</sup> / <sub>8</sub> " | 299    | -              | 5654                     | 26.687" (678mm)                           | 33.437" (849mm)                |
| <sup>5</sup> / <sub>8</sub> " | 1408   | —              | 5754                     | 25.875" (657mm)                           | 32.625" (829mm)                |
| <sup>5</sup> / <sub>8</sub> " | 1606   | -              | 1654                     | 26.687" (678mm)                           | 33.437" (849mm)                |

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

### Standard trim

|  | EO                                   | DT  | NL  | NL-OP  |
|--|--------------------------------------|---|---|--|
|  |                                      |   |   |  |
|  | <b>No outside trim</b><br>Exit only  | <b>Dummy trim</b><br>Pull when dogged         | Night latch<br>Key retracts latchbolt         | <b>Night latch</b><br>Key retracts latchbolt<br>optional pull required |
| Product description                              | 22EO                                 | 22DT  | 22NL  | 22NL-OP  |
| Trim description                                 | -                                    | 210DT*  | 210NL*  | 110NL-MD*<br>110NL-WD*   |
| Escutcheon plate<br>size                         | -                                    | 5³/8" x 4²5/32" x ³/32"<br>(137 x 121 x 2 mm) | 5³/₅" x 4²5/₃₂" x ³/₃₂"<br>(137 x 121 x 2 mm) | -  |
| Pull center to center                            | -                                    | _   | _   | _  |
| Projection                                       | -                                    | 1 <sup>31</sup> / <sub>32</sub> " (42 mm)     | 1 <sup>31</sup> / <sub>32</sub> " (42 mm)     | _  |
| ANSI function                                    | 01                                   | 02  | 03  | 03   |
| Cylinder type                                    | —                                    | _   | Rim   | Rim  |
| Handing  | —                                    | _   | —   | _  |
| Optional trim                                    | 230EO                                | 230DT   | 230NL   | _  |
| Optional #425 sex<br>bolt quantity for<br>device | 6 (with no trim)<br>2 (with EO trim) | 2   | 2   | 6  |

\*ANSI/BHMA A156.3 (2001) Grade 1 trim

|  | ТР  | К  | L  |
|--|---|--|--|
|  |   |  |  |
|  | <b>Thumbpiece</b><br>Key Locks & Unlocks  | <b>Knob</b><br>Key Locks & Unlocks                     | Lever<br>Key Locks & Unlocks             |
| Product description                              | 22TP                                      | 22K  | 22L                                      |
| Trim description                                 | 230TP*                                    | 210K   | 230L*                                    |
| Escutcheon plate<br>size                         | 3" x 12¹⁄₁₀" x ³⁄₃₂"<br>(76 x 306 x 2 mm) | 3" x 4 <sup>25</sup> /₃₂" x ³/₃₂"<br>(76 x 121 x 2 mm) | 3" x 6³⁄₅" x ⁵⁄₁₅"<br>(76 x 162 x 24 mm) |
| Pull center to center                            | 5 <sup>1</sup> / <sub>2</sub> " (140 mm)  | -  | -  |
| Projection                                       | 2" (51 mm)                                | 2 <sup>15</sup> / <sub>16</sub> " (75 mm)              | 2⁵⁄₀" (67 mm)                            |
| ANSI function                                    | 05  | 08   | 08                                       |
| Cylinder type                                    | 1 <sup>1</sup> / <sub>4</sub> " Mortise   | Furnished  | 1 <sup>1</sup> / <sub>4</sub> " Mortise  |
| Handing  | _   | _  | -  |
| Optional trim                                    | 230ТР-ВЕ                                  | 210K-BE  | 230L-BE                                  |
| Optional #425 sex<br>bolt quantity for<br>device | 2   | 2  | 2  |

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

# 22-F Rim fire exit device



**22-F Rim fire exit devices** for all types of single doors up to 4' x 8' (1219 mm x 2438 mm) or 8' x 8' (2438 mm x 2438 mm) double doors with 9954 or 9854 mullion, UL listed for Fire Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as  $4^{3}/_{e}$ " (111 mm). The device is non-handed.

Finishes - SP28 & SP313.



