7000 Series
Architectural Exit Devices
Yale® 7000 series exit devices deliver an unparalleled combination of durability, breadth of line, innovation and aesthetics.

As the most recognized name in the door hardware industry, Yale offers a proven selection of hard-working exit devices. The simple, clean lines of our wide and narrow stile devices are visually appealing and bring a gracious totality to the Yale line of locks and hardware.

To meet electronic access control needs, Yale 7000 series exit devices come with a full array of electromechanical options and accessories. The 7000 series can be effortlessly integrated into existing security or fire alarm systems to ensure every opening is safeguarded.

Today’s architecture stresses the safety and security of a building’s contents, the most important of these being people. Reducing the consequences of potential risks is the goal of any designer. By mounting panic and fire exit devices, vandals are deterred, but swift, unobstructed egress is permitted. Yale 7000 series exit devices meet life safety codes and fire safety requirements, allowing for local ordinances to be met and allowing peace of mind for the people inside.

7000 series features

- **Durability**
  - Steel chassis and heavy-duty components for superior strength, robustness and lower maintenance

- **Breadth and Innovation**
  - Full range of mechanical and electromechanical options for security and life safety applications
  - Patented security features including SquareBolt® latchbolts (Pat. no. 5,605,362) and delayed egress exit devices (Pat. no. 7,469,942).

- **Aesthetics**
  - Clean, modern, sleek design
  - High-quality attractive architectural finishes deliver consistency & durability

7100(F) series

- A conventional exit device for single swing doors or pairs of doors of metal, wood or composite construction.

7200 series

- A narrow stile exit device compatible with the aesthetics and function requirements of contemporary doors of aluminum or metal construction.

7200M(F) series

- A narrow appearance exit device designed for wide or flush stile doors of metal, wood or composite construction.

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Finishes

<table>
<thead>
<tr>
<th>ANSI/BHMA Code</th>
<th>Finish Description</th>
<th>ANSI/BHMA Code</th>
<th>Finish Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>605</td>
<td>Bright Brass, Clear Coated</td>
<td>620</td>
<td>Satin Nickel Plated, Blackened, Satin Relieved, Clear Coated</td>
</tr>
<tr>
<td>606</td>
<td>Satin Brass, Clear Coated</td>
<td>625</td>
<td>Bright Chrome Plated (540F trim only)</td>
</tr>
<tr>
<td>609</td>
<td>Satin Brass, Blackened, Satin Relieved, Clear Coated</td>
<td>626</td>
<td>Satin Chrome Plated</td>
</tr>
<tr>
<td>611</td>
<td>Bright Bronze, Clear Coated</td>
<td>629</td>
<td>Bright Stainless Steel</td>
</tr>
<tr>
<td>612</td>
<td>Satin Bronze, Clear Coated</td>
<td>630</td>
<td>Satin Stainless Steel</td>
</tr>
<tr>
<td>613</td>
<td>Dark Oxidized Satin Bronze, Oil Rubbed</td>
<td>693</td>
<td>Black Painted</td>
</tr>
<tr>
<td>616</td>
<td>Satin Bronze, Blackened, Satin Relieved, Clear Coated</td>
<td>722</td>
<td>Black Oxidized Bronze, Oil Rubbed</td>
</tr>
<tr>
<td>619</td>
<td>Satin Nickel Plated, Clear Coated</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Finishes For Touchbar Covers Only

- BN: Semi-gloss black fused polymer
- LUM: Lumi-Lite® Photoluminescence
- SS: Stainless Steel
- WF: Walnut, stained and sealed
- WU: Unfinished wood veneer

1. New May 1, 2010
2. Formerly 613 prior to May 1, 2010
3. Standard for device accent parts and strikes

Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.
7000 series architectural exit devices

features

squarebolt® exit device
A revolutionary security and safety exit device from Yale®, the SquareBolt patented design (Pat. no. 5,605,362) presents an improved physical barrier over standard rim latchbolts.

Available in wide stile, narrow stile, and narrow appearance designs, the SquareBolt exit device locks into place and stays there. Credit cards, crowbars, door rattling and shaking are resisted, significantly reducing the threat of unauthorized entry.

electrified exit devices
The Yale 7000 series exit device offers a complete range of electrical options:

- Latch Pullback
- Electric Dogging
- Mortise Device Trim Control
- Touchbar Monitor or Signaling
- Outside Trim Monitor or Signaling
- Latchbolt Position Monitor or Signaling
- Delayed Egress (Pat. no 7,469,942)
- Electric Trim Control
- Exit Alarm

Continuity in appearance, security and functions with the 7000 Series mechanical exit devices is maintained.

7000 series electrified exit devices may be integrated into the security and alarm monitoring systems of most buildings.

windstorm
Certified (refer to local codes).
Specify suffix “WS” to 7150(F), 7170(F) or 7250M(F) devices.

warranty
- Mechanical exit devices and heavy-duty trim carry a five-year limited warranty.
- Utility-duty trim carries a one-year limited warranty.
- Electrical options and components carry a two-year limited warranty.

microshield®
7000 series exit devices and trim are available with MicroShield® antimicrobial coating. MicroShield is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. MicroShield is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code “YMS”.

Note: MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. Yale makes no representations or warranties, express or implied, as to the efficacy of the MicroShield antimicrobial. A copy of the MicroShield warranty is available upon request.

lumi-lite®
Lumi-lite uses photoluminescence technology to provide visibility of exit doors in low-light, no light or smokey conditions. Lumi-lite absorbs ambient lighting which is then emitted when the light source is diminished or eliminated. This patent pending feature is provided as an option for the touchpad cover for the 7000 series exit devices. To order with device, suffix option code “LUM”.

The touchpad cover can also be ordered separately and easily retrofits to existing 7000 series exit devices in the field. See page 48 for how to order separately.

Touchpad cover comes standard with the word “EXIT” centered on the top half in approximately 1” high lettering.

performance standards
UL - cUL Panic Exit Listing: Doors up to 4’0” x 10’0” (1.22m x 3.05m), single swing or pairs.

UL - cUL Fire Exit Label: Doors up to 4’0” x 10’0” (1.22m x 2.44m), single swing or pairs.

*UL does not set height limitations on panic devices.

free-wheeling lever trim
All Yale exit device trims (except mortise trim) feature the unique Free-Wheeling lever mechanism, similar to our 5400LN cylindrical lock. This Free-Wheeling trim features a clutch mechanism which allows the lever to float down 60 degrees when operated in the locked condition, greatly improving vandal resistance.

Listed in the National Fire Protection Association’s Directory of Certified Exit Devices.

 UL - cUL Panic Exit Listing: Doors up to 4’0” x 10’0” (1.22m x 3.05m), single swing or pairs.

UL - cUL Fire Exit Label: Doors up to 4’0” x 10’0” (1.22m x 2.44m), single swing or pairs.

*UL does not set height limitations on panic devices.
## 7000 series | architectural exit devices

### functions

#### knob or lever trims

<table>
<thead>
<tr>
<th>SquareBolt® 7150(F) 7250 7250M(F)</th>
<th>Rim 7100(F) 7200 7200M(F)</th>
<th>Surface Vertical Rod 7110(F) 7170(F) 7210 7210M(F)</th>
<th>Concealed Vertical Rod 7120(F) 7160(F) 7220 7220M(F)</th>
<th>Mortise 7130(F)</th>
<th>Type</th>
<th>ANSI Function No.</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inside  Outside</td>
<td>Inside  Outside</td>
<td>Inside  Outside</td>
<td>Inside  Outside</td>
<td>Inside  Outside</td>
<td>Exit Only/Blank Plate 01 – Exit only, no trim. Exit only, blank plate.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dummy 02</td>
<td>Entrance by trim when actuating bar is locked down.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nightlatch 03</td>
<td>Entrance by trim when latchbolt is retracted by key. Key removable only when locked.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Classroom 08</td>
<td>Entrance by knob or lever. Key locks or unlocks knob or lever.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Storeroom 09</td>
<td>Entrance by knob or lever only when released by key. Key removable only when locked.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Passage 14</td>
<td>Entrance by trim when latchbolt is released by knob or lever. Knob or lever always active, no cylinder.</td>
<td></td>
</tr>
</tbody>
</table>

Note: 09 and Free-Wheeling 02 achieved with a single modification at installation.

### double cylinder exit device lever trims

<table>
<thead>
<tr>
<th>SquareBolt® 7150(F)-2</th>
<th>Rim 7100(F)-2</th>
<th>Mortise 7130(F)-2</th>
<th>Type</th>
<th>ANSI Function No.</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inside  Outside</td>
<td>Inside  Outside</td>
<td>Inside  Outside</td>
<td>Classroom 08</td>
<td>Entrance by lever. Key either side locks or unlocks lever.</td>
<td></td>
</tr>
</tbody>
</table>
## Functions

**Thumbpiece, Thumbturn and Pull Trims**

<table>
<thead>
<tr>
<th>SquareBolt®</th>
<th>Rim</th>
<th>Surface Vertical Rod</th>
<th>Concealed Vertical Rod</th>
<th>Mortise</th>
<th>Type</th>
<th>ANSI Function No.</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7150(F)</td>
<td>7100(F)</td>
<td>7110(F)</td>
<td>7120(F)</td>
<td>7130(F)</td>
<td>Inside</td>
<td>Exit Only/Blank Plate</td>
<td>01 – Exit only, no trim. Exit only, blank plate.</td>
</tr>
<tr>
<td>7250</td>
<td>7200</td>
<td>7210</td>
<td>7210M(F)</td>
<td></td>
<td>Outside</td>
<td>Dummy/Pull Plate</td>
<td>02 – Entrance by trim when actuating bar is locked down.</td>
</tr>
<tr>
<td>7250M(F)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nightlatch</td>
<td>03 – Entrance by trim when latchbolt is retracted by key. Key removable only when locked.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Classroom</td>
<td>05 – Entrance by thumbpiece. Key locks or unlocks thumbpiece.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Storeroom</td>
<td>06 – Entrance by thumbpiece only when released by key. Key removable only when locked.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Passage</td>
<td>15 – Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Classroom</td>
<td>11 – Entrance by control turn piece. Key locks or unlocks control.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Storeroom</td>
<td>12 – Entrance by control turn piece only when released by turning key. Key removable only when locked.</td>
</tr>
</tbody>
</table>

Note: 06 and 12 achieved with a single modification at installation.
### 7100 series applications

**Introduction**

The 7100 is the perfect choice for wide stile panic and fire-rated applications. The smooth architectural lines provide pleasing aesthetics to accent a building’s appearance, and looks aren’t always deceiving. Beneath the strong exterior lie the components to meet the demanding security and access control needs of today. The delayed egress option is just one of the many SecureX® electromechanical options offered to enhance security. Complementing the 7100 series with the 600F series heavy-duty trim completes the package for a heavy-duty, security hardware package.

#### Applications

<table>
<thead>
<tr>
<th>Single Door</th>
<th>UL Listing</th>
<th>Maximum Opening</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SquareBolt®</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7150/7150-2</td>
<td>Panic</td>
<td>4’ x *</td>
<td>Surface applied; single-point latching.</td>
</tr>
<tr>
<td>7150F/7150F-2</td>
<td>3 Hr.</td>
<td>4’ x 8’</td>
<td></td>
</tr>
<tr>
<td>7150WS</td>
<td>Panic</td>
<td>4’ x 8’</td>
<td>Surface applied; single-point latching. Used as components in swinging door windstorm-rated assemblies (refer to local codes).</td>
</tr>
<tr>
<td>7150FWS</td>
<td>3 Hr.</td>
<td>4’ x 8’</td>
<td></td>
</tr>
<tr>
<td><strong>Rim</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7100/7100-2</td>
<td>Panic</td>
<td>4’ x *</td>
<td>Surface applied; single-point latching.</td>
</tr>
<tr>
<td>7100F/7100F-2</td>
<td>3 Hr.</td>
<td>4’ x 8’</td>
<td></td>
</tr>
<tr>
<td><strong>Mortise</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7130/7130-2</td>
<td>Panic</td>
<td>4’ x *</td>
<td>Mortised in door; single-point latching.</td>
</tr>
<tr>
<td>7130F/7130F-2</td>
<td>1-1/2 Hr.</td>
<td>4’ x 9’</td>
<td></td>
</tr>
<tr>
<td>7130F/7130F-2</td>
<td>3 Hr.</td>
<td>4’ x 8’</td>
<td></td>
</tr>
<tr>
<td><strong>Surface Vertical Rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7110</td>
<td>Panic</td>
<td>4’ x 8’</td>
<td>Surface applied; two-point latching.</td>
</tr>
<tr>
<td>7170</td>
<td>Panic</td>
<td>4’ x 10’</td>
<td>Surface applied; one-point latching.</td>
</tr>
<tr>
<td>7170 x LBR</td>
<td>Panic</td>
<td>4’ x 10’</td>
<td></td>
</tr>
<tr>
<td>7170WS</td>
<td>Panic</td>
<td>4’ x 8’</td>
<td>Surface applied; two-point latching. Used as components in swinging door windstorm-rated assemblies (refer to local codes).</td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7120</td>
<td>Panic</td>
<td>4’ x 8’</td>
<td>Rods concealed in door; two-point latching.</td>
</tr>
<tr>
<td>7160</td>
<td>Panic</td>
<td>4’ x 10’</td>
<td>Rods concealed in door; one-point latching.</td>
</tr>
<tr>
<td>7160 x LBR</td>
<td>Panic</td>
<td>4’ x 10’</td>
<td></td>
</tr>
</tbody>
</table>

*UL does not set a door height limitation on panic applications.

