Door control and security hardware
Introduction

Since pioneering the first exit device in 1908, Von Duprin life safety products have provided unparalleled quality, performance and flexibility for schools, hospitals, stadiums and public buildings.

From innovative exit devices to electronic access control solutions and accessories, Von Duprin never compromises when lives are at stake.

Von Duprin exit devices meet or exceed domestic and international quality standards. All devices are UL listed for panic or fire hardware and are ANSI certified. Many models are built to resist hurricane conditions.
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Overview
The 4200 Series electric strikes are easy to order, configure in the field and install. This makes it a great choice for commercial applications where traffic control is the primary function.

Compatible with a wide range of cylindrical devices, the 4200 series makes electrifying an opening simple. It is designed and tested to work will all Schlage and Falcon cylindrical locks as well those of many other manufacturers.

With a variety of field configurable options, the 4200 series is able to address a broad range of needs. The power failure mode (fail safe or fail secure) can be changed in the field without disassembling the strike. The 4200 series also features a 12/24 dual-voltage solenoid for field wiring of either input voltage.

Additional factory orderable options provide even greater flexibility. The 4200 series can be ordered with or without latchbolt monitor. Square face plate is offered standard to accommodate hollow metal frames, and rounded corner faceplates are available as an option for aluminum frames. An entry buzzer and rectifier kits are also available options.

The 4200 was developed with Von Duprin’s high standards and engineering expertise. Its heavy duty stainless steel construction is designed to withstand abuse.

Features
- Field configurable 12/24 voltage utilizing dual-voltage internal solenoid
- Field configurable power failure mode (fail-safe/fail-secure)
- Non-handed, internal solenoid design
- Heavy duty stainless steel faceplate
- Latchbolt monitoring standard on 4212 only
- Optional entry buzzer and rectifier kits available for AC to DC operation
- 1 year electrical product warranty

Lockset compatibility
The 4200 series is compatible with all Schlage and Falcon cylindrical locks as well as cylindrical and deadlatch locks of many other manufacturers.

- The 4211 is compatible with locksets with ½" (15 mm) throw latchbolts, or up to ⅞" (19mm) throw latchbolts with a ⅛" door gap.
- The 4212 is compatible with locksets with ⅞" (12.7mm) throw latchbolts, or up to ¼" (15 mm) throw latchbolts with a ⅛" door gap.

Technical specifications

<table>
<thead>
<tr>
<th>Strike</th>
<th>12 VDC</th>
<th>12 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current (amps)</td>
<td>0.20 A</td>
<td>0.10 A</td>
</tr>
<tr>
<td>Latchbolt monitor</td>
<td>30 VDC</td>
<td></td>
</tr>
<tr>
<td>Current (amps)</td>
<td>0.20 A</td>
<td></td>
</tr>
</tbody>
</table>

The 4200 series requires a DC regulated power supply, and the Schlage PS900 series power supplies are recommended.

Model specifications

<table>
<thead>
<tr>
<th>Model number</th>
<th>4211</th>
<th>4212</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latchbolt throw</td>
<td>½&quot;</td>
<td>¾&quot;</td>
</tr>
<tr>
<td>Latchbolt monitor switch</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Face plate length</td>
<td>4 ¾&quot;</td>
<td>4 ¾&quot;</td>
</tr>
<tr>
<td>Backbox depth</td>
<td>1 ½&quot;</td>
<td>1 ½&quot;</td>
</tr>
<tr>
<td>Lockset</td>
<td>Cylindrical</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Deadlatch</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Mortise</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Rim exit devices</td>
<td>---</td>
</tr>
<tr>
<td>Number of doors</td>
<td>Single</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Pair</td>
<td>---</td>
</tr>
<tr>
<td>Door and frame type</td>
<td>Hollow metal</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Aluminum</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Wood</td>
<td>---</td>
</tr>
<tr>
<td>Options</td>
<td>EB (entry buzzer - fail-secure only)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>SO12 &amp; SO24 rectifier kit for AC to DC operation</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Round corner faceplate</td>
<td>---</td>
</tr>
</tbody>
</table>
4200 Series electric strikes dimensions

12 VDC strike wiring
12 VDC input nonpolarized
Orange
Orange-White
Brown
Brown-White

24 VDC strike wiring
24 VDC input nonpolarized
Orange
Orange-White
Brown
Brown-White

Latchbolt monitoring switch (4212 only)
S1
Red
Blue
Yellow
Switch shown with latch status tripper depressed

Ordering information

4200 - S024 - EB

<table>
<thead>
<tr>
<th>Model</th>
<th>Rectifier kit</th>
<th>Buzzer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

* Optional

Selections correspond with the numbers above

1. Model
   4211  See model specification chart to make the proper selection
   4212  See model specification chart to make the proper selection

2. Rectifier kit (optional)
   S012  Converts 12 VAC voltage to 12 VDC to operate the solenoid
   S024  Converts 24 VAC voltage to 24 VDC to operate the solenoid

3. Buzzer (optional)
   EB    Entry Buzzer, with fail-secure (FSE) configured

Standard features
- Power failure mode: Field configurable fail-secure/ fail-safe
- Voltage: Field configurable 12 VDC/24 VDC dual voltage solenoid
- Finish: 630 satin stainless steel
Overview
The Von Duprin 5100 electric strike has been designed and manufactured to meet the needs of locksmiths and security professionals. This easy-to-install electric strike was created for medium-duty applications, specifically to control traffic flow through interior and exterior openings in retail and commercial environments.

The 5100 electric strike is designed for maximum flexibility. It comes standard with three faceplates for hollow metal, wood or aluminum frames in every box. The internal 12/24VDC solenoid provides additional versatility. While the adjustable keeper improves fit for applications with weather stripping or tight door preps. Furthermore, power failure mode is field selectable fail-safe/fail-secure.

With multiple faceplates and flexible options, the 5100 provides added convenience by ensuring the right parts are in the box to get the job done. This reduces labor expense and reduces return trips to the job site.

The 5100 was developed with Von Duprin’s high standards and engineering expertise. Its heavy-duty construction and tamper-resistant design is able to withstand abuse. The 5100 is tested to over one million cycles and provides 1300 lbs holding strength.