The 299F Strike ships standard, optional strikes available



**499F Strike** with 9854/9954 Mullion

| ice                  |  |
|----------------------|--|
| t dev                |  |
| Rim fire exit device |  |
| lim fir              |  |
| 2-F R                |  |
| <b>2</b>             |  |

| Specifications      |  |
|---------------------|--|
| Device functions    | Ships ready for all functions, EO, DT, NL, TP, K, L  |
| Device lengths      | 3' (914 mm) see minimum door opening chart at bottom of page   |
|                     | 4' (1219 mm) see minimum door opening chart at bottom of page  |
| Device centerline   | 39 <sup>™</sup> /16" (1011 mm)   |
| from finished floor | 39"/16" (1008 mm) with mullion   |
| Center case         | 4 <sup>1</sup> / <sub>4</sub> " (108 mm) x 1 <sup>3</sup> / <sub>8</sub> " (41 mm) x 2 <sup>3</sup> / <sub>8</sub> " (60 mm) |
| dimensions          |  |
| Mechanism case      | 2" (51 mm) x 3¾" (95 mm)   |
| dimensions          |  |
| Projection push bar | Push bar neutral - 3³/4" (95 mm)   |
|                     | Push bar depressed - 3" (76 mm)  |
| Latch bolt          | Deadlocking, 3/4" (19mm) throw   |
| Fasteners &         | Includes $1^{3}/_{4}$ " (44 mm) and $2^{1}/_{4}$ " (57 mm) wood & metal doors  |
| Sex bolts (SNB)     | Optional SNB available for device (see next page for quantities)   |
| Electric options    | LX latchbolt monitor switch  |
|                     | RX pushpad monitor switch  |
|                     | RX2 double pushpad monitor switch  |
|                     | ALK alarm exit kit   |
|                     | CON Allegion Connect   |
| Mechanical options  | GBK glass bead kit   |
|                     | AX accessible device   |
| Dogging feature     | No mechanical dogging  |
| Strikes             | 299F, 499F for mullions – Dull black   |

### Minimum door opening chart

| Strike    | Single<br>door                      | Double door<br>w/mullion  | Minimum door<br>opening for<br>3' device*  | Minimum door<br>opening w/ALK*   |
|-----------|-------------------------------------|---|--|--|
| 299F/499F | Yes                                 | —   | 26.500" (673 mm)   | 33.250" (845 mm)   |
| 299F/499F | —                                   | KR/9854/9954  | 27.000" (686 mm)   | 33.750" (857 mm)   |
| 299F/499F | Yes                                 | -   | 26.750" (679 mm)   | 33.500" (851mm)  |
| 299F/499F | —                                   | KR/9854/9954  | 27.125" (689 mm)   | 33.875" (860 mm)   |
|           | 299F/499F<br>299F/499F<br>299F/499F | Strike         door           299F/499F         Yes           299F/499F         -           299F/499F         Yes | Strike         door         w/mullion           299F/499F         Yes         -           299F/499F         -         KR/9854/9954           299F/499F         Yes         - | Strike         Single<br>door         Double door<br>w/mullion         opening for<br>3' device*           299F/499F         Yes         —         26.500" (673 mm)           299F/499F         —         KR/9854/9954         27.000" (686 mm)           299F/499F         Yes         —         26.750" (679 mm) |

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

### AX Accessible device • UL certified to

meet new 5 lb. maximum operating force requirement Exceeds ANSI/ BHMA requirements

### RX

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

### RX2

Double pushpad monitor switch

Uses two RX switches

### ALK

Alarm exit kit • Unauthorized opening triggers 85-decibel horn • Set in armed or

disarmed mode by key

### CON

Allegion Connectors • Common

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

### LX

Latchbolt monitor switch

Signals use of

opening

SPDT Switch to

monitor latchbolt

| Standard trim                                  |                                      |  |   |  |
|--|--------------------------------------|--|---|--|
|  | EO                                   | NL   | NL-OP   |  |
|  | <b>No outside trim</b><br>Exit only  | Night latch<br>Key retracts latchbolt  | Night latch<br>Key retracts latchbolt<br>optional pull required |  |
| Product description                            | 22EO-F                               | 22NL-F   | 22NL-OP-F   |  |
| Trim description                               | -                                    | 210NL**  | 110NL-MD**<br>110NL-WD**  |  |
| Escutcheon plate size                          | -                                    | 5 <sup>3</sup> / <sub>8</sub> " x 4 <sup>25</sup> / <sub>32</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(137 x 121 x 2 mm) | -   |  |
| Pull center to center                          | -                                    | -  | -   |  |
| Projection                                     | —                                    | 1 <sup>31</sup> / <sub>32</sub> " (42 mm)  | -   |  |
| ANSI function                                  | 01                                   | 03   | 03  |  |
| Cylinder type                                  | —                                    | Rim  | Rim   |  |
| Handing  | -                                    | -  | -   |  |
| Optional trim                                  | 230EO                                | 230NL  | -   |  |
| *Optional #425 sex bolt<br>quantity for device | 6 (with no trim)<br>2 (with EO trim) | 2  | 6   |  |
| *Additional 425 SNB<br>for 499F strike         | 2                                    | 2  | 2   |  |