<table>
<thead>
<tr>
<th>Pair of Doors with Removable Mullion</th>
<th>UL Listing</th>
<th>Maximum Opening</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SquareBolt® x SquareBolt®</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7150 x 7150 x M200 Series</td>
<td>Panic</td>
<td>8’ x 10’</td>
<td>Two independent active doors with removable mullion.</td>
</tr>
<tr>
<td>7150F x 7150F x M200F Series</td>
<td>3 Hr.</td>
<td>8’ x 8’</td>
<td>Two independent active doors with removable mullion.</td>
</tr>
<tr>
<td>7150WS x 7150WS x M200FWS</td>
<td>Panic</td>
<td>8’ x 8’</td>
<td>Two independent active doors with removable mullion. Used as components in swinging door windstorm-rated assemblies (refer to local codes).</td>
</tr>
<tr>
<td>7150FWS x 7150FWS x M200FWS</td>
<td>3 Hr.</td>
<td>8’ x 8’</td>
<td></td>
</tr>
<tr>
<td><strong>Rim x Rim</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7100 x 7100 x M200 Series</td>
<td>Panic</td>
<td>8’ x 10’</td>
<td>Two independent active doors with removable mullion.</td>
</tr>
<tr>
<td>7100F x 7100F x M200F Series</td>
<td>3 Hr.</td>
<td>8’ x 8’</td>
<td></td>
</tr>
</tbody>
</table>
## 7100 series applications

<table>
<thead>
<tr>
<th>Pair of Doors</th>
<th>UL Listing</th>
<th>Maximum Opening</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Surface Vertical Rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7110 x 7110</td>
<td>Panic</td>
<td>8' x 8'</td>
<td>Two independent doors with two-point latching, swinging in the same direction.</td>
</tr>
<tr>
<td>7110F x 7110F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td>7170 x 7170</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent doors with one- or two-point latching, swinging in the same direction.</td>
</tr>
<tr>
<td>7170F x 7170F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td>7170F90 x 7170F90</td>
<td>1-1/2 Hr.</td>
<td>8' x 10'</td>
<td></td>
</tr>
<tr>
<td>7170WS x 7170WS</td>
<td>Panic</td>
<td>8' x 8'</td>
<td>Two independent doors with two-point latching, swinging in opposite directions. Used as components in swinging door windstorm-rated assemblies (refer to local codes).</td>
</tr>
<tr>
<td>7170FWS x 7170FWS</td>
<td>1-1/2 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td><strong>Surface Vertical Rod (Double Egress)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7110 x 7110</td>
<td>Panic</td>
<td>8' x 8'</td>
<td>Two independent doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.</td>
</tr>
<tr>
<td>7110F x 7110F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td>7170 x 7170</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent doors with one- or two-point latching, swinging in opposite directions. Overlapping astragal not required.</td>
</tr>
<tr>
<td>7170F90 x 7170F90</td>
<td>1-1/2 Hr.</td>
<td>8' x 10'</td>
<td></td>
</tr>
<tr>
<td>7170F x 7170F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td><strong>Surface Vertical Rod x Mortise</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7110 x 7130</td>
<td>Panic</td>
<td>8' x 8'</td>
<td>Overlapping astragal required for 3-hour openings. Coordinator required with standard ANSI strike.</td>
</tr>
<tr>
<td>7110F x 7130F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td>7110F x 7130F x Open Back Strike</td>
<td>1-1/2 Hr.</td>
<td>8' x 8'</td>
<td>Overlapping astragal required for fire-rated openings. Coordinator required with standard ANSI strike.</td>
</tr>
<tr>
<td>7170 x 7130</td>
<td>Panic</td>
<td>8' x 10'</td>
<td></td>
</tr>
<tr>
<td>7170F90 x 7130F</td>
<td>1-1/2 Hr.</td>
<td>8' x 9'</td>
<td></td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7120 x 7120</td>
<td>Panic</td>
<td>8' x 8'</td>
<td>Two independent metal doors with two-point latching, swinging in the same direction.</td>
</tr>
<tr>
<td>7120F x 7120F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td>7160 x 7160</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent metal or wood doors with one- or two-point latching, swinging in the same direction.</td>
</tr>
<tr>
<td>7160F90 x 7160F90</td>
<td>1-1/2 Hr.</td>
<td>8' x 10'</td>
<td></td>
</tr>
<tr>
<td>7160F x 7160F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod (Double Egress)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7120 x 7120</td>
<td>Panic</td>
<td>8' x 8'</td>
<td>Two independent metal doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.</td>
</tr>
<tr>
<td>7120F x 7120F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
<td></td>
</tr>
<tr>
<td>7160 x 7160</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent metal or wood doors with one- or two-point latching, swinging in opposite directions. Overlapping astragal not required.</td>
</tr>
<tr>
<td>7160F90 x 7160F90</td>
<td>1-1/2 Hr.</td>
<td>8' x 10'</td>
<td></td>
</tr>
</tbody>
</table>
SquareBolt®

7150(F)

Just as easy to open as traditional latchbolts, the SquareBolt® exit device’s unique construction offers innovative protection. Its patented SquareBolt (Pat. no. 5,605,362) design presents an improved physical barrier over standard rim latchbolts. The SquareBolt exit device locks into place and stays there. Credit cards, crowbars, door rattling and shaking are resisted, significantly reducing the threat of unauthorized entry.

features

- Patented SquareBolt security deadbolt (Pat. no. 5,605,362) designed for maximum holding power
- Non-handed for easy installation
- Can be retrofitted onto existing 7100 series templated doors
- Fully adjustable surface-mounted 3/8” diameter roller strike complete with positive locking plate and shims
- Available in double cylinder function
- Available certified hurricane resistant (refer to local codes). Specify 7150(F)WS

applications

- Single swing doors
- Pairs of doors with removable mullions
- Metal, wood or composite door materials

specifications

Door Opening Width: -24 for 24” (60cm) doors
-36 for 30” - 36” (76cm - 91cm) doors
-48 for 36” - 48” (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Thickness: 1-3/4” (44mm) standard. Optional door thicknesses available to 4-1/2”; specify door thickness when ordering.

Minimum Stile Width: 4-1/2” (114mm)

Projection: 3-1/4” (83mm) active, 2-3/4” (70mm) dogged

Deadbolt: Patented 1” (25mm) slide projection bolt with full 3/4” (19mm) projection

Strike: 757F, 793 optional (double door application, panic only)

Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.

Trims: 620F series escutcheon trim, 630F series pull/thumbpiece trim, 680F series offset pull trim, 540F series rose trim, 121NL cylinder only. See pages 27-29.

Dogging: Hex key dogging supplied standard on panic devices

Options: Cylinder dogging, shim kit #723, sex nuts and bolts, MicroShield®, Lumi-Lite®

Warranty: 5-year limited

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(4’ x 8’ single, 8’ x 8’ pairs, 3 hr.)
ZHEM - Latching hardware
ZHLA - Windstorm rated assemblies

ANSI/BHMA Certified: A156.3 Type 1 or 28, Grade 1
U.S. Patent #: 5,605,362
7000 series | architectural exit devices

rim
7100(F)
The 7100(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. Designed for application in high-use areas, the 7100(F) comes in a variety of finishes and can be combined with a variety of trims to match any desired style.

certification/compliance
UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(4’ x 8’ single, 8’ x 8’ pairs, 3 hr.)
ANSI/BHMA Certified: A156.3 Type 1, Grade 1

features
• Designed for wide stile doors
• 3/4” throw deadlocking stainless steel pullman latchbolt
• Electroplated ferrous components provide corrosion resistance
• Available in double cylinder function

applications
• Non-handed for easy installation
• Single swing doors
• Pairs of doors with removable mullions
• Metal, wood or composite door materials

specifications
Door Opening Width: 
-24 for 24” (60cm) doors
-36 for 30” - 36” (76cm - 91cm) doors
-48 for 36” - 48” (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Thickness: 1-3/4” (44mm) standard. Optional door thicknesses available to 4-1/2”; specify door thickness when ordering.

Minimum Stile Width: 4-1/2” (114mm)

Projection: 3-1/4” (83mm) active, 2-3/4” (70mm) dogged
Latchbolt: 3/4” (19mm) deadlocking stainless steel pullman-type
Strike: 757F, 793 optional (double door application, panic only)
Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.

Trims: 620F series escutcheon trim, 630F series pull/thumbpiece trim, 680F series offset pull trim, 540F series rose trim, 121NL cylinder only. See pages 27-29.

Doggng: Hex key dogging supplied standard on panic devices
Options: Cylinder dogging, shim kit #723, sex nuts and bolts, MicroShield®, Lumi-Lite®
Warranty: 5-year limited
7000 series | architectural exit devices

surface vertical rod

7110(F)

The 7110(F) is a surface vertical rod exit device to be used on wide stile or flush doors up to 8' (fire) and 10' (panic) where two-point latching is desired.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(8' x 8' pairs, 3 hr.)

ANSI/BHMA Certified: A156.3 Type 2, Grade 1

features

• Designed for wide stile and flush doors
• Handed. Specify hand (field reversible)
• Bottom deadbolt for secure latching
• Fully adjustable roller strike

applications

• Pairs of doors
• Double egress
• Metal, wood or composite door materials

specifications

- Door Opening Width: -24 for 24" (60cm) doors
  -36 for 30" - 36" (76cm - 91cm) doors
  -48 for 36" - 48" (91cm - 122cm) doors
  Optional sizes can be special ordered. Consult Technical Product Support.

- Door Opening Height: Standard door height 7' (213cm), with the device centerline at 39-15/16" (101cm) from floor. Optional heights up to 8' (fire) and 10' (panic) available by using rod extensions. For fire rated openings over 8', see 7170F SVR.

- Door Thickness: 1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.

- Minimum Stile Width: 4-1/2" (114mm)
- Projection: 3-1/4" (83mm) active, 2-3/4" (70mm) dogged
- Latchbolt: Top: 3/4" (19mm) throw, pullman-type with automatic deadlatching
  Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing
- Vertical Rods: 1/2" O.D. tubular brass, bronze or stainless steel with rod guides
- Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.
- Dogging: Hex key dogging supplied standard on panic devices
- Options: Cylinder dogging, shim kit #724, sex nuts and bolts, rod extensions, bottom pullman latch (panic only) MicroShield®, Lumi-Lite®
- Warranty: 5-year limited
surface vertical rod

7170(F)

The 7170(F) is a surface vertical rod exit device to be used on wide stile and flush doors up to 10' where one- or two-point latching is desired. A Less Bottom Rod (LBR) option is available.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(8' x 10' pairs, 1-1/2 hr.)
(8' x 8' pairs, 3 hr.)
ZHEM - Latching hardware
ZHLA - Windstorm rated assemblies

ANSI/BHMA Certified: A156.3 Type 2, Grade 1

features

• Designed for wide stile and flush doors
• Handed. Specify hand (field reversible)
• Interlocking top strike and latch mounting plate
• Available less bottom rod (LBR option)
• Available certified hurricane resistant (refer to local codes - not approved for LBR). Specify 7170(F)WS

applications

• Pairs of doors
• Double egress
• Metal or wood doors

specifications

Door Opening Width: -24 for 24" (60cm) doors
-36 for 30" - 36" (76cm - 91cm) doors
-48 for 36" - 48" (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Opening Height: Standard door height 7' (213cm), with the device centerline at 39-15/16" (101cm) from floor.
Optional heights specify suffix -8, -9, -10.

Door Thickness: 1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.

Minimum Stile Width: 4-1/2" (114mm)

Projection: 3-1/4" (83mm) active, 2-3/4" (70mm) dogged

Latchbolt: Top: 3/4" (19mm) throw, pullman-type with automatic deadlatching
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing

Vertical Rods: 1/2" O.D. tubular brass, bronze or stainless steel with rod guides


Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.


Dogging: Hex key dogging supplied standard on panic devices

Options: Cylinder dogging, shim kit #724, sex nuts and bolts, bottom pullman latch (panic only), less bottom rod (LBR), -8, -9, -10 opening height, rod extensions, MicroShield®, Lumi-Lite®.

Warranty: 5-year limited

Heat-activated door bolt (thermal pin) - Used when bottom rod is omitted from fire exit devices (LBR).
concealed vertical rod

7120(F)

The 7120(F) is a concealed vertical rod exit device to be used on metal doors only up to 8’ (fire) and 10’ (panic) where two-point latching is desired.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXH/GXH7 - Fire exit hardware (F)
(8’ x 8’ pairs, 3 hr.)

ANSI/BHMA Certified: A156.3 Type 8, Grade 1

features

• Designed for wide stile and flush doors
• Handed. Specify hand (field reversible)
• Bottom deadbolt for secure latching
• Fully adjustable roller strike

applications

• Pairs of doors
• Double egress
• Metal doors only

specifications

Door Opening Width: -24 for 24" (60cm) doors
-36 for 30" - 36" (76cm - 91cm) doors
-48 for 36" - 48" (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Opening Height: Standard door height adjustable to 8’ (244cm), with the device centerline at 39-15/16" (101cm) from floor. Optional heights up to 10’ (panic) available by using rod extensions. For fire rated openings over 8’, see 7160F CVR.

Door Thickness: 1-3/4" (44mm) standard. 2" and 2-1/4" (51mm and 57mm) optional; specify when ordering.

Minimum Stile Width: 4-1/2" (114mm)

Projection: 3-1/4" (83mm) active, 2-3/4" (70mm) dogged

Latchbolt: Top: 3/4" (19mm) throw, pullman-type with automatic deadlatching
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing

Vertical Rods: 1/2" (13mm) O.D. telescoping tubular rods


Fasteners: Machine screws standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.


Dogging: Hex key dogging supplied standard on panic devices

Options: Cylinder dogging, shim kit #723, sex nuts and bolts, rod extensions, bottom pullman latch (panic only) MicroShield®, Lumi-Lite®

Warranty: 5-year limited
concealed vertical rod

7160(F)

The 7160(F) is a concealed vertical rod exit device to be used on wood and metal doors up to 10’ where one- or two-point latching is desired. A Less Bottom Rod (LBR) option is available.

features

- Designed for wide stile and flush doors
- Handed. Specify hand (field reversible)
- Mortised top strike
- Available less bottom rod (LBR option)

applications

- Pairs of doors
- Double egress
- Metal, wood, or composite door materials

specifications

Door Opening Width:
- -24 for 24" (60cm) doors
- -36 for 30" - 36" (76cm - 91cm) doors
- -48 for 36" - 48" (91cm - 122cm) doors

Optional sizes can be special ordered. Consult Technical Product Support.

Door Opening Height:
- Standard door height adjustable to 8’ (244cm), with the device centerline at 39-15/16" (101cm) from floor. Optional heights specify suffix -9, -10.

Door Thickness:
- 1-3/4" (44mm) standard. 2" and 2-1/4" (51mm and 57mm) optional; specify when ordering.

Minimum Stile Width:
- 4-1/2" (114mm)

Projection:
- 3-1/4" (83mm) active, 2-3/4" (70mm) dogged

Latchbolt:
- Top: 3/4" (19mm) throw, pullman-type with automatic deadlatching
- Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing

Vertical Rods:
- 1/2" (13mm) O.D. telescoping tubular rods

Strike:

Fasteners:
- Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.

Trims:

Dogging:
- Hex key dogging supplied standard on panic devices

Options:
- Cylinder dogging, shim kit #723, sex nuts and bolts, less bottom rod (LBR), -9, -10 opening height, rod extensions, bottom pullman latch (panic only), MicroShield®, Lumi-Lite®.

Warranty:
- 5-year limited
mortise

7130(F)

The 7130(F) is an exit device integrated with the Yale® 8700 Series Mortise Lock for use on single doors or active leaf of a pair of doors where life safety and extra security are required. The 8700 Series Mortise Lock used is modified for use with exit devices only.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(4’ x 8’ single, 8’ x 8’ pairs, 3 hr.)
(4’ x 9’ single, 8’ x 9’ pairs, 1-1/2 hr.)

ANSI/BHMA Certified: A156.3 Type 3, Grade 1

features

• Designed for wide stile and flush doors
• Handed; specify hand
• Two-piece mechanical 3/4" throw deadlocking stainless steel latchbolt
• Easily disassembles for maintenance and service
• Available in double cylinder function

applications

• Single swing doors
• Pairs of doors with vertical rod devices or automatic flush bolts
• Metal, wood or compatible door materials

specifications

Door Opening Width: -24 for 24” (60cm) doors
-36 for 30” - 36” (76cm - 91cm) doors
-48 for 36” - 48” (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Thickness: 1-3/4” (44mm) standard. 2” and 2-1/4” (51mm and 57mm) optional; specify when ordering.

Minimum Stile Width: 4-1/2” (114mm)

Projection: 3-1/4” (83mm) active, 2-3/4” (70mm) dogged

Latchbolt: Two piece mechanical 3/4” (19mm) deadlocking stainless steel with anti-friction insert and auxiliary deadlocking latch


Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.


Dogging: Hex key dogging supplied standard on panic devices

Options: Cylinder dogging, shim kit #723, sex nuts and bolts, MicroShield®, Lumi-Lite®

Warranty: 5-year limited
7200 series applications

Introduction

7200 Series narrow stile exit devices are designed for aluminum openings and are compatible with the aesthetics and functional requirements of contemporary glass doors. The device features lines chosen by leading architects and is available with the proven SquareBolt® exit device for increased security.