Features
- Three faceplates standard in every box
- 12/24 dual-voltage
- Fail-safe/fail-secure
- Adjustable keeper
- Internal solenoid
- Non-handed
- Backbox depth of 1 11⁄16”
- Keeper depth of 1⁄2”
- Mounting tabs
- Retrofit kit
- Illustrated installation instructions
- Tamper resistant
- One year electrical product warranty
- Continuous duty operation
- Heavy duty construction
- Meets BHMA A156.3I, Grade 1 for endurance and dynamic strength, and Grade 2 for static strength
- Static strength 1300 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles

Technical specifications

<table>
<thead>
<tr>
<th>Power options</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC: Regulated power supplies (recommended)</td>
</tr>
<tr>
<td>PS902 power supply</td>
</tr>
<tr>
<td>AD/DC: Conversion</td>
</tr>
<tr>
<td>Von Duprin SO-24 kit</td>
</tr>
<tr>
<td>12VDC 12VDC</td>
</tr>
<tr>
<td>Resistance (ohms)</td>
</tr>
<tr>
<td>32 128</td>
</tr>
<tr>
<td>Power (watts)</td>
</tr>
<tr>
<td>4.5 4.5</td>
</tr>
<tr>
<td>Current (amps)</td>
</tr>
<tr>
<td>0.38 0.19</td>
</tr>
</tbody>
</table>

All specs ±10% @ 77°F/25°C

Model specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>5100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latchbolt throw</td>
<td>1⁄4” to 5⁄8” with 1⁄8” door-frame gap</td>
</tr>
<tr>
<td>Face plate length</td>
<td>4 7⁄8” or 7 15⁄16”</td>
</tr>
<tr>
<td>Depth</td>
<td>1 11⁄16”</td>
</tr>
<tr>
<td>Lockset</td>
<td>Cylindrical</td>
</tr>
<tr>
<td>Door/frame type</td>
<td>Hollow metal, aluminum and wood</td>
</tr>
<tr>
<td>Number of doors</td>
<td>Single</td>
</tr>
<tr>
<td>Certifications</td>
<td>ANSI/BHMA 156.5 Grade 1, UL 1034 burglary listing</td>
</tr>
<tr>
<td>Application notes</td>
<td>Versatile electric strike for aftermarket, covering multiple applications in one SKU.</td>
</tr>
</tbody>
</table>

Lockset compatibility: Keeper depth of 1⁄2” is sufficient to accommodate all cylindrical locks up to 1⁄4” throw and most aluminum narrow stile deadlatches.
5100 Series electric strikes dimensions

Solenoid power requirements: 12 VDC, 0.38 A, 24 VDC, 0.19 A

For DC operation, Von Duprin PS902 series power supply is recommended. For AC operation, Von Duprin SO24 kit is recommended.

Ordering information

<table>
<thead>
<tr>
<th>Model</th>
<th>Rectifier kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5100</td>
<td>SO24</td>
</tr>
</tbody>
</table>

Selections correspond with the numbers above

1  Model
2  Rectifier kit

5100-5024

Standard features
- 24 volts DC
- Fail-secure
- Field convertible to fail-safe
6000 Series electric strikes

Overview

**Von Suprin 6000 Series electric strikes**
Von Suprin is the leading manufacturer of premium, heavy-duty electric strikes known for their reliability, durability and security.

Electric Strikes provide remote release of a locked door. They allow the door to be opened without retracting the latchbolt. This occurs by the releasing of the electric strike lip (sometimes called keeper or gate). When the door closes the beveled latchbolt rides over the lip and falls into the electric strike pocket.

**Von Duprin 6100 Series electric strikes**
Electric strikes for use with rim exit devices

**Von Duprin 6200 Series electric strikes**
Electric strikes for use with mortise/cylindrical electric locks

**Versatility**
- Furnished 24VDC standard with 12VDC and AC operation optional. 16VDC solenoids available.
- Furnished fail secure (FSE) standard, with fail safe (FS) optional.
- Strike box is adjustable to compensate for misalignment of the door or frame.
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing.

**Durability**
Developed with Von Duprin’s high standards and engineering expertise.
- Heavy-duty stainless steel construction. Tested to over 250,000 cycles.

**Features and Benefits**
- Stainless Steel Construction
- Accepts 3/4” (19mm) Throw Latchbolt
- Six Finishes
- Non-handed
- Fail Secure
- Plug Connectors

**Specifications**

<table>
<thead>
<tr>
<th>Resistance in Ohms</th>
<th>12V</th>
<th>24V</th>
</tr>
</thead>
<tbody>
<tr>
<td>±10% @ 70°F</td>
<td>21</td>
<td>82</td>
</tr>
</tbody>
</table>

| Watt-seated @ 70°F | 7.5 | 8 |
| Amps-seated @ 70°F | .6 | .33 |
| Amps-inrush @ 70°F | .6 | .33 |

To order, specify
1. **Model number**
2. **FS** (fail safe, when required)
3. **DS** or **DS-LC** (dual switch, when required)
4. **Voltage** 12VDC or 24VDC
   - For 16V solenoids order separately
5. **SO12** or **SO24** (required when using AC)
7. **EB** (Entry buzzer), **FSE** only (when required)

**Options**

**AC operation**
SO12 and SO24 are rectifier kits to convert AC voltage to operate the DC solenoids. These kits are field installable and plug in-line to solenoid.

**DS and DS-LC — Dual switch monitoring (Factory Installed Only)**
Dual switch monitoring option has two SPDT contacts, one switch monitors the tripper which is depressed when the latchbolt is inserted into the strike pocket. The second switch monitors the condition of the strike lip, open or closed and locked.

**DS** is standard, rated 24V, operating range from 2 ampere to 50 milliampere.

**DS-LC** low current gold contact switches for use on applications associated with computer control and monitoring, rated 24V, operating range 50 milliampere or below.

**Fail secure — FSE**
FSE — FAIL-SECURE electric strikes require power to be applied to unlock the strike lip. On loss of power, the strike is locked. Field convertible with parts.

**Fail safe — FS**
FS — FAIL-SAFE electric strikes require power to be applied to lock the strike lip. On loss of power, the strike is unlocked. Building codes prohibit the use of fail-safe strikes on labeled openings. Field convertible with parts.

**Entry buzzer — EB**
EB — Entry buzzer is available for use with fail-secure strikes. Installed in the frame and in parallel with the circuit, the buzzer will sound when the strike is unlocked.

**UL listed**
UL Listed Burglary-Resistant and Electric Strike for fire doors and frames. A label for single doors and B label for double doors. Strikes meet the requirements of ANSI 156.5, Grade 1, 1992.