\*Sex Bolts are required for wood fire doors \*\*ANSI/BHMA A156.3 (2008) Grade 1 trim

|  | ТР  | к  | L   |
|--|---|--|---|
|  |   |  |   |
|  | <b>Thumbpiece</b><br>Key Locks & Unlocks  | <b>Knob</b><br>Key Locks & Unlocks   | Lever<br>Key Locks & Unlocks              |
| Product description                            | 22TP-F                                    | 22K-F  | 22L-F                                     |
| Trim description                               | 230TP**                                   | 210K   | 230L**                                    |
| Escutcheon plate size                          | 3" x 12¹/₁₅" x ³/₃₂"<br>(76 x 306 x 2 mm) | 3" x 4 <sup>25</sup> / <sub>32</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 121 x 2 mm) | 3" x 6³⁄₅" x ¹⁵∕₁₅"<br>(76 x 162 x 24 mm) |
| Pull center to center                          | 5 <sup>1</sup> / <sub>2</sub> " (140 mm)  | -  | -   |
| Projection                                     | 2" (51 mm)                                | 2 <sup>15</sup> / <sub>16</sub> " (75 mm)  | 2⁵⁄₅" (67 mm)                             |
| ANSI function                                  | 05  | 08   | 08  |
| Cylinder type                                  | 11/4" Mortise                             | Furnished  | 1 <sup>1</sup> / <sub>4</sub> " Mortise   |
| Handing  | _   | -  | -   |
| Optional trim                                  | 230ТР-ВЕ                                  | 210K-BE  | 230L-BE                                   |
| *Optional #425 sex bolt<br>quantity for device | 2   | 2  | 2   |
| *Additional 425 SNB<br>for 499F strike         | 2   | 2  | 2   |

\*Sex Bolts are required for wood fire doors \*\*ANSI/BHMA A156.3 (2008) Grade 1 trim

# 2227 Surface mounted vertical rod device



**2227 Surface mounted vertical rod exit device** for all types of single and double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. Fits door stiles as narrow as  $3^{5}/_{8}$ " (92 mm). The device is non-handed.

Finishes - SP28 & SP313.



LX

Latchbolt monitor switch

Signals use of

opening

SPDT Switch to

monitor latchbolt

### RX

Pushpad monitor switch

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

### RX2

Double pushpad monitor switch • Uses two RX switches

### ALK

Alarm exit kit • Unauthorized opening triggers 85-decibel horn • Set in armed or disarmed mode by key

### CON

Allegion Connectors • Common connectors to connect various door hardware all the way to the power supply

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2227 Surface mounted vertical rod device
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# Specifications

| -<br>Device functions | Ships ready for all functions, EO, DT, NL, TP, K, L   |
|-----------------------|---|
| Device lengths        | 3' (914 mm) see minimum door opening chart at bottom of page  |
| 201100 101.8110       | 4' (1219 mm) see minimum door opening chart at bottom of page   |
| Door height           | 7' (2134 mm) standard door height   |
|                       | extension rods available for door heights up to 10' (3048mm)  |
|                       | 12" (205 mm), door height   |
|                       | 36" (914 mm), door height   |
| Device centerline     | 39 <sup>™</sup> /16" (1011 mm)  |
| from finished floor   |   |
| Center case           | 4¼" (108 mm) x 1¾" (41 mm) x 2¾" (60 mm)  |
| dimensions            |   |
| Mechanism case        | 2" (51 mm) x 3³/₄" (95 mm)  |
| dimensions            |   |
| Projection push bar   | Push bar neutral - 3³/₄" (95 mm)  |
|                       | Push bar depressed - 3" (76 mm)   |
| Door undercut         | 1/4" (7 mm) from finished floor recommended ,   |
|                       | <sup>3</sup> / <sub>4</sub> " (19mm) maximum or <sup>1</sup> / <sub>8</sub> " (3mm) from threshold                            |
| Latch bolt            | Deadlocking anti-friction top and bottom bolt, 5/8" (16 mm) throw   |
| Fasteners &           | Includes 1 <sup>3</sup> / <sub>4</sub> " (44 mm) and 2 <sup>1</sup> / <sub>4</sub> " (57 mm) wood & metal doors. Optional SNB |
| sex bolts (SNB)       | available for device.   |
| Electric options      | LX latchbolt monitor switch   |
|                       | RX pushpad monitor switch   |
|                       | RX2 double pushpad monitor switch   |
|                       | ALK alarm exit kit  |
|                       | CON Allegion Connect  |
| Mechanical            | PL pullman latch  |
| options               | GBK glass bead kit<br>RG rod guards   |
|                       | LG latch guards   |
| Dogging feature       | Hex key dogging standard  |
| Dogging reatore       | LD less dogging   |
|                       |   |
| Strikes               | 299 – Dull black<br>Bottom 248L-4 and 304L – unfinished   |
| Minimum door ope      |   |
|                       |   |