Applications

<table>
<thead>
<tr>
<th>Single Door</th>
<th>UL Listing</th>
<th>Maximum Opening</th>
<th>Application</th>
</tr>
</thead>
<tbody>
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<td><strong>SquareBolt®</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>7250</td>
<td>Panic</td>
<td>4' x *</td>
<td>Surface applied; single-point latching.</td>
</tr>
<tr>
<td><strong>Rim</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7200</td>
<td>Panic</td>
<td>4' x *</td>
<td>Surface applied; single-point latching.</td>
</tr>
<tr>
<td><strong>Surface Vertical Rod</strong></td>
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<td></td>
</tr>
<tr>
<td>7210</td>
<td>Panic</td>
<td>4' x 10'</td>
<td>Surface applied; two-point latching.</td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod</strong></td>
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</tr>
<tr>
<td>7220</td>
<td>Panic</td>
<td>4' x 10'</td>
<td>Rods concealed in door; two-point latching.</td>
</tr>
<tr>
<td><strong>Pair of Doors</strong></td>
<td>UL Listing</td>
<td>Maximum Opening</td>
<td>Application</td>
</tr>
<tr>
<td><strong>Surface Vertical Rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7210 x 7210</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent doors with two-point latching, swinging in the same direction.</td>
</tr>
<tr>
<td><strong>Surface Vertical Rod (Double Egress)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7210 x 7210</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent doors with two-point latching, swinging in opposite directions.</td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7220 x 7220</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent metal doors with two-point latching, swinging in the same direction.</td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod (Double Egress)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7220 x 7220</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent metal doors with two-point latching, swinging in opposite directions.</td>
</tr>
<tr>
<td><strong>Pair of Doors with Removable Mullion</strong></td>
<td>UL Listing</td>
<td>Maximum Opening</td>
<td>Application</td>
</tr>
<tr>
<td><strong>SquareBolt® x SquareBolt®</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7250 x 7250 x M300</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent active doors with removable mullion.</td>
</tr>
<tr>
<td><strong>Rim x Rim</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7200 x 7200 x M300</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent active doors with removable mullion.</td>
</tr>
</tbody>
</table>

*UL does not set a door height limitation on panic applications.
SquareBolt®

7250

The unique construction of the SquareBolt exit device offers innovative protection. The patented square latchbolt design provides an improved physical barrier over standard pullman-type rim latchbolts. It locks into place and stays there. Credit cards, crowbars, door rattling and shaking are resisted, significantly reducing the threat of unauthorized entry, especially in applications that include removable mullions. The 7250 SquareBolt is designed for narrow stile doors.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
ANSI/BHMA Certified: A156.3, Type 4 or 28, Grade 1
U.S. Patent #: 5,605,362

features

- Patented SquareBolt security deadbolt (Pat. no. 5,605,362) designed for maximum holding power
- Non-handed for easy installation
- Maintains the look of the Yale® 7200 series architectural exit devices, allowing for continuity in both design and finish
- Fully adjustable surface mounted 3/8” diameter roller strike complete with positive locking plate and shims
- Used with narrow stile trim

applications

- Single swing narrow stile doors
- Pairs of narrow stile doors with removable mullions
- Metal and aluminum doors
- For panic-rated doors only

specifications

Door Opening Width:
- -24 for 24” (60cm) doors
- -36 for 30” - 36” (76cm - 91cm) doors
- -48 for 36” - 48” (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.
Door Thickness: 1-3/4” (44mm) standard. 2” and 2-1/4” (51mm and 57mm); specify when ordering.
Minimum Stile Width: 2” (51mm)
Projection: 3-1/4” (83mm) active, 2-3/4” (70mm) dogged
Deadbolt: Patented 1” (25mm) slide projection bolt with full 3/4” (19mm) projection
Strike: Standard: 759. Optional: 793 (double door applications, panic only)
Fasteners: Machine screws standard for panic hardware
Dogging: Hex key dogging supplied standard
Options: Cylinder dogging, shim kit #723NS, sex nuts and bolts, MicroShield®, Lumi-Lite®
Warranty: 5-year limited
7000 series | architectural exit devices

rim

7200

The 7200 is a narrow stile rim exit device compatible with the aesthetics and functional requirements of contemporary doors. The 7200 comes in varied finishes and can be combined with a variety of trims to match any desired style.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
ANSI/BHMA Certified: A156.3, Type 4, Grade 1

features

- Designed for narrow stile doors
- 3/4" throw deadlocking stainless steel pullman latch
- Non-handed for easy installation

applications

- Single swing narrow stile doors
- Pairs of narrow stile doors with removable Mullions
- Metal and aluminum doors
- For panic-rated doors only

specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
</table>
| Door Opening Width     | -24 for 24" (60cm) doors  
                        | -36 for 30" - 36" (76cm - 91cm) doors  
                        | -48 for 36" - 48" (91cm - 122cm) doors  
                        |
| Door Thickness         | 1-3/4" (44mm) standard. 2" (51mm) and 2-1/4" (57mm); specify when ordering. |
| Minimum Stile Width    | 2" (51mm) |
| Projection             | 3-1/4" (83mm) active, 2-3/4" (70mm) dogged |
| Latchbolt              | 3/4" (19mm) deadlocking stainless steel pullman type. |
| Strike                 | Standard: 759. Optional: 793 (double door applications, panic only) |
| Fasteners              | Machine screws standard for panic hardware |
| Trims                  | 500F series escutcheon trim, 510F series pull/thumbpiece trim, 480F series offset pull trim. See pages 30-31. |
| Dogging                | Hex key dogging supplied standard |
| Options                | Cylinder dogging, shim kit #723NS, sex nuts and bolts, MicroShield®, Lumi-Lite® |
| Warranty               | 5-year limited |

MicroShield® and Lumi-Lite® are registered trademarks of the Yale Company.
surface vertical rod

7210

The 7210 is a narrow stile surface vertical rod exit device to be used on narrow stile, aluminum and metal doors where two-point latching is desired.

features

• Designed for narrow stile doors
• Handed. Specify hand (field reversible)
• Bottom deadbolt for secure latching
• Fully adjustable roller strike

applications

• Pairs of narrow stile doors
• Metal and aluminum doors
• For panic-rated doors only

specifications

Door Opening Width: -24 for 24" (60cm) doors
-36 for 30" - 36" (76cm - 91cm) doors
-48 for 36" - 48" (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Opening Height: Standard door height 7' (213mm), with the device centerline at 39-15/16" (101cm) from floor.
Optional heights specify suffix -8, -9, -10.

Door Thickness: 1-3/4" (44mm) standard. 2" (51mm) and 2-1/4" (57mm); specify when ordering.

Minimum Stile Width: 2" (51mm).

Projection: 3-1/4" (83mm) active, 2-3/4" (70mm) dogged

Latchbolt: Top: 3/4" (19mm) stainless steel throw, pullman-type with automatic deadlatching. Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods: 1/2" (13mm) O.D. tubular brass, bronze or stainless steel with rod guides.


Fasteners: Machine screws standard for panic hardware.


Dogging: Hex key dogging supplied standard

Options: Cylinder dogging, shim kit #724, sex nuts and bolts, -8, -9, -10 opening height, rod extensions, bottom pullman latch, MicroShield®, Lumi-Lite®

Warranty: 5-year limited
concealed vertical rod

7220

The 7220 is a narrow stile concealed vertical rod exit device to be used on narrow stile, aluminum and metal doors where two-point latching is desired.

features

- Designed for narrow stile doors
- Handed. Specify hand (field reversible)
- Bottom deadbolt for secure latching
- Fully adjustable roller strike

applications

- Pairs of narrow stile doors
- Metal and aluminum doors
- For panic-rated doors only

specifications

- Door Opening Width: -24 for 24" (60cm) doors
  -36 for 30" - 36" (76cm - 91cm) doors
  -48 for 36" - 48" (91cm - 122cm) doors
- Optional sizes can be special ordered. Consult Technical Product Support.

- Door Opening Height: Standard door height adjustable to 8' (244cm), with the device centerline at 39-15/16" (101cm) from floor. Optional heights specify suffix -9, -10

- Door Thickness: 1-3/4" (44mm) standard. 2" (51mm) and 2-1/4" (57mm); specify when ordering.

- Minimum Stile Width: 2" (51mm).

- Projection: 3-1/4" (83mm) active, 2-3/4" (70mm) dogged

- Latchbolt: Top: 3/4" (19mm) stainless steel throw, pullman-type with automatic deadlatching. Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

- Vertical Rods: 1/2" (13mm) O.D. telescoping tubular rods


- Fasteners: Machine screws standard for panic hardware.


- Dogging: Hex key dogging supplied standard

- Options: Cylinder dogging, shim kit #723NS, sex nuts and bolts, -9, -10 opening height, rod extensions, bottom pullman latch, MicroShield®, Lumi-Lite®

- Warranty: 5-year limited
7200M series applications

Introduction
The 7200M series combines the appearance of the 7200 narrow stile series with the life safety and fire rating options of the 7100 series. This unique narrow design exit device may be used on wide or flush stile doors and is available with a wide range of mechanical and SecureX® electromechanical options including, electric latch pullback and monitoring features. The 7200M series is not to be used on narrow stile applications.

Applications

<table>
<thead>
<tr>
<th>Single Door</th>
<th>UL Listing</th>
<th>Maximum Opening</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SquareBolt®</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7250M</td>
<td>Panic</td>
<td>4' x *</td>
<td>Surface applied; single-point latching.</td>
</tr>
<tr>
<td>7250MF</td>
<td>3 Hr.</td>
<td>4' x 8'</td>
<td></td>
</tr>
<tr>
<td>7250MWS</td>
<td>Panic</td>
<td>4' x 8'</td>
<td>Surface applied; single-point latching. Used as components in swinging door windstorm-rated assemblies (refer to local codes).</td>
</tr>
<tr>
<td>7250MFWS</td>
<td>3 Hr.</td>
<td>4' x 8'</td>
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</tr>
<tr>
<td><strong>Rim</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>7200M</td>
<td>Panic</td>
<td>4' x *</td>
<td>Surface applied; single-point latching.</td>
</tr>
<tr>
<td>7200MF</td>
<td>3 Hr.</td>
<td>4' x 8'</td>
<td></td>
</tr>
<tr>
<td><strong>Surface Vertical Rod</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>7210M</td>
<td>Panic</td>
<td>4' x 10'</td>
<td>Surface applied; one- or two-point latching.</td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>7220M</td>
<td>Panic</td>
<td>4' x 10'</td>
<td>Rods concealed in door; one- or two-point latching.</td>
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</table>

*UL does not set a door height limitation on panic applications.

<table>
<thead>
<tr>
<th>Pair of Doors with Removable Mullion</th>
<th>UL Listing</th>
<th>Maximum Opening</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SquareBolt® x SquareBolt®</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7250M x 7250M x M200</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent active doors with removable mullion.</td>
</tr>
<tr>
<td>7250MF x 7250MF x M200F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
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<tr>
<td>7250MWS x 7250MWS x M200FWS</td>
<td>Panic</td>
<td>8' x 8'</td>
<td>Two independent active doors with removable mullion. Used as components in swinging door windstorm-rated assemblies (refer to local codes).</td>
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<tr>
<td>7250MFWS x 7250MFWS x M200FWS</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
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<tr>
<td><strong>Rim x Rim</strong></td>
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<tr>
<td>7200M x 7200M x M200</td>
<td>Panic</td>
<td>8' x 10'</td>
<td>Two independent active doors with removable mullion.</td>
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<tr>
<td>7200MF x 7200MF x M200F</td>
<td>3 Hr.</td>
<td>8' x 8'</td>
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</table>
### 7200M series applications

<table>
<thead>
<tr>
<th>Pair of Doors</th>
<th>UL Listing</th>
<th>Maximum Opening</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Surface Vertical Rod</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>7210M x 7210M</td>
<td>Panic</td>
<td>8’ x 10’</td>
<td>Two independent doors with two-point latching, swinging in the same direction.</td>
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<tr>
<td>7210MF x 7210MF</td>
<td>3 Hr.</td>
<td>8’ x 8’</td>
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<tr>
<td><strong>Surface Vertical Rod (Double Egress)</strong></td>
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<tr>
<td>7210M x 7210M</td>
<td>Panic</td>
<td>8’ x 10’</td>
<td>Two independent doors with two-point latching, swinging in opposite directions.</td>
</tr>
<tr>
<td>7210MF x 7210MF</td>
<td>3 Hr.</td>
<td>8’ x 8’</td>
<td></td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7220M x 7220M</td>
<td>Panic</td>
<td>8’ x 10’</td>
<td>Two independent metal doors with two-point latching, swinging in the same direction.</td>
</tr>
<tr>
<td>7220MF x 7220MF</td>
<td>3 Hr.</td>
<td>8’ x 8’</td>
<td></td>
</tr>
<tr>
<td><strong>Concealed Vertical Rod (Double Egress)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7220M x 7220M</td>
<td>Panic</td>
<td>8’ x 10’</td>
<td>Two independent metal doors with two-point latching, swinging in opposite directions.</td>
</tr>
<tr>
<td>7220MF x 7220MF</td>
<td>3 Hr.</td>
<td>8’ x 8’</td>
<td></td>
</tr>
</tbody>
</table>
SquareBolt®
7250M(F)

The unique construction of the 7250M(F) SquareBolt exit device offers innovative protection while maintaining the appearance of a narrow stile exit device. The patented square latchbolt design provides an improved physical barrier over standard pullman-type latchbolts. The 7250M(F) SquareBolt is designed for wide stile or flush doors and provides design continuity of the 7200 series exit devices.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(4' x 8' single, 8' x 8' pairs, 3 hr.)
ZHEM - Latching hardware
ZHLA - Windstorm rated assemblies

ANSI/BHMA Certified: A156.3, Type 4 or 28, Grade 1
U.S. Patent #: 5,605,362

features

• Patented SquareBolt security deadbolt (Pat. no. 5,605,362) designed for maximum holding power
• Non-handed for easy installation
• Maintains the look of the Yale® 7200 series architectural exit devices, allowing for continuum in both design and finish
• Fully adjustable surface mounted 3/8" diameter roller strike complete with positive locking plate and shims
• Used with narrow stile trim
• Available certified hurricane resistant (refer to local codes). Specify 7250M(F)WS

applications

• Single swing doors
• Pairs of doors with removable mullions
• Metal, wood or composite door materials

specifications

Door Opening Width: -24 for 24' (60cm) doors
-36 for 30' - 36' (76cm - 91cm) doors
-48 for 36' - 48' (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Thickness: 1-3/4" (44mm) standard. 2" (51mm) and 2-1/4" (57mm); specify when ordering.

Minimum Stile Width: 4-1/2" (114mm)

Projection:
3-1/4" (83mm) active, 2-3/4" (70mm) dogged

Deadbolt: Patented 1' (25mm) slide projection bolt with full 3/4" (19mm) projection

Strike: 757F, 793 optional (double door application, panic only)

Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.


Dogging: Hex key dogging supplied standard on panic devices

Options: Cylinder dogging, shim kit #723NS, sex nuts and bolts, MicroShield®, Lumi-Lite®

Warranty: 5-year limited
7000 series | architectural exit devices

rim

7200M(F)

The 7200M(F) rim exit device provides the appearance of a narrow stile rim exit device for use on wide stile or flush doors. Utilizing the 7200M(F) with narrow stile trim provides design continuity and pleasing aesthetics when matching exit devices for inside doors to outside narrow stile doors.

Ul/cUL Listed: FVSR/FVSR7 - Panic hardware
Gxhx/Gxhx7 - Fire exit hardware (F)
(4’ x 8’ single, 8’ x 8’ pairs, 3 hr.)

ANSI/BHMA Certified: A156.3, Type 4, Grade 1

features
• Narrow stile appearance designed for wide stile or flush doors
• 3/4” throw deadlocking stainless steel pullman latchbolt
• Non-handed for easy installation
• Fully adjustable surface mounted 3/8” diameter roller strike complete with positive locking plate and shims

applications
• Single swing doors
• Pairs of doors with removable mullions
• Metal, wood or composite door materials

specifications
Door Opening Width: -24 for 24” (60cm) doors
-36 for 30” - 36” (76cm - 91cm) doors
-48 for 36” - 48” (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Thickness: 1-3/4” (44mm) standard. 2” (51mm) and 2-1/4” (57mm); specify when ordering.

Minimum Stile Width: 4-1/2” (114mm)

Projection: 3-1/4” (83mm) active, 2-3/4” (70mm) dogged

Latchbolt: 3/4” (19mm) deadlocking stainless steel pullman type
Strike: 757F, 793 optional (double door application, panic only)

Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.