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Note: Information listed is for use on new applications. On retrofit applications, modification of the frame preparation may be required, consult factory.

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* Dual Monitor Switches (DS or DS-LC) are not available on open back strikes.
6100 Series strikes for rim exit devices

Overview
Von Duprin electric strikes are known for their reliability, durability and security. The 6100 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed and ANSI/BHMA Grade 1, 1500 lb hold force rated.

6100 Series electric strikes are designed for use with a variety of rim exit devices. They interface with the latch mechanism of the exit device. The movable lip (keeper) allows a door to open even when the latch bolt is extended. This feature, called remote release, provides added benefits such as increased convenience and efficiency. The 6100 Series also provides added security and traffic control.

6100 Series electric strikes can be used for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

The power failure mode of the 6100 can be specified at the time of order. Fail-secure is available for fire rated openings. In a fail-secure application, the door is normally locked. To unlock the door, power must be applied. Fail-safe strikes which are commonly used for life safety applications are non-fire-rated. To unlock a fail-safe strike, power is removed. The 6100 comes standard 24 VDC; 12 VDC and AC operation are optional.

Features and benefits
- Non-handed design provides greater flexibility
- Strike box is adjustable to compensate for misalignment of the door or frame
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing
- ANSI 156.5 Grade 1, 1500 lb hold force rated
- UL1034 burglary-resistant and UL10C electric strike for fire door
- Six finishes available to suite with existing hardware
- Durable stainless steel construction
- 24 VDC standard with 12 VDC and AC operation optional
- Meets BHMA A156.31, Grade 1 for endurance and strength
- Static strength 1300 lbs
- Dynamic strength 70 fl-labs
- Endurance 1,000,000 cycles

Model specifications

<table>
<thead>
<tr>
<th>Model number</th>
<th>6111</th>
<th>6112</th>
<th>6113</th>
<th>6114</th>
<th>6121</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retrosfits model</td>
<td>VD 3031</td>
<td>FA 310-4</td>
<td>VD 3011, VD 3021</td>
<td>FA 310-5</td>
<td>FA 310-4-100</td>
</tr>
<tr>
<td>Latchbolt throw</td>
<td>7/8&quot;</td>
<td>7/8&quot;</td>
<td>7/8&quot;</td>
<td>7/8&quot;</td>
<td>7/8&quot;</td>
</tr>
<tr>
<td>Face plate length</td>
<td>6&quot;</td>
<td>9&quot;</td>
<td>6&quot;</td>
<td>7&quot;</td>
<td>9/16&quot;</td>
</tr>
<tr>
<td>Backbox depth</td>
<td>1 1/8&quot;</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;</td>
<td>---</td>
<td>N/A</td>
</tr>
<tr>
<td>Lockset</td>
<td>Rim exit device</td>
<td>Rim exit device</td>
<td>Rim exit device</td>
<td>Rim nightlatch</td>
<td>Rim exit device</td>
</tr>
<tr>
<td>Number of doors</td>
<td>Single</td>
<td>Double door with mullion</td>
<td>Double door without mullion</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Door/frame type</td>
<td>Hollow metal</td>
<td>Aluminum</td>
<td>Wood</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Options</td>
<td>Blade stop shim</td>
<td>DS or DS-LC (dual monitor switches)</td>
<td>EB (entry buzzer - fail-secure only)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Certifications</td>
<td>UL1034, UL10C, ANSI/BHMA 156.5 Grade 1, 1500 lb hold-force rated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application notes</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Note: 16 VDC and 28 VDC solenoid are sold as replacement parts for existing strikes. Please contact customer care for details.

Application notes:
1. For use with rim exit devices on single doors or double doors with mullion applications. 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Specify when using 55 rim devices. May also be used with vertical rod exit devices noted on previous page x Pullman latch LBR. Non-fired-rated.
2. For use with rim exit devices on single door applications. Designed to replace Folger Adam 310-4, minor flame prep modification required.
3. 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Non-fire rated.
4. Surface applied strike for use with rim nightlatches on single door applications. Designed to replace Folger Adam 310-5, with different mounting hole locations from Folger Adam.
5. Non-fire rated. For use with rim exit devices on double door applications without mullion. Strike mounts on inactive leaf. Replace Folger Adam 310-4-100.

Rim exit device compatibility
6111, 6112, 6113 & 6121 Strikes

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>Von Duprin</td>
<td>22, 33A, 35A, 55, 88, 98, 99</td>
</tr>
<tr>
<td></td>
<td>8827 LBR*, x Pullman latch Non-Fire rated</td>
</tr>
<tr>
<td></td>
<td>9827 LBR*, x Pullman latch Non-Fire rated</td>
</tr>
<tr>
<td></td>
<td>9927 LBR*, x Pullman latch Non-Fire rated</td>
</tr>
<tr>
<td>Falcon Doromatic</td>
<td>790</td>
</tr>
<tr>
<td>Precision</td>
<td>2100</td>
</tr>
<tr>
<td>Sargent</td>
<td>2800, 6500, 6800, 8500, 8800, 9500, 9800*, 9898</td>
</tr>
<tr>
<td>Yale</td>
<td>1500, 700</td>
</tr>
</tbody>
</table>

1. Strike must be factory modified, specify when using with a 55 Rim device
2. Deadlocking feature will not properly function, consult factory
3. Panic only, Not fire-rated
4. 6111 is recommended for LBR applications

Note: When using a lockset not listed or when retrofitting an existing application, please contact Von Duprin technical support for application assistance.
6100 Series strikes dimensions

### Wiring

**AC**

- 24 V
- 12 V
- AC Supply
- Wht
- Red 24 V
- Blk 24 V
- P1A
- P1
- So Kit
- Solenoid

**AC with buzzer**

- 24 V
- 12 V
- AC Supply
- Wht
- Red 24 V
- Yel 12 V
- Yel 12 V
- P1A
- J1
- P1
- So Kit
- Solenoid

**DC**

- 24 V
- 12 V
- DC Supply
- Wht
- Blk 24 V
- Yel 12 V
- P1
- So Kit
- Solenoid

**DC with buzzer**

- 24 V
- 12 V
- DC Supply
- Wht
- Blk 24 V
- Yel 12 V
- P1
- So Kit
- Solenoid

**Optional DS (FSE shown)**

- Wiring shown with strike locked and monitor tripper depressed
- S1
- S2
- Red
- Blue
- Yellow
- White
- Gray
- Violet

Different wiring configurations are used depending on Backbox type and F5 or FSE.