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

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

### Standard trim

|  | EO                                   | DT  | NL  | NL-OP   |
|--|--------------------------------------|---|---|---|
|  |                                      |   | $\bigcirc$                                    |   |
|  | <b>No outside trim</b><br>Exit only  | <b>Dummy trim</b><br>Pull when dogged         | Night latch<br>Key retracts latchbolt         | Night latch<br>Key retracts latchbolt<br>optional pull required |
| Product description                              | 2227EO                               | 2227DT  | 2227NL  | 2227NL-OP   |
| Trim description                                 | -                                    | 210DT*  | 210NL*  | 110NL-MD*<br>110NL-WD*  |
| Escutcheon plate<br>size                         | -                                    | 5³/₅" x 4²5/₃₂" x ³/₃₂"<br>(137 x 121 x 2 mm) | 5³/₅" x 4²5/₃₂" x ³/₃₂"<br>(137 x 121 x 2 mm) | -   |
| Pull center to center                            | -                                    | -   | —   | -   |
| Projection                                       | -                                    | 1 <sup>31</sup> / <sub>32</sub> " (42 mm)     | 1 <sup>31</sup> / <sub>32</sub> " (42 mm)     | —   |
| ANSI function                                    | 01                                   | 02  | 03  | 03  |
| Cylinder type                                    | —                                    | —   | Rim   | Rim   |
| Handing  | —                                    | _   | —   | —   |
| Optional trim                                    | 230EO                                | 230DT   | 230NL   | _   |
| Optional #425 sex<br>bolt quantity for<br>device | 6 (with no trim)<br>2 (with EO trim) | 2   | 2   | 6   |

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

|  | ТР  | К  | L  |
|--|---|--|--|
|  |   |  |  |
|  | <b>Thumbpiece</b><br>Key Locks & Unlocks  | <b>Knob</b><br>Key Locks & Unlocks   | Lever<br>Key Locks & Unlocks             |
| Product description                              | 2227TP                                    | 2227K  | 2227L                                    |
| Trim description                                 | 230TP*                                    | 210K   | 230L*                                    |
| Escutcheon plate<br>size                         | 3" x 12¹/₁₀" x ³/₃₂"<br>(76 x 306 x 2 mm) | 3" x 4 <sup>25</sup> / <sub>32</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 121 x 2 mm) | 3" x 6³⁄₃" x ⁵⁄₁₅"<br>(76 x 162 x 24 mm) |
| Pull center to center                            | 51/2" (140 mm)                            | -  | -  |
| Projection                                       | 2" (51 mm)                                | 2 <sup>15</sup> / <sub>16</sub> " (75 mm)  | 2⁵⁄₃" (67 mm)                            |
| ANSI function                                    | 05  | 08   | 08                                       |
| Cylinder type                                    | 1 <sup>1</sup> / <sub>4</sub> " Mortise   | Furnished  | 1 <sup>1</sup> / <sub>4</sub> " Mortise  |
| Handing  | _   | _  | _  |
| Optional trim                                    | 230ТР-ВЕ                                  | 210K-BE  | 230L-BE                                  |
| Optional #425 sex<br>bolt quantity for<br>device | 2   | 2  | 2  |

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

# 2227-F Surface mounted vertical rod fire exit device



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

Finishes - SP28 & SP313.



**Pushpad monitor** 

 Signals use of an opening

 SPDT switch to monitor pushpad

Double pushpad

monitor switch

Uses two RX switches

Alarm exit kit

Unauthorized

opening triggers 85-decibel horn Set in armed or

disarmed mode by

Latchbolt monitor

switch

RX2

ALK

key

CON Allegion Connectors • Common connectors to connect various door hardware all the way to the power supply

LX

switch
Signals use of opening
SPDT Switch to monitor latchbolt

| Specifications                           |   |
|--|---|
| Device functions                         | Ships ready for all functions, EO, DT, NL, TP, K, L   |
| Device lengths                           | 3' (914 mm) see minimum door opening chart at bottom of page<br>4' (1219 mm) see minimum door opening chart at bottom of page                               |
| Door height                              | 7' (2134 mm) standard door height<br>extension rods available for door heights up to 10' (3048mm)<br>12" (205 mm), door height<br>36" (914 mm), door height |
| Device centerline<br>from finished floor | 39 <sup>™</sup> /₁₀" (1011 mm)  |
| Center case<br>dimensions                | 4¼" (108 mm) x 1¾" (41 mm) x 2¾" (60 mm)  |
| Mechanism case<br>dimensions             | 2" (51 mm) x 3³/₄" (95 mm)  |
| Projection push bar                      | Push bar neutral - 3³/₄" (95 mm)<br>Push bar depressed - 3" (76 mm)   |
| Door undercut                            | 1/4" (7 mm) from finished floor recommended   |
| Latch bolt                               | Deadlocking anti-friction top and bottom bolt, $5/8$ " (16 mm) throw  |
| Fasteners &<br>sex bolts (SNB)           | Includes $1^{3}/4^{"}$ (44 mm) and $2^{1}/4^{"}$ (57 mm) wood & metal doors. Optional SNB available for device.   |
| Electric options                         | LX latchbolt monitor switch<br>RX pushpad monitor switch<br>RX2 double pushpad monitor switch<br>ALK alarm exit kit<br>CON Allegion Connect                 |
| Mechanical<br>options                    | PL pullman latch<br>GBK glass bead kit<br>RG rod guards<br>LG latch guards  |
| Dogging feature                          | No mechanical dogging   |
| Strikes                                  | Top 299F – (499F LBR) – Dull black  |