Dogging: Hex key dogging supplied standard on panic devices
Options: Cylinder dogging, shim kit #723NS, sex nuts and bolts, MicroShield®, Lumi-Lite®

Warranty: 5-year limited
### surface vertical rod

**7210M(F)**

The 7210M(F) is a narrow appearance surface vertical rod exit device to be used on wide stile and flush metal or wood doors where two-point latching is desired.

### certification/compliance

- **UL/cUL Listed:** FVSR/FVSR7 - Panic hardware  
  GXHX/GXHX7 - Fire exit hardware (F)  
  (8’ x 8’ pairs, 3 hr.)
- **ANSI/BHMA Certified:** A156.3, Type 5, Grade 1

### features

- Narrow stile appearance designed for wide stile doors
- Handed. Specify hand (field reversible)
- Fully adjustable roller strike

### applications

- Pairs of doors
- Double egress
- Metal, wood or composite door materials

### specifications

| Door Opening Width: | -24 for 24’ (60cm) doors  
|                     | -36 for 30’ - 36’ (76cm - 91cm) doors  
|                     | -48 for 36’ - 48’ (91cm - 122cm) doors  
| Optional sizes can be special ordered. Consult Technical Product Support. |
| Door Opening Height: | Standard door height 7’ (213mm), with the device centerline at 39-15/16” (101cm) from floor.  
| Optional heights specify suffix -8 (fire and panic), -9, -10 (panic only). |
| Minimum Stile Width: | 1-3/4” (44mm) standard. 2’ (51mm) and 2-1/4” (57mm); specify when ordering. |
| Projection: | 3-1/4” (83mm) active, 2-3/4” (70mm) dogged |
| Latchbolt: | Top: 3/4” (19mm) stainless steel throw, pullman-type with automatic deadlatching.  
| Bottom: 5/8” (16mm) throw deadbolt, held retracted during door swing. |
| Vertical Rods: | 1/2” (13mm) O.D. tubular brass, bronze or stainless steel with rod guides. |
| Fasteners: | Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware. |
| Dogging: | Hex key dogging supplied standard on panic devices |
| Options: | Cylinder dogging, shim kit #724NS, sex nuts and bolts, bottom pullman latch (panic only), -8, -9, -10 opening height, rod extensions, MicroShield®, Lumi-Lite® |
| Warranty: | 5-year limited |
concealed vertical rod

7220M(F)

The 7220M(F) is a narrow appearance concealed vertical rod exit device for wide stile and flush metal doors only and is to be utilized where two-point latching is desired.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(8' x 8' pairs, 3 hr.)

ANSI/BHMA Certified: A156.3, Type 8, Grade 1

features

• Narrow stile look designed for wide stile doors
• Handed. Specify hand (field reversible)
• Bottom deadbolt for secure latching
• Fully adjustable roller strike

applications

• Pairs of doors
• Double egress
• Metal doors only

specifications

Door Opening Width: -24 for 24" (60cm) doors
-36 for 30" - 36" (76cm - 91cm) doors
-48 for 36" - 48" (91cm - 122cm) doors
Optional sizes can be special ordered. Consult Technical Product Support.

Door Opening Height: Standard door height adjustable to 8' (244mm), with the device centerline at 39-15/16" (101cm) from floor. Optional heights specify suffix -9, -10 (panic only).

Door Thickness: 1-3/4" (44mm) standard. 2" (51mm) and 2-1/4" (57mm); specify when ordering.

Minimum Stile Width: 4-1/2" (114mm)

Projection: 3-1/4" (83mm) active, 2-3/4" (70mm) dogged

Latchbolt: Top: 3/4" (19mm) stainless steel throw, pullman-type with automatic deadlatching. Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods: 1/2" (13mm) O.D. telescoping tubular rods.


Fasteners: Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.


Dogging: Hex key dogging supplied standard on panic devices

Options: Cylinder dogging, shim kit #723NS, sex nuts and bolts, bottom pullman latch (panic only), -9, -10 opening height, rod extensions, MicroShield®, Lumi-Lite®

Warranty: 5-year limited
trim designs for escutcheons

<table>
<thead>
<tr>
<th></th>
<th>Arcadia AR</th>
<th>Augusta AU</th>
<th>Carmel CR</th>
<th>Jefferson JN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projection:</td>
<td>3-1/4&quot; (82mm)</td>
<td>2-5/8&quot; (61mm)</td>
<td>3-1/8&quot; (79mm)</td>
<td>2-9/16&quot; (65mm)</td>
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<tr>
<td></td>
<td>Monroe MO</td>
<td>Pacific Beach PB</td>
<td>Pinehurst PN</td>
<td>Virginia VI</td>
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<tr>
<td>Projection:</td>
<td>3&quot; (76mm)</td>
<td>3-5/16&quot; (84mm)</td>
<td>3-1/16&quot; (78mm)</td>
<td>3-1/8&quot; (79mm)</td>
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<td></td>
<td>Hampton HA</td>
<td>Copenhagen CO</td>
<td>Litchfield LF</td>
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<tr>
<td>Projection:</td>
<td>3-3/8&quot; (86mm)</td>
<td>3-1/2&quot; (90mm)</td>
<td>2-7/8&quot; (73mm)</td>
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Note: Projection dimensions are provided using the 620F series escutcheon plates.

**Reflections®**

<table>
<thead>
<tr>
<th>Hudson</th>
<th>TB</th>
<th>UB</th>
<th>TC</th>
<th>UC</th>
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<tbody>
<tr>
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<td>3-1/4&quot; (83mm)</td>
<td>3&quot; (76mm)</td>
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<td>TE</td>
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<td>3-3/8&quot; (85mm)</td>
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<td>3-1/2&quot; (89mm)</td>
<td>3&quot; (76mm)</td>
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</tbody>
</table>

Note: Projection dimensions are provided using the 620F series escutcheon plates.
7100 series trims

620F and 650F series escutcheon trim

- Certified ANSI/BHMA A156.3, Grade 1.
- Trim through-bolts to exit device for strength.
- Beveled sides improve attack resistance.
- Solid forged escutcheon and Free-Wheeling trim resists vandalism and abuse.
- Flush cylinder in 6-pin applications for additional security.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Dimensions: 3" x 10-1/4" x 13/16" (76mm x 260mm x 19mm).
- Cylinders not included. See page 42 & 44 for cylinder options. 1-1/2" mortise cylinder required for mortise trim.

<table>
<thead>
<tr>
<th>Application</th>
<th>Cylinder</th>
<th>Classroom/ Storeroom Cylinder Controls</th>
<th>Thumbturn</th>
<th>Exit Only</th>
<th>Blank Plate</th>
<th>Nightlatch</th>
<th>Access by Key</th>
<th>Classroom/ Storeroom Cylinder Controls</th>
<th>Nightlatch Cylinder by Knob</th>
<th>Passage Active Knob</th>
<th>Dummy Trim Rigid Knob</th>
<th>Classroom Cylinder Controls</th>
<th>Storeroom Cylinder Controls</th>
<th>Nightlatch Cylinder by Lever</th>
<th>Dummy Trim Free-Wheeling</th>
<th>Dummy Rigid Lever</th>
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<tbody>
<tr>
<td>7100(F)</td>
<td>Rim</td>
<td>603F1</td>
<td>620F</td>
<td>621F1</td>
<td>622F1</td>
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<td>7110(F)</td>
<td>Mortise</td>
<td>—</td>
<td>620F</td>
<td>651F</td>
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<td>651F</td>
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</tr>
</tbody>
</table>

1. 09, 12 and Free Wheeling 02 achieved with single trim modification at installation.
2. Not recommended for use with vertical rod devices.
3. 08 only

For 626, 629 & 630 finishes the escutcheon is plated to simulate stainless steel.
Free-Wheeling is not available on mortise trim.
For 620F series trim, optional door thickness available up to 4-1/2", specify on order.
630F, 660F and 670F series pull/thumbpiece trim

- Certified ANSI/BHMA A156.3, Grade 1.
- Trim through-bolts to exit device for strength.
- Beveled sides improve attack resistance.
- Solid forged escutcheon resists vandalism and abuse.
- Flush cylinder in 6-pin applications for additional security.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Plate Dimensions: 2-3/4" x 15-1/2" x 5/8" (70mm x 394mm x 16mm).
- Pull Dimensions: 6-7/16' (164mm) on centers x 2-1/8" (54mm) projection.
- Cylinders not included. See page 42 & 44 for cylinder options. 1-1/2" mortise cylinder required for mortise trim.
- Finishes: 605, 606, 609, 612, 613, 616, 619, 620, 626, 629, 630, 693, 722
- Trim ordering example: 630F x 630
- 5-year limited warranty.

For 626, 629 & 630 finishes the escutcheon is plated to simulate stainless steel.

680F series offset pull trim

- 1-3/4" (44mm) door standard. For doors through 2-1/4" (54mm) or shim-mounted devices, specify on order.
- Plate Dimensions: 3" x 10-1/4" x 13/16" (76mm x 260mm x 21mm)
- Pull Dimensions: 7-1/4" (184mm) on centers x 2-13/32" (61mm) projection.
- Trim through-bolts to exit device for strength.
- Beveled sides improve attack resistance.
- Solid forged escutcheon resists vandalism and abuse.
- Flush cylinder in 6-pin applications for additional security.
- Cylinders not included. See page 42 & 44 for cylinder options. 1-1/2" mortise cylinder required for mortise trim.
- Finishes: 605, 606, 609, 611, 612, 613, 616, 619, 620, 626, 629, 630, 693, 722
- Trim ordering example: 681F x 630 x LHR
- 5-year limited warranty
7100 series trims

540F series rose trim

- Certified ANSI/BHMA A156.3, Grade 1.
- 540F rose trim for stock doors (161 Prep).
- Trim through-bolts to exit device for strength.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- AU, PB, MO and CA trim designs. See below.
- Accepts cylindrical type cylinders. Cylinders included, see page 43 for cylinder options.
- Finishes: 605, 606, 609, 612, 613, 616, 619, 620, 625, 626, 693, 722
- “B” trim prefix - Lever trim accepting all small format interchangeable cores. 6- or 7-pin (Example: B-AU546F)
- “M” trim prefix - Lever trim accepting Medeco® (32 series) and ASSA® large format interchangeable cores. Available in AU lever only. 6-pin only. (Example: M-AU546F)
- “S” trim prefix - Lever trim accepting Schlage® standard cylinders. 6-pin only. (Example: S-AU546F)
- “SI” trim prefix - Lever trim accepting Schlage® large format interchangeable cores. 6-pin only. (Example: SI-AU546F)
- 3-year limited warranty.

121NL cylinder only

- Application: 7100(F) and 7150(F) rim and SquareBolt® exit devices. Not recommended for surface or concealed vertical rod devices.
- Must specify rim cylinder when ordering. See page 42 for cylinder options.
- Cylinder collar 1765.250 furnished standard for 1-3/4" thick doors.
- For 1109, 5109, K300, K640, A640 and 2109 cylinders:
  - Screw part number 34-2311-8738-048
  - Backplate part number 34-0010-1015-059
- For 1193, 5193 and K840 cylinders:
  - Screw part number 10-1193-1018-048
  - Backplate part number 34-0010-1015-059

<table>
<thead>
<tr>
<th>Applications</th>
<th>Nightlatch Access by Key</th>
<th>Classroom Cylinder Controls Lever</th>
<th>Passage Lever</th>
<th>Dummy Trim Free-Wheeling Lever</th>
<th>Dummy Trim Rigid Lever</th>
<th>Classroom Cylinder Controls Knob</th>
<th>Dummy Trim Free-Wheeling Knob</th>
<th>Passage Knob</th>
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</thead>
<tbody>
<tr>
<td>7100(F), 7150(F), 7110(F), 7120(F), 7160(F), 7170(F)</td>
<td>541F</td>
<td>546F</td>
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<td>14</td>
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Function Description

<table>
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<th>Nightlatch Access by Key</th>
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<td>ANSI</td>
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Applications

- Classroom Cylinder Controls Lever
- Passage Lever
- Dummy Trim Free-Wheeling Lever
- Dummy Trim Rigid Lever
- Classroom Cylinder Controls Knob
- Dummy Trim Free-Wheeling Knob
- Passage Knob
7200 & 7200M series trims

500F series escutcheon trim

- Certified ANSI/BHMA A156.3, Grade 1.
- Trim through-bolts to exit device for strength.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Dimensions: 1-5/8" x 9-1/2" x 1/4" (41mm x 241mm x 6mm)
- Cylinders not included. See page 42 for cylinder options.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Nightlatch Access by Key</th>
<th>Exit Only Blank Plate</th>
<th>Nightlatch Access by Key</th>
<th>Classroom/ Storeroom Cylinder Controls</th>
<th>Knob</th>
<th>Classroom/ Storeroom Cylinder Controls</th>
<th>Thumbturn</th>
<th>Passage</th>
<th>Dummy Trim</th>
<th>Classroom/ Storeroom Cylinder Controls</th>
<th>Lever</th>
<th>Passage</th>
<th>Passage or Dummy</th>
<th>Dummy Trim</th>
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<tbody>
<tr>
<td>7200, 7210, 7220, 7250, 7200M(F), 7210M(F), 7220M(F), 7250M(F)</td>
<td>121NL²</td>
<td>500F</td>
<td>501F¹</td>
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<td>14/02</td>
<td>02</td>
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</tr>
</tbody>
</table>

¹ 09, 12 and Free-Wheeling 02 achieved with simple trim modification at installation.
² Not recommended for use with vertical rod devices.

510F series pull/thumbpiece trim

- Certified ANSI/BHMA A156.3, Grade 1.
- Trim through-bolts to exit device for strength.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Plate Dimensions: 1-5/8" x 15-1/4" x 5/8" (41mm x 387mm x 16mm).
- Pull Dimensions: 6-7/16" (164mm) on centers x 2-1/8" (54mm) projection.

- Accepts rim cylinders. Cylinders not included. See page 42 for cylinder options.
- Finishes: 605, 606, 609, 611, 612, 613, 616, 619, 620, 626, 629, 630, 693, 722
- Trim ordering example: 512F x 630
- 1-year limited warranty.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Nightlatch Access by Key</th>
<th>Classroom/ Storeroom Cylinder Controls</th>
<th>Thumbturn</th>
<th>Dummy Trim</th>
<th>Passage</th>
<th>Classroom/ Storeroom Cylinder Controls</th>
<th>T-Piece</th>
<th>Passage</th>
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<tbody>
<tr>
<td>7200, 7210, 7220, 7250, 7200M(F), 7210M(F), 7220M(F), 7250M(F)</td>
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<td>514F</td>
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<td>16</td>
<td>05/06</td>
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</tbody>
</table>

¹ Not recommended for use with vertical rod devices.
7200 & 7200M series trims

480F series offset pull trim

- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Plate Dimensions: 1-3/4" x L x 3/16" (44mm x L x 5mm) L = Overall plate length is 2-1/4" (57mm) longer than pull dimension.
- Pull Dimensions:
  - 480F and 481F trim have a 7-1/4" (184mm) pull length on centers which through-bolts to exit device for strength.
  - 482F and 483F trim have a 9" (229mm) pull length on centers and are not through-bolted to allow pulls of different lengths to be utilized. Longer lengths of 15" (381mm), 18" (457mm) and up to 30" (762mm) are available.
- 2-13/32" (61mm) projection.
- Cylinders not included. See page 42 for cylinder options.
- Finishes: 605, 606, 609, 611, 612, 613, 616, 619, 620, 626, 629, 630, 693, 722
- Trim ordering example: 481F x 630 x LHR
- 1-year limited warranty

<table>
<thead>
<tr>
<th>Applications</th>
<th>Cylinder</th>
<th>Dummy Pull</th>
<th>Nightlatch Access by Key</th>
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<tbody>
<tr>
<td>7200, 7210, 7220, 7250, 7200M(F), 7210M(F), 7220M(F), 7250M(F)</td>
<td>Rim</td>
<td>480F</td>
<td>481F*</td>
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<tr>
<td>ANSI</td>
<td>--</td>
<td>482F</td>
<td>483F*</td>
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</tbody>
</table>

*Not recommended for use with vertical rod exit devices.