### 6100 Series specifications

<table>
<thead>
<tr>
<th>Voltage</th>
<th>12V</th>
<th>24V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance in Ohms</td>
<td>±10% @ 70°F</td>
<td>21</td>
</tr>
<tr>
<td>Watt-seated @ 70°F</td>
<td></td>
<td>7.5</td>
</tr>
<tr>
<td>Amps-seated @ 70°F</td>
<td></td>
<td>0.6</td>
</tr>
<tr>
<td>Amps-inrush @ 70°F</td>
<td></td>
<td>0.6</td>
</tr>
</tbody>
</table>

### Dimensions

**6111**

- 6" (152mm)
- 1 5/8" (41mm)
- 7/8" (22mm)
- 2 7/8" (72mm)
- 3 1/2" (89mm)
- 4 1/2" (114mm)
- 1 5/8" (41mm)
- 1 11/16" (43mm)

**6112**

- 6" (152mm)
- 1 5/8" (41mm)
- 7/8" (22mm)
- 2 7/8" (72mm)
- 3 1/2" (89mm)
- 4 1/2" (114mm)
- 1 5/8" (41mm)
- 1 11/16" (43mm)

**6113**

- 7/8" (22mm)
- 1 5/8" (41mm)
- 2 7/8" (72mm)
- 3 1/2" (89mm)
- 4 1/2" (114mm)
- 1 5/8" (41mm)
- 1 11/16" (43mm)

**6114**

- 7/8" (22mm)
- 1 5/8" (41mm)
- 2 7/8" (72mm)
- 3 1/2" (89mm)
- 4 1/2" (114mm)
- 1 5/8" (41mm)
- 1 11/16" (43mm)

**6121**

- 7/8" (22mm)
- 1 5/8" (41mm)
- 2 7/8" (72mm)
- 3 1/2" (89mm)
**6100 Series how to order**

### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Power failure mode</th>
<th>Dual switch</th>
<th>Voltage</th>
<th>Rectifier kit</th>
<th>Finish</th>
<th>Buzzer</th>
</tr>
</thead>
<tbody>
<tr>
<td>6111</td>
<td>See chart on page 3 to make the proper selection</td>
<td>DS</td>
<td>24 VDC</td>
<td></td>
<td>US3</td>
<td>EB</td>
</tr>
<tr>
<td>6112</td>
<td>See chart on page 3 to make the proper selection</td>
<td>DS-LC</td>
<td>24 VDC</td>
<td></td>
<td>US3</td>
<td>EB</td>
</tr>
<tr>
<td>6113</td>
<td>See chart on page 3 to make the proper selection</td>
<td>DS</td>
<td>12 VDC</td>
<td></td>
<td>US3</td>
<td>EB</td>
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<td>6114</td>
<td>See chart on page 3 to make the proper selection</td>
<td>DS-LC</td>
<td>12 VDC</td>
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<td>US3</td>
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<tr>
<td>6121</td>
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<td>DS</td>
<td>24 VDC</td>
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<td>EB</td>
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* Optional

**Selections correspond with the numbers above**

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<td>Power failure mode</td>
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<tr>
<td>3</td>
<td>Dual switch (optional)</td>
<td>DS</td>
<td>Monitors latch bolt and lock status. DS switches rated at 24 VDC 50 milliampere - 2 amps. DS switches rated 24 VDC 50 milliampere or less. DS-LC Optional for computer monitoring. Monitors latch bolt &amp; lock status. DS switches rated 24 VDC 50 milliampere or less.</td>
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<td>4</td>
<td>Voltage (VDC)</td>
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<td>Low voltage DC power</td>
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<td></td>
<td></td>
<td>12</td>
<td>Low voltage DC power</td>
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<td>5</td>
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<td>Converts 12 VAC voltage to 12 VDC to operate the solenoid</td>
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<td>SO24</td>
<td>Converts 24 VAC voltage to 24 VDC to operate the solenoid</td>
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<td>US number/Von Duprin number</td>
<td>US3/85</td>
<td>Plated polished brass on stainless steel</td>
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<tr>
<td></td>
<td></td>
<td>US4/84</td>
<td>Plated dull brass on stainless steel</td>
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<td></td>
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<td>US10/06</td>
<td>Plated dull bronze on stainless steel</td>
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<td></td>
<td></td>
<td>US10B/86</td>
<td>Plated dark bronze on stainless steel</td>
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<td></td>
<td></td>
<td>US32/31</td>
<td>Stainless steel, polished</td>
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<tr>
<td></td>
<td></td>
<td>US32D/32</td>
<td>Stainless steel, satin</td>
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<td>7</td>
<td>Buzzer (optional)</td>
<td>EB</td>
<td>Entry Buzzer. Only available if Fail-Secure (FSE) is specified.</td>
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</tr>
</tbody>
</table>

FSE Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. Fire-rated.

FS Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. Non-fire-rated.
6200 Series strikes for mortise or cylindrical devices

Overview
Von Duprin electric strikes are known for their reliability, durability and security. The 6200 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed and ANSI/BHMA Grade 1, 1500 lb hold force rated.

6200 Series strikes are designed for use with a variety of mortise or cylindrical locksets, as well as mortise exit devices. It interfaces with the latch mechanism of the exit device. The 6200 Series movable lip (keeper) allows a door to open, even when the latch bolt is extended. This feature, called remote release provides added benefits such as increased convenience and efficiency. The 6200 Series also provides added security and traffic control.

6200 Series electric strikes can be used for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

The power failure mode of the 6200 Series can be specified at the time of order. Fail-secure is available for fire rated openings. In a fail-secure application, the door is normally locked. To unlock the door power must be applied. Fail-safe strikes, which are commonly used for life safety applications, are non-fire rated. To unlock a fail-safe strike, power is removed. The 6200 Series comes standard with 24 VDC; 12 VDC and AC operation are optional.