### Minimum door opening chart

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

Bottom 304L – Unfinished

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

| Standard trim                                  |                                      |  |  |  |
|--|--------------------------------------|--|--|--|
|  | EO                                   | NL   | NL-OP  |  |
|  |                                      |  |  |  |
|  | <b>No outside trim</b><br>Exit only  | Night latch<br>Key retracts latchbolt  | <b>Night latch</b><br>Key retracts latchbolt<br>optional pull required |  |
| Product description                            | 2227EO-F                             | 2227NL-F   | 2227NL-OP-F  |  |
| Trim description                               | -                                    | 210NL**  | 110NL-MD**<br>110NL-WD**   |  |
| Escutcheon plate size                          | -                                    | 5 <sup>3</sup> / <sub>8</sub> " x 4 <sup>25</sup> / <sub>32</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(137 x 121 x 2 mm) | _  |  |
| Pull center to center                          | -                                    | -  | —  |  |
| Projection                                     | -                                    | 1 <sup>31</sup> / <sub>32</sub> " (42 mm)  | —  |  |
| ANSI function                                  | 01                                   | 03   | 03   |  |
| Cylinder type                                  | —                                    | Rim  | Rim  |  |
| Handing  | —                                    | —  | _  |  |
| Optional trim                                  | 230EO                                | 230NL  | -  |  |
| *Optional #425 sex bolt<br>quantity for device | 6 (with no trim)<br>2 (with EO trim) | 2  | б  |  |
| *Additional 425 SNB for<br>499F strike         | 2                                    | 2  | 2  |  |

\*Sex Bolts are required for wood fire doors \*\*ANSI/BHMA A156.3 (2008) Grade 1 trim

|  | ТР   | К  | L   |
|--|--|--|---|
|  |  |  |   |
|  | <b>Thumbpiece</b><br>Key locks & unlocks   | <b>Knob</b><br>Key locks & unlocks   | Lever<br>Key locks & unlocks              |
| Product description                            | 2227TP-F   | 2227K-F  | 2227L-F                                   |
| Trim description                               | 230TP**  | 210K   | 230L**                                    |
| Escutcheon plate size                          | 3" x 12 <sup>1</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 306 x 2 mm) | 3" x 4 <sup>25</sup> / <sub>32</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 121 x 2 mm) | 3" x 6³∕₅" x ¹⁵∕₁₅"<br>(76 x 162 x 24 mm) |
| Pull center to center                          | 5 <sup>1</sup> / <sub>2</sub> " (140 mm)   | -  | -   |
| Projection                                     | 2" (51 mm)   | 2 <sup>15</sup> / <sub>16</sub> " (75 mm)  | 2⁵/₃" (67 mm)                             |
| ANSI function                                  | 05   | 08   | 08  |
| Cylinder type                                  | 1 <sup>1</sup> / <sub>4</sub> " Mortise  | Furnished  | 1 <sup>1</sup> / <sub>4</sub> " Mortise   |
| Handing  | -  | _  | -   |
| Optional trim                                  | 230TP-BE   | 210K-BE  | 230L-BE                                   |
| *Optional #425 sex bolt<br>quantity for device | 2  | 2  | 2   |
| *Additional 425 SNB for<br>499F strike         | 2  | 2  | 2   |
| *Sex Bolts are required for wood fire do       | ors  |  |   |

\*Sex Bolts are required for wood fire doors \*\*ANSI/BHMA A156.3 (2008) Grade 1 trim