For 626, 629 & 630 finishes the escutcheon is plated to simulate stainless steel.
SecureX® electrified options

The Yale® 7000 Series exit devices offer a complete range of electrical options. A continuity in appearance, security and functions with the 7000 Series mechanical exit device is maintained. These electrified exit devices may be integrated into the monitoring security and alarm systems of most buildings.

electrified options

<table>
<thead>
<tr>
<th>Model #</th>
<th>Exit Device Description</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>G</th>
<th>H</th>
<th>O</th>
<th>P</th>
<th>S</th>
<th>SAFE</th>
<th>SECURE</th>
<th>690F</th>
<th>691F</th>
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</thead>
<tbody>
<tr>
<td>7100(F)</td>
<td>Rim Device (Wide)</td>
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<tr>
<td>7110(F)</td>
<td>Surface Vertical Rod (Wide)</td>
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<td>7120(F)</td>
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<td>7130(F)</td>
<td>Mortise Device (Wide)</td>
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<td>7150(F)</td>
<td>Rim SquareBolt® Device (Wide)</td>
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<td>7150(F)WS</td>
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<tr>
<td>7160(F)</td>
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<td>7170(F)WS</td>
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<td>7200(M)(F)</td>
<td>Rim Device (Narrow)</td>
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<tr>
<td>7210(M)(F)</td>
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<tr>
<td>7220(M)(F)</td>
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<tr>
<td>7250(M)(F)</td>
<td>Rim SquareBolt Device (Narrow)</td>
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<td>x</td>
<td>x</td>
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</tr>
</tbody>
</table>

Note: Any combination of the following options cannot be ordered together:
1) P, G, or D  2) B or A  3) D, B or A
*Only available for rim and SquareBolt® Devices when used with Delayed Egress option.

electrified hardware option descriptions

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<tr>
<td>D</td>
<td>Delayed Egress</td>
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<td>G</td>
<td>Electric Dogging</td>
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<td>H*</td>
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<td>Trim Monitor Switch</td>
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<tr>
<td>P</td>
<td>Electric Latch Retraction</td>
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<tr>
<td>S</td>
<td>Latchbolt Position Monitor</td>
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<tr>
<td>SAFE</td>
<td>Fail Safe Operation (Mortise)</td>
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<tr>
<td>SECURE</td>
<td>Fail Secure Operation (Mortise)</td>
</tr>
<tr>
<td>690F</td>
<td>Fail Safe Electrified Trim</td>
</tr>
<tr>
<td>691F</td>
<td>Fail Secure Electrified Trim</td>
</tr>
</tbody>
</table>

What normally took an hour or more to connect now takes minutes. Yale electrified exit devices and trims are equipped with ElectroLynx® connectors. As a standard feature, these “plug & play” connectors link power from the incoming source to electrified locking products, including hinges, locks, exit devices, magnetic holders and strikes.

Note: Electrified door hardware with ElectroLynx® connectors require a compatible number of lead wires attached to the door hinge.
SecureX® electrified options

**electric latch retraction “P”**

**Operation**
Allows the latchbolt to be retracted electrically for momentary or maintained periods of time from a remote location. Device bolts remain retracted (push/pull) for as long as the device is energized. Removal of power returns the device to the life safety, self-latching mechanical mode. Easy interface with central or local fire alarm systems, automatic door operators, and access control systems. Allows free egress at all times. Manual hex key dogging standard on non-rated devices.

**Electrical Specifications**

- **Solenoid Assembly**
  - Continuous duty
  - 5.5 volt solenoid with a 36-volt holding magnet (.172 amp seated)
  - 9 amp inrush
  - Requires a 4-wire minimum pivot or hinge to transfer power from frame to door.
  - Requires the 781N controller for operation (USING ANY OTHER POWER SUPPLY VOIDS THE WARRANTY OF THE DEVICE.)

**Listings**
UL/cUL listed for panic and fire exit hardware. Fire-rated devices must be wired into an automatic fire alarm system.

**Applications**
Rim: 7100(F), 7200, 7200M(F)
SquareBolt: 7150(F), 7250, 7250M(F)
SVR: 7110(F), 7170(F), 7210, 7210M(F)
CVR: 7120(F), 7160(F), 7220, 7220M(F)
Mortise: 7130(F)

**Ordering**
Suffix “P” to the Model Number. Ex: 7100P. Note: Not available on “D” delayed egress exit devices.

**mortise device trim control “safe/secure”**

**Operation**
Allows the outside trim to lock or unlock electrically from a remote location. Exit device allows free egress at all times.

Fail Safe devices are commonly used in stair towers or locations that require the trim to unlock when power is removed or during fire alarm activation.

Fail Secure devices are used to secure openings and are usually integrated into the building security system to allow access control. Fail Secure trims remain locked when power is removed.

**Electrical Specifications**

- **Solenoid**
  - .35 amps @ 24VDC only (12 volt not available)
  - Continuous duty
  - Requires a 2-wire pivot or hinge and a standard 24VDC regulated and filtered power source (Recommended BPS power supplies)

**Listings**
UL/cUL listed for panic and fire exit hardware.

**Applications**
Mortise: 7130(F) - lever functions only

**Ordering**
“Safe” – Maintains the outside trim in a locked state when energized. Removal of power unlocks outside trim. “Secure” – Unlocks the outside trim when energized. Remains locked when power is removed.

Suffix “SAFE” or “SECURE” to the Model Number. Ex: 7130 x L5 x Safe.
SecureX® electrified options

Operation
An exit door is normally closed and latched. The delayed egress device secures the door in the locked mode with the Red LED indicating locked mode status. Depressing the pushpad for less than three seconds will cause the device to beep without initiating the alarm. Depressing the pushpad for three seconds or longer will initiate an irreversible local audible beeping tone and a visual amber indicator. The person depressing the pushpad is denied egress for 15 or 30 seconds while alarm signals unauthorized egress. After the factory-set delay time (15 or 30 seconds), the device releases for egress, the LED changes to Green and the beep changes to a steady tone which continues to alarm until reset. The remote monitoring contact outputs can be used to alert security personnel.

Note: The 15-second time delay is standard. (Optional 30-seconds may be accepted by local jurisdiction.)

Electrical Specifications
- Input Voltage 24VDC (+/- 10%)
- Power Consumption:
  - Standard Device: 500 mA
  - Device with Security Package: 750 mA
  - Device with Electric Mortise Trim Control: 1.25 Amps

Certifications & Listings
- UL/cUL Listed: FUKD/FUKD7 - Controlled Exit Panic Devices
- FWAX/FWAX7 - Special Locking Arrangements
- GXHX/GXHX7 - Fire Exit Hardware
- ANSI/BHMA Certified: A156.3 & A156.24
- U.S. Patent #: 7,469,942

Applications
- For use on hollow metal interior or exterior doors.
- Available for 7100(F), 7200M(F) and 7200 series rim, SquareBolt®, surface vertical rod, concealed vertical rod and mortise panic and fire-rated exit devices. For surface vertical rod exit devices, rod and latch guards (provided by other) must be used.
- BOCA options available to comply with National Building Code requirements. BOCA option is not suitable for installations in accordance with NFPA 101.
- 1-3/4” door thickness standard; 2” and 2-1/4” optional; specify when ordering.
- Standard 36” device fits doors 35”- 36”. Device cannot be cut less than 35”.
- Option -48 fits doors 41”- 48”. Devices cannot be cut less than 41”.

Standard Features
- Key Switch Operation:
  - Normal: The system is armed by applying power to the device (solid Red LED). Depressing the pushpad for more than the nuisance delay time starts the exit delay cycle.
  - Bypass: Turning the key switch clockwise to the bypass position allows immediate egress without alarming. The bar functions as a standard exit device (Red LED flashes slowly).
  - Reset/Delay: Used to reset device after the factory-set 15 or 30-second delay cycle has timed out. Rearm: If the device is armed, turning the key counterclockwise to the reset mode will release the device without alarm for egress and will rearm after 10 seconds (Red LED flashes quickly).

Local Visual Status Indicator:
- RED: The exit device is secure and the delayed egress circuitry is energized.
- AMBER: The egress cycle has started, indicated by an irreversible local audible beeping tone.
- GREEN: The exit device is in alarm and has released.

Nuisance Delay Time:
- Depressing the pushpad for less than three seconds sounds an audible beep without activating the irreversible alarm sequence. (Immediate alarm can be selected by removing a jumper on the control board.)

Internal Alarm Siren:
- When armed, depressing the pushpad initiates the internal 85db alarm siren.

Remote Control Inputs:
- Remote Reset: Accepts a momentary contact (keyswitch, pushbutton, etc) to reset the unit during alarm or allows momentary egress (10 seconds) when the unit is armed.
- Remote Bypass: Accepts a momentary contact to put the unit in a maintained bypass operation. The exit device functions as a standard device.

Alarm Outputs:
- Two sets of normally open and normally closed contacts. Contacts change only during alarm status. One set of contacts changes when device delay cycle has started (Alarm). One set of contacts changes when device has released (Secure).

Door Sign:
- Door sign per code included.
SecureX® electrified options

**delayed egress “D”**

**Options**

**Security Package “H”:**

- An internal door position switch that gives added security to the opening and is recommended. When using this option the alarm will sound if the door is not closed and latched when arming the device or if the door is forced open when the device is armed.
- To order, suffix “H”.
- NOTE: Available for 7100(F) Rim and 7150(F) SquareBolt® devices only.

**Latchbolt Position Monitor “S”:**

- Used to monitor the positions of the latchbolt or vertical rods (SPDT switch).
- To order, suffix “S”.
- See page 37 for more information.

**Trim Monitor Switch “O”:**

- Used when outside trim is desired. This switch will allow Bypass (disarms device) when the trim is used for ingress. The device will need to be reset upon entry by means of the keyswitch on the device or a remote switch.
- To order, suffix “O”.
- NOTE: If the security package or external DPS is not used, standard trim will allow entry without affecting the device in an armed mode. The device will only be affected when the pushpad is depressed.
- See page 37 for more information.

**NFPA 101 Requirements:**

15- & 30-Second Delay

- Upon depressing the pushpad for 3 seconds, the delayed egress device will sound an audible beeping tone and allow the door to be opened after 15 (or 30) seconds. The tone will then change to a continuous alarm until reset. Resetting of the alarm and re-arming of the device is accomplished by manual means only.
- To order, specify NFPA 15-second or NFPA 30-second.
- Purchase orders that do not have an option noted will default to the NFPA 15-second delay.
- NOTE: Where approved by the authority having jurisdiction, a delay not exceeding 30 seconds shall be permitted.

**BOCA Requirements:**

15- & 30-Second Delay

- Upon depressing the pushpad for 1 second, the delayed egress device will sound an audible beeping tone and allow the door to be opened within 15 (or 30) seconds. The tone will then change to a continuous alarm until reset. Resetting of the alarm and re-arming of the device occurs automatically once the door has been returned to the closed position for 30 seconds. The 30-second re-arming timer will re-start if the pushpad is depressed or the door is re-opened before actual re-arming of the device occurs. A DPS (Door Position Switch) is required for the BOCA option.
- To order specify BOCA 15-second or BOCA 30-second.
- Purchase orders that do not have an option noted will default to the NFPA 15-second delay.
- NOTE: An increase in the egress delay to 30 seconds shall not be permitted except as approved by the authority having jurisdiction.

**Electric Trim Control - “SAFE” or “SECURE”:**

- The mortise delayed egress exit device can be ordered with fail safe or fail secure outside trim operation. In a fire condition the fail safe trim will release for entry. When access control is used the fail secure trim allows entry by means of a remote card reader, keyswitch, pushbutton, etc.
- To order, suffix “Safe” or “Secure”.
- NOTE: The trim will open the door without affecting the device in an armed condition, if a door position switch is not used.

**required accessories**

**Power Supply:**

A regulated and filtered power supply with a fire alarm interface is required. 1 Amp minimum @ 24VDC per device. Special options will require more amperage. Consult factory. Recommend: BPS series.

**Power Transfer:**

Allows the power cable to make the transition from frame to door without pinching or removal of insulation.

**Cylinders**

Utilizes a 1-1/8” mortise cylinder with a 2160 cam. Cylinder not included unless specified. See page 44 & 45.

**Ordering**

Suffix “D” after device.

Example: 7150FD
**Alarm Kit & Electric Trim**

**Alarm Kit “A”**

**Activation:** Alarm is armed by turning key clockwise. Low audible chirp indicates alarm has been activated. Alarm will sound when the exit device pushpad is depressed. Factory preset for standard alarm mode which automatically resets after 5 minutes.

**Continuous Alarm Mode:** Alarm sounds continuous when the exit device pushpad is depressed. Alarm must be manually reset by keyswitch. (This feature is selected by a switch on the circuit board.)

**Low Battery Warning:** Audible chirp.

**Nuisance Alarm:** Factory preset for instant alarm. Selectable feature for alarm to sound when pushpad is depressed for more than 2 seconds. (This feature is selected by a switch on the circuit board.)

**Arming Delay/Authorized Egress:** 10-second delay (after arming) permitting egress (by turning key clockwise).

**Alarm Shunt:** Ingress shunt alarm input for devices with latchbolt position (S) monitor. NOTE: “S” included with SVR devices.

**Power Requirements:** One 9-Volt Battery (included).

**Loudness:** 90db @ 10 feet.

**Arm/Disarm:** Uses one 1-1/8” straight cam mortise cylinder. Clockwise turn arms the alarm, counter clockwise turn disarms or silences the alarm.

**Device Status:** A Red LED indicator will illuminate every 30 seconds when the alarm is armed.

**Tamper Resistant:** Built-in safety monitor sounds alarm when tampering occurs.

**Warning Decal:** “EMERGENCY EXIT - ALARM WILL SOUND”

**Applications:** Rim: 7100(F), 7200, 7200M(F); SquareBolt®: 7150(F), 7250, 7250M(F); SVR: 7110(F), 7170(F), 7210, 7210M(F); CVR: 7120(F), 7160(F), 7220, 7220M(F); Mortise: 7130(F)

**Kit:** Available in kit form for field retrofit.

**Bar Length:** Available for 36”-48” devices only. May not be used on bars less than 36”.

- Standard 36” device fits doors 35”-36” Device cannot be cut less than 35”.
- Option -48 fits doors 41”-48”. Devices cannot be cut less than 41”.

**How to Order:** Specify 7116 for alarm kit. Suffix “-A” when ordering with device. Ex: 7150-A.

**NOTE:** The 7116 alarm kit cannot be retrofitted in the field to the 7110(F), 7170(F), 7210 or 7210M(F) surface vertical rod exit devices. This option is available as a factory order only for these devices. Any attempt to retrofit the 7116 alarm kit with these surface vertical rod exit devices will void the warranties for these products.

---

**Electric Trim**

The electrified 600 series heavy-duty trim provides electric locking and unlocking of trim. Ideal for door control where increased security is necessary at all times, while meeting life safety codes. Electric trim is ideal for many applications, including stairwell towers, high-security areas, schools, hospitals, and factories.