Features and benefits
- Non handed design provides greater flexibility
- Strike box is adjustable to compensate for misalignment of the door or frame
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing
- ANSI 156.5 Grade 1, 1500 lb hold-force rated
- UL1034 Burglary-Resistant and UL10C Electric Strike for Fire Door
- Six finishes available to suite with existing hardware
- Durable stainless steel construction
- 24 VDC standard with 12 VDC and AC operation optional
- Meets BHMA A156.31, Grade 1 for endurance and strength
- Static strength 1300 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>12V</th>
<th>24V</th>
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<td>Resistance in Ohms:10% @ 70°F</td>
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<td>82</td>
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<td>Watt-seated @ 70°F</td>
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<td>8</td>
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<tr>
<td>Amps-seated @ 70°F</td>
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<td>0.33</td>
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<tr>
<td>Amps-inrush @ 70°F</td>
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<td>0.33</td>
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Mortise Lockset Compatibility

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 & 6226 Strikes

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<tr>
<th>Manufacturer</th>
<th>Model Number</th>
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<tbody>
<tr>
<td>Von Duprin</td>
<td>7500</td>
</tr>
<tr>
<td>Adams Rite</td>
<td>4510, 4710</td>
</tr>
<tr>
<td>Baldwin</td>
<td>6000</td>
</tr>
<tr>
<td>Best</td>
<td>24H, 30H</td>
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<tr>
<td>Corbin</td>
<td>9000</td>
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<tr>
<td>Falcon</td>
<td>M2300, M2500, M2600, M3300, M3500, M3600</td>
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<tr>
<td>Precision</td>
<td>Mortise</td>
</tr>
<tr>
<td>Russwin</td>
<td>Mortise</td>
</tr>
<tr>
<td>Sargent</td>
<td>7700, 8100, 9000</td>
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<tr>
<td>Schlage</td>
<td>L9000, K30, K40, K50, K60</td>
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<tr>
<td>Yale</td>
<td>7030, 7130, 8600, 8700</td>
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Cylindrical Lockset Compatibility

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 & 6226 Strikes

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<th>Model Number</th>
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<td>/&quot; - 7/16&quot; (11mm – 19mm)</td>
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<tr>
<td>Best</td>
<td>/&quot; - 7/16&quot; (10mm – 19mm)</td>
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<tr>
<td>Corbin</td>
<td>/&quot; - 7/16&quot; (13mm – 19mm)</td>
</tr>
<tr>
<td>Falcon</td>
<td>/&quot; - 7/16&quot; (13mm – 19mm)</td>
</tr>
<tr>
<td>Russwin</td>
<td>/&quot; - 7/16&quot; (13mm – 19mm)</td>
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<td>Sargent</td>
<td>/&quot; - 7/16&quot; (13mm – 19mm)</td>
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<tr>
<td>Schlage</td>
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<tr>
<td>Yale</td>
<td>/&quot; - 7/16&quot; (13mm – 19mm)</td>
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</tbody>
</table>

1. Von Duprin cannot guarantee compatibility as other manufacturer’s designs may change without notice.
2. Signalling may not function when using 3/8" (10mm) throw bolt. Deadlocking cannot be guaranteed with all locks.
3. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for assistance.
6200 Series strikes for mortise or cylindrical devices

Wiring

AC

AC Supply

24 V 12 V
J1

Wht

PTA

So Kit

Red 24 V

Yel 12 V

Bk 24 V

DC

DC Supply

24 V 12 V
J1

Bk 24 V

Yel 12 V

Solenoid

DC with buzzer

AC with buzzer

Optional DS (FSE shown)

Wiring shown with strike locked and monitor trippler depressed

Model Specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>6210</th>
<th>6211</th>
<th>6211AL</th>
<th>6211WF</th>
<th>6212</th>
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<td>VD 3140, FA 712</td>
<td>FA 722</td>
<td>FA 732</td>
<td>VD 3146</td>
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<td>7/8&quot;</td>
<td>7/8&quot;</td>
<td>7/8&quot;</td>
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<td>4 7/8&quot;</td>
<td>4 7/8&quot;</td>
<td>6 7/8&quot;</td>
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<tr>
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<td>1 21/32&quot;</td>
<td>1 21/32&quot;</td>
<td>4 1/2&quot;</td>
<td>1 21/32&quot;</td>
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<td>Lockset</td>
<td>Mortise</td>
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<td></td>
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<tr>
<td>Options</td>
<td>DS or DS-LC (dual monitor switches)</td>
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<td></td>
<td>EB (Entry buzzer - fail secure only)</td>
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<td>28 VDC AC rectifier kit</td>
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<tr>
<td>Application notes</td>
<td>1 2 3 4 5</td>
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</tbody>
</table>

Application notes:

1. For use with mortise locks without deadbolt on single door, hollow metal frame applications and using ANSI prep at standard height. Strike pocket inserts are provided to accommodate different manufacturers deadlocking trigger locations.
2. For use on new installations with mortise locks without deadbolt or cylindrical locks on single door, hollow metal frame applications. Designed to replace Von Duprin 3140 or Folger Adam 712.
3. For use on new installations with mortise locks without deadbolt or cylindrical locks on single door, aluminum frame applications.
4. For use on new installations with mortise locks without deadbolt or cylindrical locks on single door wood frame applications. Designed to replace Folger Adams 732. Wood frame horizontal solenoid location differs from Folger Adams. Requires additional frame prep when retrofitting.
5. For use with mortise locks without deadbolt or cylindrical locks on single door, hollow metal or aluminum frame applications. Fits modified ANSI 115.2 cutout. Designed to replace Von Duprin 3146.
### Model Specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>6212WF</th>
<th>6213</th>
<th>6214</th>
<th>6215</th>
<th>6216</th>
<th>6221</th>
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<tr>
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<td>FA 3041, 3042, 3061, 3062</td>
<td>FA 310-2 3/4</td>
<td>FA 310-2</td>
<td>FA 310-3-1</td>
<td>FA 3071 &amp; 3072</td>
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<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
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<td>Face plate length</td>
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<td>9&quot;</td>
<td>9&quot;</td>
<td>9&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>Backbox depth</td>
<td>4 1/8&quot;</td>
<td>2 3/8&quot;</td>
<td>1 1/8&quot;</td>
<td>1 1/8&quot;</td>
<td>3 7/8&quot;</td>
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</tr>
<tr>
<td># Doors</td>
<td>Single</td>
<td>•</td>
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</tr>
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<td>Door &amp; frame type</td>
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<td>•</td>
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<td>•</td>
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</tbody>
</table>