# 22 Optional trim

### 210 Series trim

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

### 230 Series trim

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

### 110NL Cylinder kit

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

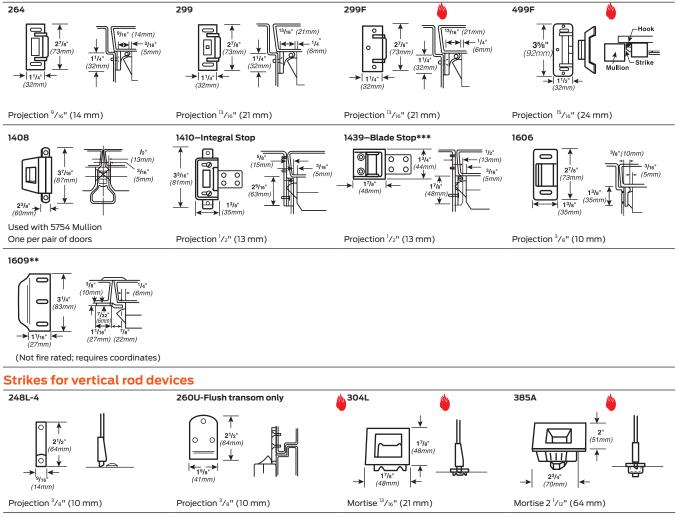
|   | EO   | DT   | NL   | TP-BE  | L-BE   | K-BE   |
|---|--|--|--|--|--|--|
|   |  | ð  | <u>ن</u>   | Ĩ  | ě  |  |
|   | <b>Exit only</b> plate   | <b>Dummy trim</b><br>pull when dogged  | Night latch<br>key retracts<br>latch bolt  | Thumbpiece blank<br>escutcheon<br>always operable, no<br>cylinder                            | Lever blank<br>escutcheon<br>always operable,<br>no cylinder | Knob blank<br>escutcheon<br>always operable,<br>no cylinder                                  |
| Trim description                                  | 230EO  | 230DT**  | 230NL**  | 230TP-BE**   | 230L-BE**  | 210K-BE  |
| Escutcheon plate<br>size                          | 3" x 12 <sup>1</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 306 x 2 mm) | 3" x 12 <sup>1</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 306 x 2 mm) | 3" x 12 <sup>1</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 306 x 2 mm) | 3" x 12 <sup>1</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 306 x 2 mm) | 3" x 6³/₅" x ¹⁵/₁₅"<br>(76 x 162 x 24 mm)                    | 3" x 4 <sup>25</sup> / <sub>32</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76 x 121 x 2 mm) |
| Pull center to center                             | _  | 5 <sup>1</sup> / <sub>2</sub> " (140 mm)   | 5 <sup>1</sup> / <sub>2</sub> " (140 mm)   | 5 <sup>1</sup> / <sub>2</sub> " (140 mm)   | -  | _  |
| Projection  | _  | 2" (51 mm)   | 2" (51 mm)   | 2" (51 mm)   | 2⁵⁄₃" (67 mm)  | 2 <sup>15</sup> / <sub>16</sub> " (75 mm)  |
| ANSI function                                     | 01   | 02   | 03   | -  | -  | -  |
| Cylinder type                                     |  | —  | Rim  |  | -  | -  |
| *Optional #425<br>sex bolt quantity<br>for device | 2  | 2  | б  | -  | 2  | 2  |
| *Additional 425<br>SNB for 499F<br>strike         | 2  | 2  | 2  | 2  | 2  | 2  |

\*Sex Bolts are required for wood fire doors

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

# 22 Strike/Stile information

### **Strikes for rim devices**



Strikes 264, 299, 299F and 499F also available for vertical rod devices.

| Device<br>type           | Standard single door                                |                | Standard<br>double door |                             | OPTIONAL<br>single door |                               | OPTIONAL<br>double door  |                 |
|--------------------------|---|----------------|-------------------------|-----------------------------|-------------------------|-------------------------------|--------------------------|-----------------|
|                          | Strike  | Stile          | Application*            | Stile                       | Strike                  | Stile                         | Application*             | Stile           |
|                          |   |                |                         |                             | 1439                    | 3³∕₁₅" (97 mm)                | 299 w/5654               | 41/4" (108 mm)  |
|                          |   |                |                         |                             | 1410                    | 3³∕₁₀" (97 mm)                | 1408 w/5754              | 3³∕₁₅" (97 mm)  |
| 22                       | 299   | 4³/₄" (121 mm) | 299 x 4954              | 4 ³/₄" (121 mm)             | 1606                    | 3 <sup>15</sup> /16" (100 mm) | 1606 w/1654              | 41/4" (108 mm)  |
|                          |   |                |                         |                             | _                       | -                             | 1609 w/vertical<br>rod** | 43¹∕₅" (111 mm) |
| 22-F                     | 299F  | 4³∕ଃ" (111 mm) | 499F x 9954             | 4 <sup>7</sup> /₀" (124 mm) | -                       | -                             | -                        | -               |
| 2227 Latch<br>Retraction | 299 (Top)<br>299 (Middle)<br>304L/284-L<br>(Bottom) | 3⁵⁄₅" (92 mm)  | Two Vertical<br>Rods    | 3⁵⁄₀" (92 mm)               | 260U Top<br>385A Bottom | 3⁵⁄₀" (92 mm)                 | Two Vertical Rods        | 3⁵⁄₀" (92 mm)   |
| 2227 Pullman<br>Latch    | 299 (Top)<br>284-L (Bottom)                         | 3⁵⁄₅" (92 mm)  | Two Vertical<br>Rods    | 3⁵⁄₀" (92 mm)               | 260U Top                | 3⁵⁄₀" (92 mm)                 | Two Vertical Rods        | 3₅⁄/₀" (92 mm)  |
| 2227-F                   | 299 (Top)<br>304L (Bottom)                          | 3⁵∕₅" (92 mm)  | Two Vertical<br>Rods    | 3⁵⁄₀" (92 mm)               | 260U-SS                 | 4"                            | 4"                       | 4"              |

\*Mullion information, refer to General and Auxiliary Catalog.

