

98/99 Rim exit device



The 299 Strike ships standard, optional strikes available

98 and 99 Rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2014 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Hex key dogging comes standard on 98/99 Rim exit devices



Specifications

| | | |
|---------------------------------------|---|---|
| Device functions | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device. | |
| 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" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm) | |
| Mechanism case dimensions | 2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm) | |
| Projection | Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm) | |
| Latch bolt | Deadlocking, ³ / ₄ " (19mm) throw | |
| Fasteners & sex bolts (SNB) | Includes screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities. | |
| Electric options | LX | Latchbolt monitor switch |
| | RX | Pushpad monitor switch |
| | RX2 | Double pushpad monitor switch |
| | E | Electric locking & unlocking trim |
| | EL | Electric latch retraction |
| | QEL | Quiet electric latch retraction |
| | SS | Signal switch |
| | CX | Chexit delayed exit |
| | ALK | Alarm exit kit |
| | WP-RX | Waterproof request to exit |
| | CON | Allegion Connect |
| Mechanical options | -2 | Double cylinder |
| | AX | Accessible device |
| | GBK | Glass bead kit |
| | PN | Pneumatic latch retraction |
| | XP | Extra protection |
| | SNB | Sex bolts |
| | SEC | Security screws |
| Dogging feature | Hex key dogging standard | |
| Dogging options | CD | Cylinder dogging |
| | SD | Special center case dogging |
| | LD | Less dogging |
| | DI | Dogging indicator |
| | CI | Cylinder dogging indicator |
| Strikes | 299 – Dull black | |

XP

Extra protection

- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

CD

Cylinder dogging

- Replaces hex key dogging
- Requires 1¹/₄" mortise cylinder with inverted cam

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

CX

Chexit delayed exit

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

AX

Accessible device

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

EL

Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK

Alarm exit kit

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

PN

Pneumatic latch retraction

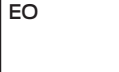



- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging





CON

Allegion Connectors

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

Standard trim

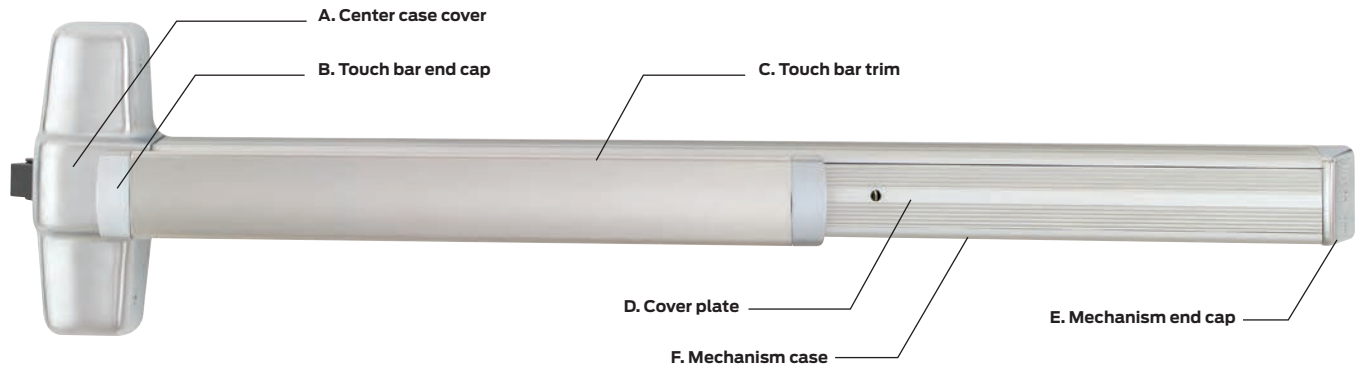
| | EO | DT | NL | NL-OP |
|---------------------------------------|---|---|---|---|
| |  <p>No outside trim Exit only</p> |  <p>Dummy trim Pull when dogged</p> |  <p>Night latch Key retracts latchbolt</p> |  <p>Night latch Key retracts latchbolt optional pull required</p> |
| Product description | 98EO 99EO | 98DT 99DT | 98NL 99NL | 98NL-OP 99NL-OP |
| Trim description | — | 990DT | 990NL-R/V | 110NL-MD 110NL-WD |
| Escutcheon plate size | — | 3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm) | 3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm) | — |
| Pull center to center | — | 5 ^{1/2} " (140mm) | 5 ^{1/2} " (140mm) | — |
| Projection | — | 2" (51mm) | 2" (51mm) | — |
| ANSI function | 01 | 02 | 03 | 03 |
| Cylinder type | — | — | Rim | Rim |
| Handing | — | — | — | — |
| Optional trim | x990EO x996EO | x996K-DT x996L-DT x696DT x697DT | x996K-NL x996L-NL x696NL x697NL | |
| Optional #425 SNB quantity for device | 6 | 2 | 2 | 6 |