### Application notes

6. For use with mortise locks without deadbolt or cylindrical locks on single door, wood frame applications.
7. For use with mortise locks without deadbolt or cylindrical locks on single door hollow metal or aluminum frame applications (includes wood frame on retrofit applications). Designed to replace Von Duprin 3041, 3042, 3061 and 3062.
8. For use with mortise locks without deadbolt or cylindrical locks on single door hollow metal or aluminum frame applications. Designed to replace Folger Adams 310-2 3/4.
9. For use with mortise locks without deadbolt or cylindrical locks on single door hollow metal or aluminum frame applications. Designed to replace Folger Adams 310-2.
10. For use with mortise locks with deadbolt 1" throw on single door hollow metal aluminum or wood frame applications. Deadbolt must be manually operated. Designed to replace Folger Adams 310-3-1.
11. Open back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) thick double door applications. 4 7/8" (120mm) minimum stile required. For a concealed vertical rod and mortise device combination, specify "A" backbox.
12. Open back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) thick double door applications. 4 7/8" (120mm) minimum stile required. For a concealed vertical rod and mortise device combination, specify "A" backbox.
13. Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) thick double door applications. 4 7/8" (120mm) minimum stile required. For a concealed vertical rod and mortise device combination, specify "A" backbox.
14. Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) or 2 1/4" (57mm) thick double door applications.
15. Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) or 2 1/4" (57mm) thick double door applications.
16. Open back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) or 2 1/4" (57mm) thick double door applications.
17. Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) or 2 1/4" (57mm) thick double door applications.
6200 Series strikes dimensions

Dimensions

6210

6211

6212

6212WF

6213

6215

6216

6211AL

6214

6216

6211WF

6215

6216
6200 Series strikes dimensions

**Dimensions**

**6223**

- Depth: 2 7/8" (75mm)
- Width: 2 5/8" (66mm)
- Height: 2 5/8" (66mm)
- Minimum Clearance: 1 1/2" (38mm)

**6224**

- Depth: 3 3/4" (95mm)
- Width: 2 3/4" (68mm)
- Height: 2 3/4" (68mm)
- Minimum Clearance: 2 1/4" (57mm)

**6224AL**

- Depth: 3 3/4" (95mm)
- Width: 2 3/4" (68mm)
- Height: 2 3/4" (68mm)
- Minimum Clearance: 2 1/4" (57mm)

**6225**

- Depth: 2 1/2" (63mm)
- Width: 2 1/4" (57mm)
- Height: 2 1/4" (57mm)
- Minimum Clearance: 1 1/2" (38mm)

**6126**

- Depth: 1 1/8" (28mm)
- Width: 1 1/8" (28mm)
- Height: 1 1/8" (28mm)
- Minimum Clearance: 0" (0mm)

**Ordering information**

6210 - FSE - DS - 24 - S024 - US3 - EB

<table>
<thead>
<tr>
<th>Model</th>
<th>Power failure mode</th>
<th>Dual switch</th>
<th>Voltage</th>
<th>Rectifier kit</th>
<th>Finish</th>
<th>Buzzer*</th>
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<td>US3/85 Plated polished brass on stainless steel</td>
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</tbody>
</table>

**Selections correspond with the numbers above**

1. Model
2. Power failure mode
   - FSE: Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. **Fire-rated.**
   - FS: Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. **Non-fire-rated.**
3. Dual switch (optional)
   - DS: Monitors latch bolt and lock status. DS switches rated at 24 VDC 50 milliampere - 2 amps.
   - DS-LC: Optional for computer monitoring. Monitors latch bolt & lock status. DS-LS switches rated 24 VDC 50 milliampere or less.
4. Voltage (VDC)
   - 24: Low voltage DC power
   - 12: Low voltage DC power
5. Rectifier kit (optional)
   - S012: Converts 12 VAC voltage to 12 VDC to operate the solenoid
   - S024: Converts 24 VAC voltage to 24 VDC to operate the solenoid
6. Finish
   - US3/85: Plated polished brass on stainless steel
   - US4/84: Plated dull brass on stainless steel
   - US10/06: Plated dull bronze on stainless steel
   - US10B/86: Plated dark bronze on stainless steel
   - US32/31: Stainless steel, polished
   - US32D/32: Stainless steel, satin
7. Buzzer (optional)
   - EB: Entry Buzzer. Only available if Fail-Secure (FSE) is specified.
6300 Series surface mounted strike for rim exit devices

Overview
Von Duprin electric strikes are known for their reliability, durability and security. The 6300 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed.

6300 Series electric strikes are designed for use with a variety of rim devices. It interfaces with the latch mechanism of the exit device. The movable lip (keeper) allows a door to open even when the latch bolt is extended. This feature, called remote release, provides added benefits such as increased convenience and efficiency. The 6300 Series also provides added security and traffic control.

6300 Series electric strikes are ideal for aftermarket applications. It is easy to install without modifying or altering the door frame. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

The 6300 is fail-secure (FSE) only to achieve compliance with UL10C for fire-rated openings. In a fail-secure application, the door is normally locked. To unlock the door, power must be applied. The 6300 strike can be used with either 12VDC or 24VDC. There are 2 connectors that ship with it and the appropriate connector for either 12VDC or 24VDC will be used, based upon the available voltage at the opening.

Features
- Non-handed design provides greater flexibility
- Requires no alteration or cutting to existing frame
- UL1034 burglary-resistant and UL10C electric strike for fire door
- Stainless steel (satin) finish
- Durable stainless steel construction
- Field selectable voltage 12VDC or 24VDC
- Meets BHMA A156.31, Grade 1 for endurance and strength
- Static strength 1300 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Current</th>
<th>Duty</th>
<th>Amps</th>
<th>Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>6300</td>
<td>12V DC</td>
<td>0.50</td>
<td>Continuous</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>6300</td>
<td>24V DC</td>
<td>0.24</td>
<td>Continuous</td>
<td>89</td>
<td></td>
</tr>
</tbody>
</table>

Rim exit device compatibility 6300 strikes

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Von Duprin</td>
<td>VD 22/22-F Rim</td>
</tr>
<tr>
<td>Von Duprin</td>
<td>VD 33A/35A Rim</td>
</tr>
<tr>
<td>Von Duprin</td>
<td>VD 55 Rim</td>
</tr>
<tr>
<td>Von Duprin</td>
<td>VD 88/88-F Rim device</td>
</tr>
<tr>
<td>Von Duprin</td>
<td>VD 98/99 and 98/99-F Rim</td>
</tr>
<tr>
<td>Falcon</td>
<td>Falcon 24/24-F Rim</td>
</tr>
<tr>
<td>Falcon</td>
<td>Falcon 25/25-F Rim</td>
</tr>
<tr>
<td>Falcon</td>
<td>Falcon 19/19-F Rim</td>
</tr>
<tr>
<td>Falcon Doromatic</td>
<td>Falcon Doromatic 1790</td>
</tr>
<tr>
<td>Falcon Doromatic</td>
<td>Falcon Doromatic 2090</td>
</tr>
</tbody>
</table>