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

\*\*\*Replaces 1409 Strike

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

# 22 Electrical options

# Power supplies

PS902

### Overview:

The PS902 is an AC power supply that provides 24 VDC power to operate the ALK alarm kit. The unit will power up to 6 alarm kits.

**Note:** PS902-BB provides power in case of an AC power failure.



### EPT Electrical power 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 ideal 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".

UL Listed for use on fire doors.

### Door applications:

| Degree of opening | Hinge type                     | Door thickness |
|-------------------|--------------------------------|----------------|
| 0-180             | Up to 5" butt hinges           | 13/4"          |
| 0-180             | Up to 3/4" offest pivots       | 13/4"          |
| 0-130             | 5 <sup>1</sup> /2" butt hinges | 13/4"          |
| 0-110             | 6" butt hinges                 | 13/4"          |
| 0-90              | Swing clear hinges             | 13/4"          |

### Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic)

### Dimensions

| Housing | 9" x 1 ¼" x 1 5/8" (229mm x 32mm x 38mm)                               |
|---------|--|
| EPT-2   | Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge |
| EPT-10  | Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge |

### To order, specify:

1. EPT-2 or EPT-10.

2. Finish, SP28 or SP313.

# 22 Electrical options

### **RX Request to exit**

The RX (Request to exit) 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.

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

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

### To order, specify:

- Standard Use prefix RX, example RX22EO
- Low Current Use prefix RX-LC, example RX-LC22EO

### **RX2 Double request to exit**

The RX2 feature uses two RX switches.

### To order, specify:

Standard – Use prefix RX2, example RX22EO

### LX Latchbolt 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.

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:

- Standard use prefix LX, example LX22EO
- Low Current use prefix LX-LC, example LX-LC22EO

### Electrical rating for all switches:

- Standard up to 0.5 Amp @ 24VDC Maximum
- Low Current (LC) up to 0.5 Amp @ 24VDC Maximum

Note: All switches can be either factory or field installed

### ALK Alarm kit

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

### For hardware applications

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

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

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

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND."

### To order, specify:

1. Standard, 22 ALK

### Minimum door opening sizes on ALK applications

Refer to device pages 8, 10, 12, and 14.

 $\sum_{n}$ 

# 22 Electrical options

### **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<br>on both ends | Connectors on one end,<br>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,<br>offering a direct connection to the power supply |                            |   |  |  |  |

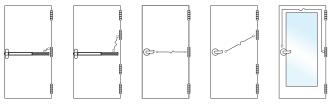
6 Inches CON-6W - wire extension to power supply Consult door manufacturer for harness length requirements.

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: RX-22-EO-CON (22 Series with RX switch and 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



# 22 Options & 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: AX22 Series, AX22-F Series. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.

Note: device shown below for reference is a 98 Series exit device.



### LBR Less bottom rod

LBR option for fire exit devices is available using a spring loaded auxiliary fire pin installed in the lower door edge. When exposed to heat the auxiliary fire pin releases, keeping the doors in alignment and closed during a fire.

LBR devices must be ordered in pairs of vertical rod devices, or must be used in conjunction with an approved automatic or constant latching flush bolt.

### LD Less dogging

Less dogging is available on all 22 Series panic exit devices. To order, use prefix LD. Example LD22EO

### **PL Pullman latch**

Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod applications. Not available with fire rated exit devices. Pullman latches do not deadlock and are not recommended for applications where security may be compromised. When the PL is specified the standard latches are replaced with Pullman style latches at an additional charge. See Pricebook for details.

### **GBK** Glass bead kit

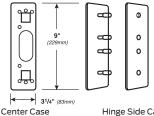
Glass bead kits are used on doors with raised glass beads. Each kit consists of 1/4" (6 mm) shim sets. GBK for surface vertical rod devices ship with  $1/_{B}$ " (3 mm) shims for rod guides. Shims are not required for top and bottom latches

### To order, specify:

- 1. With device specify GBK in device description
- 2. To order separately, specify model 22GBK-R (rim), 22GBK-499F (rim), 22GBK-SV (vertical rod)
- 3. Finish, SP28 or SP313

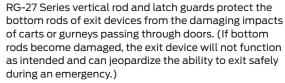
### 229 Cover plate kit

Cover plate kit contains inside and outside plates for hinge stile cutouts, an inside plate for the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations.