**Functions**

**690F Trim - Fail Safe**

- Lever is locked when power is on (Free-Wheeling)
- Power off allows entry from trim
- Inside device is always active for egress
- Mechanical key override (09 Function - Key allows lever to retract latchbolt. Key can only be removed in locked position)

**691F Trim - Fail Secure**

- Lever is locked when power is off (Free-Wheeling)
- Power on allows lever activation for entry
- Inside device is always active for egress
- Mechanical key override (09 Function - Key allows lever to retract latchbolt. Key can only be removed in locked position)

**Features**

- Accepts all standard and Reflections® decorative lever designs
- Plug connector with 4’ wire lead (Exit device is used as wire raceway, not door)
- Key Override - Requires trim cylinder (sold separately)

**Applications**

- 7100(F) Rim Device
- 7150(F) SquareBolt®
- 7110(F), 7170(F) Surface Vertical Rod

**Electrical Specifications**

- 330 mA @ 24 Volts
- SM - Security Monitor Switch
- 4 AMP @ 250VAC
- Voltage: 24 VAC/VDC only
- BPS series power supplies recommended.

**Options**

- SM - Security Monitor. A SPDT switch that monitors the position of the solenoid (lock and unlock status).
- EX - Trim gasket for exterior applications.
monitors and signal switches

**touchbar monitor “B”**
Provides indication of the pushpad being depressed. Used as a Request to Exit switch to shunt alarm systems, release electromagnetic locks or monitor egress.

**Electrical Specifications:** 4 Amps @ 250VAC contacts
**Listings:** UL/cUL listed for panic and fire exit hardware.
**Applications:**
- Rim: 7100(F), 7200, 7200M(F)
- SquareBolt®: 7150(F), 7250, 7250M(F)
- SVR: 7110(F), 7170(F), 7210, 7210M(F)
- CVR: 7120(F), 7160(F), 7220, 7220M(F)
- Mortise: 7130(F)

**Ordering:** Suffix “B” to the Model Number. Ex: 7120B.

Note: Not available on “D” Delayed Egress devices or with the “A” Alarm kit option.

**latchbolt position monitor “S”**
Provides indication on the position of the latchbolt. Used with security systems to monitor the latchbolt, also used to activate automatic door operators upon latch retractions.

**Electrical Specifications:** SPDT contacts rated 5 amp @ 28VDC
**Listings:** UL/cUL listed for panic and fire exit hardware.
**Applications:**
- Rim: 7100(F), 7200, 7200M(F)
- SquareBolt®: 7150(F), 7250, 7250M(F)
- SVR: 7110(F), 7170(F), 7210, 7210M(F)
- CVR: 7120(F), 7160(F), 7220, 7220M(F)
- Mortise: 7130(F)

**Ordering:** Suffix “S” to the Model Number. Ex: 7120S.

**trim monitor switch “O”**
Provides indication of the trim being operated from the outside. Used as a Request to Enter signal switch to shunt alarms, also used to monitor entry.

**Electrical Specifications:** SPDT contacts rated 5 amp @ 28VDC
**Listings:** UL/cUL listed for panic and fire exit hardware.
**Applications:**
- Rim: 7100(F)
- SquareBolt®: 7150(F)
- SVR: 7110(F), 7170(F)
- CVR: 7120(F), 7160(F)
- Mortise: 7130(F)

**Ordering:** Suffix “O” to the Model Number. Ex: 7150O.
stand-alone door alarm

This unit is ideal for emergency doors as well as stairwell doors and rear exit doors in retail environments. The unit, which can also be hardwired, easily complements existing hardware, making any opening alarmed. The SDA16 door alarm is typically mounted on the interior of the door frame or door and is paired with a magnet mounted on the opposing side of the door gap.

features

- Dimensions: 8.3”L x 3.1”W x 2.0”D (210mm L x 79mm W x 52mm D)
- Non-handed unit (field reversible)
- Unit powered by 9V battery
- Unit can be hardwired by using WH-11 wire harness and 784 power supply
- No battery is required in unit with hard-wire option – if power is lost, optional gel-cell battery in power supply will give approximately 10,000 operations
- Reverse battery protection safeguards the unit if the battery is incorrectly installed
- A low-voltage battery is indicated by an audible signal every 30 seconds
- Piezo horn blasts at 105+ decibels if the door is used without proper authorization
- The LED will flash every 30 seconds, indicating either the unit is armed or, if under auto reset, that the door has been violated
- Various field-adjustable features by dip switch including automatic alarm reset, REX and passage time delay, and LED color preference
- A tamper switch provides instantaneous signal to sound horn in the event the cover is removed. Horn will sound until the unit is reset by the key or remote reset/arm switch
- Conformally coated electronics for weather resistance
- Cover is held in place by cam lock which protects mounting screws, electrical system and internal sensors
- Accepts external cylinder (not included, must be specified)
- Accepts standard mortise cylinders (not included, must be specified)

remote mounting

The SDA16 can be installed remotely from the door by attaching the contacts to the door and frame. The unit can be installed up to 6 feet from the door. This provides the ideal solution for circumstances where exposure to weather may be an issue. To order specify "SDA16XL".

frame contact attached to wire

Note: Actual wire length is 6 feet.

cylinders and accessories

- 784 Power supply (9VDC) — includes plug-in wall transformer
- Plug-in wall transformer with 12’ cable assembly (part no. 00-0000-3425)
- Gel-cell battery — optional for use with 784 power supply (part no. 00-0000-3426)
- WH-11 Wire harness for remote power and remote unlock
- Mortise cylinder for unit
- Rim cylinder for outside control
- See pages 42 & 45 for cylinder information.
SecureX® accessories

781N power control

Operation
Designed to control one or two electric latch retraction “P” exit devices. Equipped with two 20-second timers which can operate the exit devices together or independently. Requires a momentary or timed, dry contact input and can be interfaced with access control systems, automatic door operators, "blow open" type scenarios and has provisions for N/C fire alarm systems.

Note: The 781N is required for use with the “P” latch retraction option. Using any other power supply with the “P” option voids the warranty of the device.

Features
• 2 control inputs. Accepts normally closed dry contacts for device activation from a key switch, push button, access control or fire alarm system.
• 2 normally open control outputs for automatic door operators
• 2 “P” device outputs
• Fire Alarm Interface input
• 12VDC output for audible or LEDs .25 AMP
• 24VDC output for audible or LEDs .25 AMP

Wiring
Up to 40 feet: 16 AWG wire
Up to 60 feet: 14 AWG wire
Up to 100 feet: 12 AWG wire

Electrical Specifications
• 120VAC or 120VAC 60 Hz Power input
• 9 amp inrush for 100 milliseconds

Listings
Listed as an Exit Device Control Unit to UL 294 requirements.

Applications
“P” Electric Latch Retraction Option

Ordering
781N Controller

Yale recommends McKinney®, Pemko and Securitron® for power transfer devices and other electronic accessories.
latch pullback
Electric Latch Pullback Interfaced with an Automatic Door Operator

Components
- 7100P Latch Retraction
- 781N Controller
- PowerMatic® Door Operator by Norton®
- ADA Pushbuttons #661 by Norton
- QC8 Power Transfer Hinge by McKinney®

Operation
Exit device allows free egress at all times.

Activating the interior or exterior pushbutton retracts the latchbolt in the device and the door automatically opens. Door closes and relatches after hold open time has elapsed in the operator.

electric dogging
Electric Dogging with Monitor Functions

Components
- 7100GBS Electric Dogging Device with Touchbar Monitor
- BPS Power Supply with fire alarm interface
- Keyswitch with a Red and a Green LED
- DPS (door position switch) by Securitron®
- QC12 Power Transfer Hinge by McKinney®

Operation
Exit device allows free egress at all times.

Activating the maintained keyswitch applies power to the 7100GBS device. The first mechanical depression of the pushpad will retract the latchbolt and hold the pushpad down in a dogged position. Fire alarm activation, interruption of power or turning the keyswitch off will release the pushpad and the latch will extend.

- The Green LED illuminates when power is on, and the pushpad can be depressed and dogged.
- The Red LED illuminates when power is off, the door is closed and the device is latched and secure.

monitor functions
Electric Latch Retraction with Monitor Functions

Components
- 7100PBOS, Exit Device with Touchbar, Outside Trim and Bolt Position Monitors
- 781N Controller
- Momentary Pushbutton with Red and Green LED
- DPS (door position switch) by Securitron®
- TSB-C Door Cord by Securitron®

Operation
Exit device allows free egress at all times.

Activating the 402 x L2 push button retracts the latchbolt from a remote location.

- The Red LED indicates that the door is closed and latched.
- The Green LED illuminates when any of the following situations occur:
  - The pushpad is depressed
  - Tampering or retraction of the latchbolt
  - Operation of outside trim
  - Opening of door
**Components**
- 7100 - PB627F Nightlatch Trim - Yale®
- S Bolt Position Monitor Switch
- B Pushpad Monitor Switch
- O Trim Monitor Switch
- Door Position Switch - Securitron®
- QC12 Power Transfer Hinge by McKinney®
- Surface Door Closer - Yale

**Operation**
Operation of the 7100 Exit Device with the S, B, O and ASSW-104A can be used together or individually to sound an alarm, shunt an alarm, monitor the door’s security or as a “Request to Exit” in conjunction a magnetic lock.

**Components**
- 691F Electrified Trim - Yale
- 7100 Rim Exit Device - Yale
- Digital Keypad by Securitron®
- QC8 Power Transfer Hinge by McKinney®
- BPS Power Supply

**Operation**
Operation of the Digital Keypad will allow keyless entry from the non-protected side of the opening. When a valid code is entered into the keypad, voltage will be applied to the trim, making the lever active and allowing ingress. Free exit is allowed by using the exit device from the protected side of the door.

**Components**
- 7100D Delayed Egress Exit Device - Yale
- QC8 Power Transfer Hinge by McKinney®
- BPS Power Supply
- Surface Door Closer - Yale

**Operation**
Operation of the 7100D Exit Device will sound an alarm and activate either a 15- or 30-second alarm sequence inside of the exit device. After this time period, the device will release the pushpad, making it active and egress is possible. When the fire alarm is activated, power to the exit device will be interrupted, allowing free egress and mechanical latching. Authorized alarm bypass and reset is done through the built-in keyswitch located in the exit device. An optional High Security package includes a door prop alarm to prevent the door from being blocked open.
## Rim Cylinders

The following chart details rim cylinders for use with 480F, 500F, 510F, 620F, 680F, 630F, 121NL trims and outside of SDA16 door alarm:

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Pins</th>
<th>Length</th>
<th>480F/500F/510F</th>
<th>620F/680F</th>
<th>630F</th>
<th>121NL</th>
<th>SDA16 Outside</th>
</tr>
</thead>
<tbody>
<tr>
<td>1109</td>
<td>Standard Fixed Core</td>
<td>6</td>
<td>1-1/4&quot;</td>
<td>599.419</td>
<td>No Collar</td>
<td>No Collar</td>
<td>1765.250</td>
<td>1765.250</td>
</tr>
<tr>
<td>1109</td>
<td>Standard Fixed Core</td>
<td>7</td>
<td>1-7/16&quot;</td>
<td>599.544</td>
<td>1765.250</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>1709</td>
<td>CMK</td>
<td>6</td>
<td>1-15/16&quot;</td>
<td>599.944</td>
<td>1765.250</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>1709</td>
<td>CMK</td>
<td>7</td>
<td>1-5/8&quot;</td>
<td>599.700</td>
<td>1765.250</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>1193</td>
<td>LFIC Complete</td>
<td>6</td>
<td>1-7/16&quot;</td>
<td>599.544</td>
<td>1765.250</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>1193</td>
<td>LFIC Complete</td>
<td>7</td>
<td>1-5/8&quot;</td>
<td>599.700</td>
<td>1765.344</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>5109</td>
<td>Security Fixed Core</td>
<td>6</td>
<td>1-9/16&quot;</td>
<td>599.419</td>
<td>No Collar</td>
<td>No Collar</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>5109</td>
<td>Security Fixed Core</td>
<td>7</td>
<td>1-7/16&quot;</td>
<td>599.544</td>
<td>1765.250</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>U5109</td>
<td>High Security Fixed Core</td>
<td>6</td>
<td>1&quot;</td>
<td>NA</td>
<td>No Collar</td>
<td>No Collar</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>U5109</td>
<td>High Security Fixed Core</td>
<td>7</td>
<td>1&quot;</td>
<td>NA</td>
<td>No Collar</td>
<td>No Collar</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>5193</td>
<td>Security LFIC Complete</td>
<td>6</td>
<td>1-7/16&quot;</td>
<td>599.544</td>
<td>1765.250</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>5193</td>
<td>Security LFIC Complete</td>
<td>7</td>
<td>1-5/8&quot;</td>
<td>599.700</td>
<td>1765.344</td>
<td>1765.406</td>
<td>1765.250</td>
<td></td>
</tr>
<tr>
<td>K300</td>
<td>Yale® KeyMark® Standard Fixed Core</td>
<td>6</td>
<td>1-1/8&quot;</td>
<td>599.544</td>
<td>KP4</td>
<td>1765.250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K300</td>
<td>Yale® KeyMark® Standard Fixed Core</td>
<td>7</td>
<td>1-1/2&quot;</td>
<td>599.544</td>
<td>1765.250</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K840/ K880</td>
<td>Yale KeyMark LFIC Complete / Housing Only</td>
<td>6</td>
<td>1-7/16&quot;</td>
<td>599.700</td>
<td>1765.406</td>
<td>1765.500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K840/ K880</td>
<td>Yale KeyMark LFIC Complete / Housing Only</td>
<td>7</td>
<td>1-5/8&quot;</td>
<td>NA</td>
<td>1765.563</td>
<td>1765.719</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K640/ K680</td>
<td>Yale KeyMark SFIC Complete / Housing Only</td>
<td>6</td>
<td>1-1/4&quot;</td>
<td>599.544</td>
<td>KP4</td>
<td>1765.250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K640/ K680</td>
<td>Yale KeyMark SFIC Complete / Housing Only</td>
<td>6 or 7</td>
<td>1-3/8&quot;</td>
<td>599.700</td>
<td>1765.187</td>
<td>1765.406</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A640/ K680</td>
<td>Best® Keyway SFIC Complete / Housing Only</td>
<td>6</td>
<td>1-1/4&quot;</td>
<td>599.544</td>
<td>KP4</td>
<td>1765.250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A640/ K680</td>
<td>Best® Keyway SFIC Complete / Housing Only</td>
<td>6 or 7</td>
<td>1-3/8&quot;</td>
<td>599.700</td>
<td>1765.187</td>
<td>1765.406</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2109</td>
<td>Schlage® &quot;C&quot; Keyway Fixed Core Available 0-bitted or keyed random.</td>
<td>6</td>
<td>1-1/8&quot;</td>
<td>599.419</td>
<td>No Collar</td>
<td>No Collar</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Based on 1-3/4" door thickness. Collar length required must be specified for cylinders and/or housings ordered separately.

LFIC = Large Format Interchangeable Core
SFIC = Small Format Interchangeable Core
NA = Application Not Available
cylinders

The following chart details component cylinders for use with 540F series trim.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Pins</th>
</tr>
</thead>
<tbody>
<tr>
<td>1801</td>
<td>Standard Knob Fixed Core</td>
<td>6</td>
</tr>
<tr>
<td>1802</td>
<td>Standard Lever Fixed Core</td>
<td>6</td>
</tr>
<tr>
<td>1802A</td>
<td>Standard Lever Fixed Core</td>
<td>7</td>
</tr>
<tr>
<td>5801</td>
<td>Security Knob Fixed Core</td>
<td>6</td>
</tr>
<tr>
<td>5802</td>
<td>Security Lever Fixed Core</td>
<td>6</td>
</tr>
<tr>
<td>5802A</td>
<td>Security Lever Fixed Core</td>
<td>7</td>
</tr>
<tr>
<td>1210</td>
<td>LFIC Only</td>
<td>6</td>
</tr>
<tr>
<td>1220</td>
<td>LFIC Only</td>
<td>7</td>
</tr>
<tr>
<td>5210</td>
<td>Security LFIC Only</td>
<td>6</td>
</tr>
<tr>
<td>5220</td>
<td>Security LFIC Only</td>
<td>7</td>
</tr>
<tr>
<td>K400</td>
<td>Yale® KeyMark® Knob Fixed Core</td>
<td>6</td>
</tr>
<tr>
<td>K402</td>
<td>Yale KeyMark® Lever Fixed Core</td>
<td>6 or 7</td>
</tr>
<tr>
<td>K800</td>
<td>Yale KeyMark® LFIC Only</td>
<td>6 or 7</td>
</tr>
<tr>
<td>K600</td>
<td>Yale KeyMark® SFIC Only</td>
<td>6 or 7</td>
</tr>
<tr>
<td>A600</td>
<td>Best® Keyway SFIC Only</td>
<td>6 or 7</td>
</tr>
<tr>
<td>2802</td>
<td>Schlage® “C” Keyway Fixed Core. Available 0-bitted or keyed random.</td>
<td>6</td>
</tr>
</tbody>
</table>

*Requires the 107S kit. These cylinders are not ANSI/BHMA certified.

mortise

Please see page 44-45 for the detailed charts of mortise cylinders.

cylinder collars

If required, cylinder collar size must be specified.