Model specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>Retrofits model</th>
<th>Latchbolt throw</th>
<th>Face plate length</th>
<th>Projection</th>
<th>Lockset</th>
<th># Doors</th>
<th>Door/frame type</th>
<th>EB (entry buzzer)</th>
<th>Certifications</th>
<th>Application notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>6300</td>
<td>N/A</td>
<td>1/4&quot;</td>
<td>9&quot;</td>
<td>1/4&quot;</td>
<td>Rim exit device</td>
<td>Single or pair with mullion</td>
<td>Hollow metal, aluminum and wood</td>
<td>Optional</td>
<td>UL1034, UL10C</td>
<td>Surface mounted electric strike ideal for aftermarket applications. Strike designed for use with Von Duprin 98/99, however it can be used with most rim exit devices.</td>
</tr>
</tbody>
</table>
6300 Series dimensions

DC = Direct current
Continuous duty = Energized 1 min. or more

Note: When using device not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

Ordering information

6300 - S024 - EB

<table>
<thead>
<tr>
<th>Model</th>
<th>Rectifier kit*</th>
<th>Buzzer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6300</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

* Optional

1 Model
6300 Surface mounted strike for rim exit devices
2 Rectifier kit (optional)
S012 Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024 Converts 24 VAC voltage to 24 VDC to operate the solenoid
3 Buzzer (optional)
EB Entry buzzer

Standard features
- Power failure mode: Fail-Secure (FSE)
- Voltage: field selectable 24 VDC or 12 VDC
- Finish: stainless steel, satin (US32D/32)
### Cross reference

<table>
<thead>
<tr>
<th>Name</th>
<th>Strike/Lock mounting</th>
<th># Doors</th>
<th>Faceplate length</th>
<th>Drop in replaces Von Duprin:</th>
<th>Drop in replaces Folger Adam:</th>
</tr>
</thead>
<tbody>
<tr>
<td>611</td>
<td>Rim device</td>
<td>Single</td>
<td>6&quot;</td>
<td>3031</td>
<td></td>
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<tr>
<td>612</td>
<td>Rim device</td>
<td>Single</td>
<td>9&quot;</td>
<td>310-44</td>
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<tr>
<td>613</td>
<td>Rim device</td>
<td>Single</td>
<td>6&quot;</td>
<td>3011, 3021</td>
<td></td>
</tr>
<tr>
<td>614</td>
<td>Rim nightlatch</td>
<td>Single</td>
<td>7&quot;</td>
<td>310-55</td>
<td></td>
</tr>
<tr>
<td>6121</td>
<td>Rim device</td>
<td>Double-closed back</td>
<td>9&quot;</td>
<td>310-4-1005</td>
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<tr>
<td>6210</td>
<td>Mortise</td>
<td>Single</td>
<td>4 1/4&quot;</td>
<td>3140</td>
<td>712</td>
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<tr>
<td>6211</td>
<td>Mortise or cylindrical</td>
<td>Single</td>
<td>4 1/4&quot;</td>
<td>3140</td>
<td>722</td>
</tr>
<tr>
<td>6211AL</td>
<td>Mortise or cylindrical</td>
<td>Single</td>
<td>4 1/4&quot;</td>
<td>3140</td>
<td>7326</td>
</tr>
<tr>
<td>6212</td>
<td>Mortise or cylindrical</td>
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<td>3146</td>
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<td>6 1/4&quot;</td>
<td>3146</td>
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<td>6&quot;</td>
<td>3041, 42, 61, 62</td>
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<tr>
<td>6214</td>
<td>Mortise or cylindrical</td>
<td>Single</td>
<td>9&quot;</td>
<td>310-2 3/4</td>
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<tr>
<td>6215</td>
<td>Mortise or cylindrical</td>
<td>Single</td>
<td>9&quot;</td>
<td>310-2</td>
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<tr>
<td>6216</td>
<td>Mortise and deadbolt</td>
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<td>9&quot;</td>
<td>310-3-1</td>
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<td>6221</td>
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<td>Double-open back</td>
<td>6&quot;</td>
<td>3071, 72</td>
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<tr>
<td>6222</td>
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<td>310-2 3/4 OB</td>
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</tr>
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<tr>
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<td>310-2 3/4</td>
<td></td>
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<tr>
<td>6224AL</td>
<td>Mortise or cylindrical</td>
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<td>9&quot;</td>
<td>310-2 RF</td>
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<tr>
<td>6225</td>
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<td>310-2 OB</td>
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</tr>
<tr>
<td>6226</td>
<td>Mortise or cylindrical</td>
<td>Double-open back</td>
<td>9&quot;</td>
<td>310-2</td>
<td></td>
</tr>
</tbody>
</table>

1 Includes double door with Mullion.
2 Recommended on wood frames only if drop in replacement is needed for 3041, 42, 61, 62 on wood frames. Otherwise use 6211WF.
3 Recommended on wood frames only if drop in replacement is needed for 310-2 3/4, 310-2 on wood frames. Otherwise use 6211WF.
4 Strike lip area cutout is slightly larger than Folger Adam.
5 Surface applied strike. Mounting hole locations different from Folger Adam.
6 Wood frame horizontal solenoid location differs from Folger Adam. May require frame prep modification when retrofitting.
E996L Electrified Breakaway™ lever trim

E996L Electrified Breakaway lever trim provides remote locking and unlocking capabilities while incorporating the patented Breakaway trim design.

The 24VDC solenoid can be energized from a distant controller, thus allowing access control of the opening. The control of stairwells in high-rise buildings is a common application for this trim.

When electrically unlocked the unit operates as a normal lever trim. When electrically locked, the lever feels locked, but when more than 35 pounds of torque pressure is applied, the Breakaway lever feature engages.

The E996L is provided standard in a fail safe (FS) condition, but can be field converted to a fail secure (FSE) where allowed. The trim can be ordered with a device, added to an existing 98/99 series device application, or a conversion kit can be added to an existing 996L Breakaway lever trim. On new construction applications, the E996L trim will require less door prep.