Hinge Side Case

### RG-27 Vertical rod and latch guard



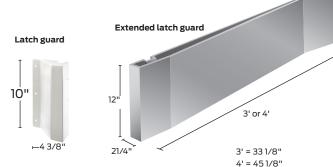
In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair.

(914 The latch guard portion is 10" high. The standard latch mm) 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.

### Rod guard

36"



### Models

| modelo                  |   |
|-------------------------|---|
| RGO                     | Rod guard only (Projection 1 <sup>3</sup> / <sub>16</sub> ")        |
| RG-27                   | Rod and latch guard   |
| RG-27-3                 | 3' (914 mm) Rod Guard and Extended<br>Latch Guard                   |
| RG-27-4                 | 4' (1219 mm) Rod Guard and Extended<br>Latch Guard                  |
| LGO                     | Latch guard only  |
| LGO-3                   | 3' (914 mm) Extended latch guard only                               |
| LGO-4                   | 4' (1219 mm) Extended latch guard only                              |
| Note: Not for blocking. | use on wood fire doors, except with SLM (special laminate material) |

### 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.

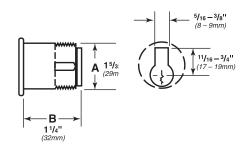
# 22 Device options & accessories

### Cylinders

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

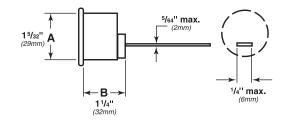


Mortise - 3215 (Schlage 20-001, B502-191 cam)





Rim - 3216 (Schlage 20-022 cam)



# UL Listings, grade, type, function options & dimensions

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

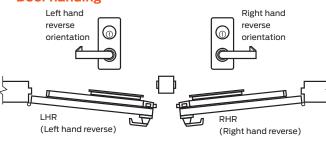
|             | Door     |              |         | Double door  |         |              |          |              |          |  |
|-------------|----------|--------------|---------|--------------|---------|--------------|----------|--------------|----------|--|
| Exit device | material | Single doc   | or      | With mullior | 1       | Same directi | on**     | Double egres | s        |  |
| 22-F        | НМ       | 3 Hour       | 4' x 8' | 3 Hour       | 8' x 8' | —            | _        | —            | _        |  |
| 22-F        | WD       | 90<br>Minute | 4' x 8' | 90 Minute    | 8' x 8' | _            | _        | -            | _        |  |
| 2227-F      | НМ       | —            | —       | -            | —       | 90 Minute*   | 8' x 10' | 3 Hour       | 8' x 10' |  |
| 2227-F      | WD       | -            | —       | —            | —       | 20 Minute*   | 8' x 10' | 90 Minute*   | 8' x 9'  |  |
| 2227-F      | WD       | -            | -       | -            | -       | 90 Minute*   | 8' x 9'  | —            | -        |  |
| 2227-F-LBR  | НМ       | -            | _       | -            | _       | 90 Minute*   | 8' x 10' | 3 Hour       | 8' x 10' |  |
| 2227-F-LBR  | WD       | -            | _       | -            | _       | 20 Minute*   | 8' x 10' | 90 Minute*   | 8' x 9'  |  |
| 2227-F-LBR  | WD       | —            | _       | -            | _       | 90 Minute*   | 8' x 9'  | _            | _        |  |

### **ANSI Function, grade & type**

\*UL listing for wood doors may be for a specific door manufacturer. Consult wood door manufacturers for current UL listings. \*\*Currently, no door manufacturers offer a listing over 90 minutes

| Function | Grade 1 type 1 | Grade 1 type 2     |
|----------|----------------|--------------------|
| 01       | 22EO & 22EOF   | 2227EO & 227EO-F   |
| 02       | 22DT           | 2227DT             |
| 03       | 22NL & 22NL-F  | 2227NL & 2227NL- F |
| 05       | 22TP & 22TP-F  | 2227TP & 2227TP-F  |
| 08       | 22K & 22K-F    | 2227K & 2227K-F    |
| 08       | 22L & 22L-F    | 2227L & 2227L-F    |

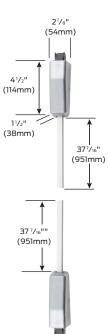
### **Door handing**



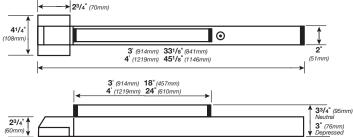
Outside

### Vertical rod dimensions

Vertical rods are  $\frac{1}{2}$ " (13 mm) square tubing



### Dimensions



# Finishes

| Finishes*              |           |                |  |  |
|------------------------|-----------|----------------|--|--|
| Color                  | US Number | BHMA<br>Number |  |  |
| Sprayed<br>aluminum    | SP28      | 689            |  |  |
| Sprayed dark<br>bronze | SP313     | 695            |  |  |

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

### **About Allegion**

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries.

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