1765 Recessed Cylinder Collar

“A” Dimension: Thicknesses from 1/16” (2mm) to 1-15/32” (37mm) as required.
Material: Brass, Bronze

KP3 Wave Washer

(Furnished standard with 1765 collar for Yale® KeyMark® cylinders and 630F series trim).

599 Recessed Cylinder Collar with Radius “A” Dimension:

Thicknesses from 1/16” (2mm) to 1-15/32” (37mm) as required.
Material: Brass, Bronze

KP4 Flush Mount Cylinder Collar

Material: Brass, Bronze

Please see page 44-45 for the detailed charts of mortise cylinders.
The following chart details mortise cylinders for use with 350F, 650F, 660F, 670F trims, cylinder dogging, delayed egress, and 7116 alarms:

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Pins</th>
<th>Length</th>
<th>350F/650F Cam</th>
<th>350F/650F Collar</th>
<th>660F/670F Cam</th>
<th>660F/670F Collar</th>
<th>Cylinder Dogging/Delayed Egress/7116 Alarm</th>
</tr>
</thead>
<tbody>
<tr>
<td>2153</td>
<td>Standard Fixed Core</td>
<td>6</td>
<td>1-1/8&quot;</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
</tr>
<tr>
<td>2153</td>
<td>Standard Fixed Core</td>
<td>6</td>
<td>1-1/2&quot;</td>
<td>No Collar</td>
<td>NA</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
</tr>
<tr>
<td>2153</td>
<td>Standard Fixed Core</td>
<td>7</td>
<td>1-1/4&quot;</td>
<td>No Collar</td>
<td>NA</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
</tr>
<tr>
<td>2153</td>
<td>Standard Fixed Core</td>
<td>7</td>
<td>1-1/2&quot;</td>
<td>No Collar</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>2196</td>
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<td>6</td>
<td>1-1/2&quot;</td>
<td>KP4</td>
<td>NA</td>
<td>2160</td>
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<td>1765.594</td>
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<td>2197</td>
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<td>KP4</td>
<td>NA</td>
<td>2160</td>
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<td>1765.594</td>
</tr>
<tr>
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<td>6</td>
<td>1-1/8&quot;</td>
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<td>No Collar</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
</tr>
<tr>
<td>5153</td>
<td>Security Fixed Core</td>
<td>6</td>
<td>1-1/2&quot;</td>
<td>No Collar</td>
<td>NA</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
</tr>
<tr>
<td>5153</td>
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<td>7</td>
<td>1-1/4&quot;</td>
<td>No Collar</td>
<td>NA</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
</tr>
<tr>
<td>5153</td>
<td>Security Fixed Core</td>
<td>7</td>
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<td>No Collar</td>
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<td>NA</td>
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<tr>
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<td>1-1/8&quot;</td>
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<td>No Collar</td>
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<td>No Collar</td>
<td>NA</td>
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<tr>
<td>U5153</td>
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<td>7</td>
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</tr>
<tr>
<td>5196</td>
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<td>6</td>
<td>1-1/2&quot;</td>
<td>No Collar</td>
<td>KP4</td>
<td>1765.281</td>
<td>1765.594</td>
<td>1765.406</td>
</tr>
<tr>
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<td>7</td>
<td>1-11/16&quot;</td>
<td>KP4</td>
<td>NA</td>
<td>2160</td>
<td>1765.250</td>
<td>1765.594</td>
</tr>
<tr>
<td>K100</td>
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<td>6 or 7</td>
<td>1-1/8&quot;</td>
<td>KC1</td>
<td>NA</td>
<td>NA</td>
<td>No Collar</td>
<td>NA</td>
</tr>
<tr>
<td>K100</td>
<td>Yale KeyMark® Standard Fixed Core</td>
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<td>No Collar</td>
<td>KC1</td>
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<tr>
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<td>1-3/4&quot;</td>
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<td>KP4</td>
<td>1765.375</td>
<td>NA</td>
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</tr>
<tr>
<td>K820/</td>
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<td>6</td>
<td>1-1/2&quot;</td>
<td>No Collar</td>
<td>KP4</td>
<td>1765.375</td>
<td>1765.594</td>
<td>1765.406</td>
</tr>
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<td>K860</td>
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<td>1-11/16&quot;</td>
<td>KC1</td>
<td>KP4</td>
<td>1765.375</td>
<td>1765.594</td>
<td>1765.406</td>
</tr>
<tr>
<td>K620/</td>
<td>Yale KeyMark SFIC Complete / Housing Only</td>
<td>6</td>
<td>1-1/4&quot;</td>
<td>NA</td>
<td>KC1</td>
<td>NA</td>
<td>1765.281</td>
<td>1765.156</td>
</tr>
<tr>
<td>K660</td>
<td>Yale KeyMark SFIC Complete / Housing Only</td>
<td>6 or 7</td>
<td>1-3/8&quot;</td>
<td>No Collar</td>
<td>1765.156</td>
<td>1765.281</td>
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<td>Riveted</td>
<td>KP4</td>
<td>1765.375</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>A620/</td>
<td>Best® Keyway SFIC Complete / Housing Only</td>
<td>6</td>
<td>1-1/4&quot;</td>
<td>KC1</td>
<td>NA</td>
<td>1765.375</td>
<td>NA</td>
<td>1765.156</td>
</tr>
<tr>
<td>K660</td>
<td>Best® Keyway SFIC Complete / Housing Only</td>
<td>6 or 7</td>
<td>1-3/8&quot;</td>
<td>KC1</td>
<td>NA</td>
<td>1765.375</td>
<td>NA</td>
<td>1765.281</td>
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<tr>
<td>A620/</td>
<td>Best® Keyway SFIC Complete / Housing Only</td>
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<td>1-3/4&quot;</td>
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<td>KP4</td>
<td>1765.375</td>
<td>NA</td>
<td>NA</td>
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<tr>
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<td>6 or 7</td>
<td>1-3/4&quot;</td>
<td>Riveted</td>
<td>KP4</td>
<td>1765.375</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>2553</td>
<td>Schlage® “C” Keyway Fixed Core. Available 0-bitted or keyed random.</td>
<td>6</td>
<td>1-1/8&quot;</td>
<td>2160</td>
<td>NA</td>
<td>2160</td>
<td>NA</td>
<td>No Collar</td>
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</table>

See legend notes on following page.
The following chart details mortise cylinders for use with inside of SDA16 door alarm, KRM200 standard and windstorm mullions:

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Pins</th>
<th>Length</th>
<th>Cam</th>
<th>Collar</th>
<th>Cam</th>
<th>Collar</th>
<th>Cam</th>
<th>Collar</th>
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<tbody>
<tr>
<td>2153</td>
<td>Standard Fixed Core</td>
<td>6</td>
<td>1-1/8&quot;</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.312</td>
<td>1765.156</td>
</tr>
<tr>
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<td>7</td>
<td>1-1/4&quot;</td>
<td>No Collar</td>
<td>KP4</td>
<td>2160</td>
<td></td>
<td>1765.500</td>
<td>1765.250</td>
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<tr>
<td>2196</td>
<td>LFIC Complete</td>
<td>6</td>
<td>1-1/2&quot;</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.750</td>
<td>1765.500</td>
</tr>
<tr>
<td>2197</td>
<td>LFIC Complete</td>
<td>7</td>
<td>1-11/16&quot;</td>
<td>2160</td>
<td></td>
<td></td>
<td></td>
<td>1765.250</td>
<td>1765.719</td>
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<td>5153</td>
<td>Security Fixed Core</td>
<td>6</td>
<td>1-1/8&quot;</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.312</td>
<td>1765.156</td>
</tr>
<tr>
<td>5153</td>
<td>Security Fixed Core</td>
<td>7</td>
<td>1-1/4&quot;</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.500</td>
<td>1765.250</td>
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<td>6</td>
<td>NA</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.312</td>
<td>1765.156</td>
</tr>
<tr>
<td>U5153</td>
<td>High Security Fixed Core</td>
<td>7</td>
<td>NA</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.500</td>
<td>1765.250</td>
</tr>
<tr>
<td>5196</td>
<td>Security LFIC Complete</td>
<td>6</td>
<td>1-1/2&quot;</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.250</td>
<td>1765.719</td>
</tr>
<tr>
<td>5197</td>
<td>Security LFIC Complete</td>
<td>7</td>
<td>1-11/16&quot;</td>
<td>2160</td>
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<td>1-1/8&quot;</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.312</td>
<td>1765.156</td>
</tr>
<tr>
<td>K820/</td>
<td>Yale KeyMark LFIC Complete / Housing Only</td>
<td>6</td>
<td>1-1/2&quot;</td>
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<td></td>
<td>2160</td>
<td></td>
<td>1765.750</td>
<td>1765.250</td>
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<tr>
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<td>Yale KeyMark LFIC Complete / Housing Only</td>
<td>7</td>
<td>1-11/16&quot;</td>
<td>2160</td>
<td></td>
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<td>1765.719</td>
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<td>1-1/4&quot;</td>
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<td></td>
<td>2160</td>
<td></td>
<td>1765.500</td>
<td>1765.250</td>
</tr>
<tr>
<td>K620/</td>
<td>Yale KeyMark SFIC Complete / Housing Only</td>
<td>6 or 7</td>
<td>1-3/8&quot;</td>
<td></td>
<td></td>
<td>2160</td>
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<td>1765.563</td>
<td>1765.250</td>
</tr>
<tr>
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<td>1-1/4&quot;</td>
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<td>2160</td>
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</tr>
<tr>
<td>A620/</td>
<td>Best® Keyway SFIC Complete / Housing Only</td>
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<td>1-3/8&quot;</td>
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<td></td>
<td>2160</td>
<td></td>
<td>1765.563</td>
<td>1765.250</td>
</tr>
<tr>
<td>2553</td>
<td>Schlage® “C” Keyway Fixed Core, Available 0-bitted or keyed random.</td>
<td>6</td>
<td>1-1/8&quot;</td>
<td>No Collar</td>
<td></td>
<td>2160</td>
<td></td>
<td>1765.312</td>
<td>1765.500</td>
</tr>
</tbody>
</table>

Based on 1-3/4" door thickness. Collar length required must be specified for cylinders and/or housings ordered separately.

LFIC = Large Format Interchangeable Core.
SFIC = Small Format Interchangeable Core.
NA = Application Not Available
**strikes**

### rim devices

**757F**
Standard strike for 7100(F), 7150(F), 7200M(F) and 7250M(F) devices. Supplied with #10-24 x 3/4" machine screws, two shims (each 1/16" thick), and one locking plate.

**757FWS**
Standard strike for 7150(F)WS and 7250M(F)WS devices. Supplied with 2 each #10-24 x 1-1/4" and 2 each #10-24 x 3/4" machine screws, two shims (each 1/16" thick), one locking plate and one interlocking bracket (not shown) with 4 each #10-24 x 3/4" machine screws.

**759**
Standard strike for 720X devices.

**793**
Optional strike for double door applications without a mullion. Supplied with #10-24 x 3/4" machine screws, two shims (each 1/16" thick), and one locking plate. Panic only.

---

**vertical rod devices - top strikes**

**791**
Standard top strike for 7110(F), 7120(F), 7210, 7220, 7210M(F), 7220M(F) series devices. Supplied with #10-24 x 3/4" machine screws, two shims (each 1/16" thick), and one locking plate.

**726**
Standard top strike for 7170(F) series devices. Supplied with #12-24 x 11/16" machine screws and #12 x 1-1/4" sheet metal screws, and one shim (1/16" thick).

**701**
Standard top strike for 7160(F) series devices. Supplied with #10-32 x 3/8" machine screws and #10 x 1" sheet metal screws.

**797**
Optional bracket for mounting 791 top strike in flush transom opening. Supplied with 1/4-20 machine screws; SN-134 sex nuts, optional.

---

**vertical rod devices - bottom strikes**

**790**
Standard bottom strike for 7110(F), 7120(F), 7160(F), 7170(F), 7210, 7220, 7210M(F), 7220M(F) series devices. Press in place.

**794**
Optional bottom strike for fire openings using saddle thresholds or for flush floor mount. Must use for fire openings with 1/2" thresholds. Supplied with #10-24 x 1/2" machine screws and floor anchors.

**702**
Optional bottom strike for bottom pullman latch option. Supplied with #8 x 5/32" combination screws.
strikes

mortise devices

<table>
<thead>
<tr>
<th>Model #</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>798</td>
<td>1-1/4&quot; (32mm)</td>
</tr>
<tr>
<td>712</td>
<td>4-7/8&quot; (124mm)</td>
</tr>
<tr>
<td>718</td>
<td>1-1/4&quot; (32mm)</td>
</tr>
</tbody>
</table>

798 Standard curved lip ANSI strike used with 7130(F) devices. (1-1/4" lip)
712 Optional flat lip ANSI strike used with 7130 devices for pairs of doors with astragals. (7/8" lip)
718 Optional open back strike. Permits opening of the inactive door for pairs of doors where approved by door manufacturer.
202 Optional strike box for ANSI strikes. 7/8" (22mm) deep.

accessories/options

shim kits

Shim kits, for devices on doors with interfering molding, are available. Each standard shim kit contains 2 sets of 1/8" thick shims to shim a device 1/8" (3mm) or 1/4" (6mm). Windstorm (WS) shim kits contain 3 sets of 1/8" thick shims. Longer device mounting screws (not included) are required for more than 1/4" (6mm) shimming. 693 (Black) finish.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>723</td>
<td>Shim kit for 7100(F) series rim, 7150(F) series Squarebolt®, 7120(F), 7160(F) series* concealed vertical rod, and 7130(F) series* mortise exit devices.</td>
</tr>
<tr>
<td>723WS</td>
<td>Shim kit for 7150(F)WS series Squarebolt exit devices.</td>
</tr>
<tr>
<td>723NS</td>
<td>Shim kit for 7220 series rim, 7200M(F) series rim, 7250 series Squarebolt, 7250M(F) series Squarebolt, 7220 series* and 7220M(F)* concealed vertical rod exit devices.</td>
</tr>
<tr>
<td>723NSWS</td>
<td>Shim kit for 7250M(F)WS series Squarebolt exit devices.</td>
</tr>
<tr>
<td>724</td>
<td>Shim kit for 7110(F) and 7170(F) series surface vertical rod exit devices.</td>
</tr>
<tr>
<td>724WS</td>
<td>Shim kit for 7170(F)WS series surface vertical rod exit devices.</td>
</tr>
<tr>
<td>724NS</td>
<td>Shim kit for 7210(F) series surface vertical rod exit devices.</td>
</tr>
</tbody>
</table>

*Note: Special mortise or concealed vertical rod components needed for openings requiring more than (2) shim kits, or for shimmed mortise devices in doors over 1-3/4" (44mm) thick. Details on application.

extension rods

<table>
<thead>
<tr>
<th>Model #</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>7010-2</td>
<td>2&quot; (51mm)</td>
</tr>
<tr>
<td>7010-6</td>
<td>6&quot; (152mm)</td>
</tr>
<tr>
<td>7010-12</td>
<td>12&quot; (305mm)</td>
</tr>
<tr>
<td>7010-24</td>
<td>24&quot; (610mm)</td>
</tr>
</tbody>
</table>

specify finish.

specialty fasteners

Sex Nuts:
Required for wood, composite or unreinforced metal doors.
- SN-104 – Interlock bracket pack of (4) 10-24 sex nuts for all fire rim and Squarebolt® devices.
- SN-134 – Pack of (4) 1/4-20 sex nuts for all devices.