| | L  Lever Key locks & unlocks | L-NL  Lever – night latch Key retracts latchbolt | L-BE  Lever – blank escutcheon Always operable (no cylinder) | L-DT  Lever dummy trim pull when dogged |
|--|--|--|--|---|
| Product description | 98L 99L | 98L-NL 99L-NL | 98L-BE 99L-BE | 98L-DT 99L-DT |
| Trim description | 996L-R/V* | 996L-NL-R/V | 996L-BE-R/V* | 996L-DT |
| Escutcheon plate size | 2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm) | 2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm) | 2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm) | 2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm) |
| Pull center to center | — | — | — | — |
| Projection | 2 ⁷ / ₈ " (73mm) | 2 ⁷ / ₈ " (73mm) | 2 ⁷ / ₈ " (73mm) | 2 ⁷ / ₈ " (73mm) |
| ANSI function | 08 | 03 | 14 | 02 |
| Cylinder type | Rim | Rim | — | — |
| Handing | Handed/Reversible | Handed/Reversible | Handed/Reversible | Handed/Reversible |
| Optional #425 SNB quantity for device | 2 | 2 | 2 | 2 |

* Electrified lever operation available

Notes

98/99 Finishes



Finishes

| Color | US number | BHMA number | A, B, E | C | D & F |
|------------------------|-----------|-------------|----------------------|----------------------------------|------------------------|
| Bright brass | US3 | 605 | Bright brass | Bright brass US3, 605 | Buffed anodized |
| Satin brass | US4 | 606 | Bright brass | Satin brass US4, 606 | Anodized |
| Satin bronze | US10 | 612 | Plated | Satin bronze US10, 612 | Anodized |
| Bright chrome | US26 | 625 | Plated | Bright stainless steel US32, 629 | Buffed anodized |
| Satin chrome | US26D | 626 | Plated | Satin stainless steel US32D, 630 | Anodized |
| Satin stainless steel* | US32D | 630 | Stainless steel | Satin stainless steel US32D, 630 | Anodized |
| Aluminum, anodized | US28 | 628 | Powder coat | Satin stainless steel US32D, 630 | Anodized |
| Duranodic dark bronze | 313 | 710 | Powder coat | Powder coat | Powder coat |
| Black | 315 | 622 | Powder coat | Powder coat | Powder coat |
| Aged bronze 643E | — | — | Relieved aged bronze | Relieved aged bronze | Aged bronze, no relief |

Special Finishes

| Color | US number | BHMA number | A, B, E | C | D & F |
|---------------------------------------|-----------|-------------|-------------------------------|---|------------------------|
| Satin bronze, oil-rubbed | US10B | 613 | Oil-rubbed, US10B | Oil-rubbed, US10B | Powder coat |
| Powder coat** | RAL # | — | Powder coat | Satin stainless steel US32D, 630 (unless specified to match device) | Powder coat |
| Bright bronze | US9 | 611 | Plated | Bright bronze US9, 611 | Buffed anodized |
| Satin nickel* | US15 | 619 | Plated, clear powder | Satin stainless steel US32D | Anodized |
| Satin chrome (antimicrobial) | U26D-AM | 626-AM | AM Clear over chrome | AM Clear over satin stainless steel US32D, 630 | AM Clear over anodized |
| Satin stainless steel (antimicrobial) | US32D-AM | 630-AM | AM Clear over stainless steel | AM Clear over Satin Stainless Steel US32D, 630 | AM Clear over anodized |

Touch bar trim options — Knurled
 Embossed “Push”
 Braille (Caution-Stairwell), satin stainless steel only
 RSS, US32D only, red silk screen lettered “EMERGENCY EXIT ONLY – PUSH TO OPEN AND SOUND ALARM.”

* US32D and US15—available on 98 Series only

** Other custom logo touchbar trim and RAL color combinations available - consult factory