TORX® Security Screws:
Available for factory product orders. Wood screws may only be used in predrilled pilot holes of solid core wood doors.
accessories/options

long tailpiece kit
Long tailpiece kit for use with escutcheon series trim, up to 4-1/2" thick doors.

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Trim Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; - 2-1/2&quot;</td>
<td>620F and 630F Series Trim</td>
<td>81-9500-1665-000</td>
</tr>
<tr>
<td>2-1/2&quot; - 3-1/2&quot;</td>
<td>620F and 630F Series Trim</td>
<td>81-9500-1635-000</td>
</tr>
<tr>
<td>3-1/2&quot; - 4-1/2&quot;</td>
<td>620F and 630F Series Trim</td>
<td>81-9500-1636-000</td>
</tr>
</tbody>
</table>

Specify part number to order.

720 dummy pushbar
For push-pull vestibule doors leading to doors with 7000 series exit devices. Bars fit doors up to 48" (122cm) wide. Same finishes as devices. Specify 720 x finish.

cylinder dogging
Cylinder dogging is available for all panic-listed exit devices only. Requires use of 1-1/8" mortise cylinder. When ordered with devices, cylinder must be ordered separately. (See How to Order, “Fourth Digit”, page 53.) Cylinder dogging kit available; specify 715-48 (cylinder not included with this kit).

anti-pry bracket
The anti-pry bracket offers end users increased security by improving resistance against jamb spreading during a pry attack. When the door is in the closed position, the anti-pry bracket interlocks in position between the exit device strike and frame preventing the strike and exit device latch from being separated. For use with all 7100(F) rim and 7150(F) SquareBolt® devices. Kit includes interlock bracket and end cap shim, the standard exit device mounting screws can be used, therefore, no additional fasteners are required. Black powder coat finish. To order specify option/model number: 725

730 touchpad cover
Field replacement cover to renew touchpad looks. Specify 730-36 or 730-48 x finish.

lumi-lite® touchpad cover
The Lumi-Lite® touchpad cover can be ordered separately and easily retrofits to existing 7000 exit devices in the field. To order specify: 730-36LUM for 36" cover and 730-48LUM for 48" cover

impact resistant end cap
The 7000 series impact-resistant end cap is designed with heavy-duty material with three screw holes in strategic locations to resist abuse and maintain functionality. The ECK7 kit is available for easy retrofit to existing exit devices. To order retrofit kit, specify ECK7 x finish.

flush end cap
The flush end cap is a heavy-duty flush mounted end cap constructed of solid cast or stainless steel materials. For use on exit devices subject to abuse by vehicles being pushed through the doorway opening; i.e. carts, gurneys, wagons, etc. To order with device, specify option: ECK1. Available as a retrofit kit for existing installations, to order specify part number: 81-9500-0620 x finish.

bottom pullman latch
Optional bottom pullman latch available for panic listed vertical rod exit devices. To order with devices, specify “BPL.” 702 bottom strike required, see page 46.

The flush end cap is a heavy-duty flush mounted end cap constructed of solid cast or stainless steel materials. For use on exit devices subject to abuse by vehicles being pushed through the doorway opening; i.e. carts, gurneys, wagons, etc. To order with device, specify option: ECK1. Available as a retrofit kit for existing installations, to order specify part number: 81-9500-0620 x finish.

built-in pullman latch
Built-in pullman latch available for panic listed vertical rod exit devices. To order with devices, specify “BPL.” 702 built-in pullman latch strike required, see page 46.

For push-pull vestibule doors leading to doors with 7000 series exit devices. Bars fit doors up to 48" (122cm) wide. Same finishes as devices. Specify 720 x finish.

730 touchpad cover
Field replacement cover to renew touchpad looks. Specify 730-36 or 730-48 x finish.

lumi-lite® touchpad cover
The Lumi-Lite® touchpad cover can be ordered separately and easily retrofits to existing 7000 exit devices in the field. To order specify: 730-36LUM for 36" cover and 730-48LUM for 48" cover

impact resistant end cap
The 7000 series impact-resistant end cap is designed with heavy-duty material with three screw holes in strategic locations to resist abuse and maintain functionality. The ECK7 kit is available for easy retrofit to existing exit devices. To order retrofit kit, specify ECK7 x finish.

flush end cap
The flush end cap is a heavy-duty flush mounted end cap constructed of solid cast or stainless steel materials. For use on exit devices subject to abuse by vehicles being pushed through the doorway opening; i.e. carts, gurneys, wagons, etc. To order with device, specify option: ECK1. Available as a retrofit kit for existing installations, to order specify part number: 81-9500-0620 x finish.

bottom pullman latch
Optional bottom pullman latch available for panic listed vertical rod exit devices. To order with devices, specify “BPL.” 702 bottom strike required, see page 46.
**accessories/options**

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**less bottom rod**

7170(F90) surface and 7160(F90) concealed vertical rod exit devices available less bottom rod. Fire-rated devices supplied standard with a heat-activated door bolt popper. To order, suffix LBR.

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**plastic installation template**

Provided as a standard with all 7000 series exit device, the plastic installation template facilitates door markings over traditional paper templates. This provides a more accurate door prep which reduces installation mistakes and overall installation time. Template dimensions: 8-1/4” x 3-1/4” (210mm x 83mm). To order separately, specify part number: 60-7000-9100-999.

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**Schlage® cam assembly**

This cam and housing assembly includes a cam engineered to accept Schlage rim cylinders. No modifications are required to existing 500 and 600 series exit device trims thus maintaining the trim’s classroom and storeroom functions. To order, specify part number: 60-7000-0815.

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**Von Duprin® tailpiece**

This tailpiece is available for the Yale® 1109 rim cylinder to operate the night latch function for Von Duprin exit devices. To order, specify part number: 34-1145-1005-048
mullions

M200(F) removable mullion

M200(F) mullions are for use with 7100(F) series exit devices. Mullions may be field cut to fit opening. Red primer finish.

- M200 for panic exits.
  Tubular steel, 2” x 3” (51mm x 76mm). Specify 7’, 8’, or 10’.
- M200F for fire exits.
  Tubular steel, 2” x 3” (51mm x 76mm). Specify 7’ or 8’.
- M200FWS for fire exits.
  Certified hurricane resistant (refer to local codes).
  Tubular steel, 2” x 3” (51mm x 76mm). Specify 7’ or 8’.

M300 removable mullion

M300 mullions are for use with 7200 series exit devices. They consist of an aluminum extrusion 1-1/4” x 3” (32mm x 76mm), with built-in strikes for device bolts. Supplied with mounting brackets, mechanical fasteners, and mullion stabilizers. Available finishes are 628 (Satin, clear anodized) and 695 (dark amber coat). Specify 8’, 9’, or 10’.

102S mullion stabilizer kit

Recommended for high openings and whenever door movement must be further restricted. Supplied standard with M300 mullions. To order separately, specify 102S.
**mullions**

**KRM200(F) keyed removable mullion (KRM)**

Keyed removable mullions are for use with 7100(F) series exit devices. They are designed for simple removing when an unobstructed large opening is required and easy replacement and locking to maintain the integrity of the opening.

- KRM200 for panic exits. Specify 7', 8', or 10'.
- KRM200F for fire exits. Specify 7' or 8'.
- KRM200FWS for fire exits.
  Certified hurricane resistant (refer to local codes). Specify 7' or 8'.

**KRM features**

- Easy cylinder installation.
- Mullion automatically relocks when reinstalled without the use of the cylinder key.
- When ordering, add KR prefix to mullion, example: KRM200 and KRM200F.

**M200(F) and KRM options**

- **M203 Spacer Block**
  Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing or for applications with 5-3/4' (146mm) or less door frames.

- **M204 Angle Bracket**
  Recommended for any header configuration with less than 3" (76mm) of mounting surface.

**KRM cylinders**

As with any exit device trim, you must order a cylinder and collar if one is required. The Yale® keyed removable mullion accepts a mortise cylinder. Refer to page 45 for details.
7000 series | architectural exit devices

facts and figures

7100 Series
(all variables)

<table>
<thead>
<tr>
<th>Series</th>
<th>“A”</th>
<th>“B”</th>
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<tbody>
<tr>
<td>7100-36</td>
<td>32-7/8”</td>
<td>18”</td>
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<td>7100F-36</td>
<td>(835mm)</td>
<td>(457mm)</td>
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<tr>
<td>7100-48</td>
<td>44-7/8”</td>
<td>24”</td>
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<td>7100F-48</td>
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7200 and 7200M Series
(all variables)

<table>
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<tr>
<td>7200-36</td>
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<td>18”</td>
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<tr>
<td>7200MF-36</td>
<td>(880mm)</td>
<td>(457mm)</td>
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<tr>
<td>7200-48</td>
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<td>24”</td>
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<tr>
<td>7200MF-48</td>
<td>(1184mm)</td>
<td>(610mm)</td>
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</tbody>
</table>

trim dimensions

| 620F/650F Series | Projection: 13/16” (20mm) |
| 630F/660F Series | Projection: 2-3/4” (70mm) |
| 500F Series     | Projection: 1/4” (6mm)    |

| 510F Series     | Projection: 2-1/8” (54mm) |
| 680F Series     | Projection: 3” (76mm)     |
| 480F Series     | Projection: 2-7/8” (73mm) |

*Length varies by pull, see page 31
sample specifications

Exit devices shall be 7000 Series Pushpad Exit Devices as manufactured by Yale Locks & Hardware.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel.

The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the pushpad is active and 2-3/4" when the pushpad is dogged down. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. Rear and active case covers shall be wrought brass or bronze and shall be plated to match the trim bar. Plastic or painted covers are not acceptable. Latchbolts shall be steel and shall incorporate a deadlock latch for increased security. Devices without deadlock latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. Exit devices shall be easily field sized to accommodate various door widths.

Panic-listed exit devices shall have single point, one quarter turn hex key dogging standard. Optional cylinder dogging shall be available on panic listed devices. Devices with hex key dogging shall be easily field converted to cylinder dogging. Panic listed devices shall be available less dogging.

Trims shall be throughbolted with concealed fasteners. Escutcheon and pull-type trims shall be constructed of brass or bronze. All lever trims shall use cast or forged levers. On rim, SquareBolt®, vertical rod trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active head of the exit device. Lever trims (except mortise) shall be Free-Wheeling with a clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Yale® mortise and cylindrical locksets.

Exit devices and trims shall be furnished in ANSI/BHMA standard architectural finishes.

Exit devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be listed for A label and lesser class doors.

Certification:
ANSI/BHMA A156.3, Grade 1

Devices, trims and cylinders shall be from one manufacturer.

Devices and 600 Series trim shall carry a five-year limited warranty.

500 Series trim shall carry a one-year limited warranty.

Electronic components shall carry a two-year limited warranty.

SecureX® delayed egress specification

Delayed egress exit devices shall be 7100/7200 Series (rim, SquareBolt®, mortise or concealed vertical rod) with the “D” suffix, manufactured by Yale Locks & Hardware.

The SecureX delayed egress device secures the door in the locked mode. Depressing the pushpad for less than three seconds will sound the device siren without initiating the alarm. Depressing the pushpad longer than three seconds will initiate an irreversible local audible beeping tone and allow the device to release for egress after 15 seconds. The alarm will continue until reset by the mechanical key switch located on the device. (When acceptable by local code agency, the delay period may be increased to 30 seconds, or other approved amount of time. Consult factory.)

Devices shall be 24 volts DC.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the pushpad is active and 2-3/4" when the pushpad is depressed. Nylon bearings and steel springs shall be used for long life and durability. Active case and alarm end cover shall be wrought brass, bronze or stainless steel and shall be plated to match the trim bar. Painted or plastic covers or end caps are not acceptable. Latchbolts shall be steel and shall incorporate a deadlock latch for increased security. Devices without deadlock latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. Device active cover and end cap attaching screws shall be security TORX®. When required, door position switches used on rim or SquareBolt® devices shall be incorporated into the latch assembly of the device to allow added security.

Trims shall be throughbolted with concealed fasteners. Escutcheon and pull-type trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast or forged levers. On rim, SquareBolt® and vertical rod trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active head of the exit device. Lever trims shall match those on Yale® mortise and cylindrical locksets. Lever trims (except mortise) must have a clutch or Free-Wheeling spring assembly when in the locked mode to deter vandalism or damage to trim. Rigid lever trims are not acceptable.

Exit devices, trims and cylinders must be from one manufacturer.
ordering information

From this outline select the Model Number for the Yale® 7000 Exit Device Series you require.

<table>
<thead>
<tr>
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<th>Second Digit:</th>
<th>Third Digit:</th>
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<th>Design</th>
<th>Trim</th>
<th>Finish</th>
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**Notes:**
1. Required for electrical feature, Suffix "SAFE" or "SECURE".
2. LBR available on 7160(F90) and 7170(F90) devices only.
3. For double cylinder devices, suffix "-2" after fourth digit.
4. If "-24" device is to be used with a DOW greater than 24", the device will ship without UL label. The 12" touchpad will not cover 50% of the device touchbar length.
5. "WS" applies only to 7150(F), 7250M(F) and 7170(F) devices.
6. Maximum opening size 8’0” x 8’0”.
7. Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.

It is recommended that exit devices and trim for the same opening be ordered together. Standard product is for 1-3/4" (44mm) reinforced metal doors. Accessories detached from the device and trim should be specified separately. Materials by others are required to be fit for the purpose as detailed in this catalog and the product installation literature.
ordering information

ordering examples

**Exit Device Only**
7150D-36 x 626 x RHR x SNB

**Exit Device with Trim and Cylinder**
7170F90-9-48 x AU626F x 605 x LHR x 1109 GA 0-bit

**Trim Only**
MO656F x 630 x RHR x LC

**Double Cylinder Exit Device with Trim**
7150F-2-36 x AU626F x 630

*Yale® exit devices and trims are processed separately. To aid in order processing, the device, trim and cylinder should be detailed as separate line items. These items can be ordered on one line item as shown, but they will be entered to the factory and acknowledged separately.
online literature and templates

For the latest information on Yale Locks & Hardware products, visit our website at: www.yalelocks.com

Click on the “Product Information” button to find:

- Catalogs
- Parts manuals
- Templates
- Specifications
- Installation instructions

Yale® customers can click on the ebusiness symbol on the website to register for an ebusiness account to:

- Check the status of orders
- Check availability of Quick-Ship items
- Track your order and confirm delivery
- Receive email notification of template changes
  And More...

Or contact us at:

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Yale Locks & Hardware
Address: 100 Yale Avenue, Lenoir City, TN 37771-3226
Tel: 1-800-438-1951 • Fax: 1-800-338-0965 • www.yalelocks.com

Canada:
ASSA ABLOY Door Security Solutions Canada
Address: 160 Four Valley Drive, Vaughan, Ontario L4K 4T9
Tel: 1-800-461-3007 • Fax: 1-800-461-8989 • www.assaabloy.ca

International:
ASSA ABLOY Americas International
Tel: 1-905-821-7775 • Fax: 1-905-821-1429 • www.assaabloyai.com

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