The E996L is available with a blank escutcheon (BE) function, or with cylinder operation for night latch (NL) function.

The E996L electrified trim replaces the current “E” electric feature on 98/99 series rim devices. Consult factory for requirements.

To order, specify:

1. Use “E” prefix, example E996L. When ordering with device specify trim series with “E” prefix, example 9927L-BE 3” US26D E996.

2. Device type, R/V (rim/surface or concealed vertical rod) or M (mortise).

3. RHR is furnished standard if not specified. Field reversible.

4. Lever style (06 lever is furnished standard).


---

**Specifications**

- Solenoid – continuous duty 24VDC
- Solenoid draw – 0.22 amp

**E996L Electrical wiring**

- Power input for E996L is 24VDC
- Two wires on trim are non-polarized (18 AWG minimum)
Lever styles

Decorative Levers

<table>
<thead>
<tr>
<th>MS1</th>
<th>MS2</th>
<th>MS3</th>
<th>MS4</th>
<th>MS5</th>
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<tr>
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<th>M58</th>
<th>M59</th>
<th>M60</th>
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<table>
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<tr>
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<th>M63</th>
<th>M64</th>
<th>M65</th>
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</thead>
<tbody>
<tr>
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<td>Handed</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
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<th>MB2</th>
<th>MB3</th>
<th>MB4</th>
<th>MB5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knurling available</td>
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<td></td>
<td></td>
<td>Handed</td>
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</tbody>
</table>

**Available in Stainless Steel substrate ONLY.**

Standard Levers

<table>
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<tr>
<th>01</th>
<th>02</th>
<th>03*</th>
<th>05</th>
<th>06*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knurling available</td>
<td>Knurling available</td>
<td></td>
<td></td>
<td>Default lever Knurling available</td>
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</table>

<table>
<thead>
<tr>
<th>07</th>
<th>12</th>
<th>16*</th>
<th>17*</th>
<th>18</th>
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<tr>
<td>Handed</td>
<td>Omega</td>
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<th>ACC</th>
<th>AST</th>
<th>MER</th>
<th>STA</th>
<th>LAT*</th>
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</thead>
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<td>(Accent) Handed</td>
<td>(Asti) Handed</td>
<td>(Merano) Handed</td>
<td>(St. Annes) Handed</td>
<td>Latitude</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>LON*</th>
<th>Longitude</th>
</tr>
</thead>
</table>

*Available in Stainless Steel - specify SS when ordering
EL/QEL Electric latch retraction

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

If manual hex-key dogging is required, specify HD-EL. If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-EL. SD-EL is not available on the 9875 or 9975 devices.

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

UL approved for Class II circuit applications.

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

The PS914 with the 9002RS option card is the minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

To order, specify:
- Standard — use prefix EL, example EL99L.
- Hex Key dogging — Use prefix HD-EL, example HD-EL99L
- Special center case dogging — Use prefix SD-EL, example SD-EL99L

**Solenoid specifications:**
- Continuous duty – 24 VDC
  - grn-yel 1.2 – 2.2 OHMS
  - grn-org 100 – 150 OHMS
- Current holding – 0.3 Amps

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

If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-QEL. SD-QEL is not available on the 9875 or 9975 devices.

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

UL approved for Class II circuit applications.

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

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

The QEL has a low in rush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

**QEL Electrical load**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>1.0 A Inrush (0.5 sec.) / 0.14 A Holding</td>
</tr>
</tbody>
</table>

The 900-2RS option board designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

Schlage PS902     |  up to 2 amps |
Schlage PS904     |  up to 4 amps |
Schlage PS906     |  up to 6 amps |

To order, specify:
- Standard — use prefix QEL, example QEL99L.
- Special center case dogging — use prefix SD-QEL, example SD-QEL99L

**Popular application**

Power supply PS902-2RS
Electric power transfer EPT-2 or EPT-10

**Wire selection**

- Switch wire size
  - 1200 ft. Max. 18 AWG

---

1. Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS902/option board and the device.
2. Table is applicable to devices that have shipped after August 2012.
RX/LX Switches

RX  Request to exit
The RX (2xit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

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

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

To order, specify:
- Standard – Use prefix RX, example RX99EO
- Low Current – Use prefix RX-LC, example RX-LC98EO

RX2  Double request to exit
The RX2 feature uses two RX switches.

To order, specify:
- Standard – Use prefix RX2, example RX299EO

WP-RX  Waterproof request to exit

LX  Latchbolt monitoring
The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

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

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

To order, specify:
- Standard – Use prefix LX, example LX99EO
- Low Current – Use prefix LX-LC, example LX-LC98EO

Electrical rating for all switches:
- Standard – 2 Amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

Note: All switches can be either factory or field installed
Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the 1/4" (32mm) mortise cylinder with straight cam for alarm “bypass.” (Schlage cam reference B502-191). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.


The SS mortise lock device is furnished with both the signal switch device and the SS7500 mortise lock. The SS7500 mortise lock has the versatility and advantages of the 7500 lock with the addition of signalling functions to monitor latch bolt operation and the trim locking function. The SS7500 mortise lock is supplied standard with the SS mortise lock device.

To order, specify:
1. Prefix SS, example SS99L.
2. Handing required, LHR or RHR.

Electrical ratings:
Up to 2.0 AMPS @ 24VDC

Popular SS Application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.
RX330 and RX350 bar features an active push pad with monitoring switch or “request to exit” switch, used to inhibit alarms for authorized exiting. The 330 grooved outer case and the 350 smooth outer case are designed as companion units for series 33A, 35A, 98 and 99 exit devices.

The RX switch option is also available on 55DU and 88DU crossbars, and are designed as companion units for series 55 and 88 exit devices.

The internal SPDT switch should not be used to control a load, but as a signaling switch.

**Specifications**

- SPDT 0.5 ampere @ 24VDC
- Solenoid draw - 0.22 amp

**Minimum door openings:**

- 3’ (914mm) to 3’ (914mm)
- 2’6” (762mm) to 3’ (914mm)
- 4’ (1219mm) to 4’ (1219mm)
- 3’1” (940mm) to 4’ (1219mm)

**To order, specify:**

1. Prefix series 330 or 350 with “RX”.
   Example, RX330
2. Size 3’ or 4’ (3’ supplied standard if size not specified)

**Color codes:**

- Yellow
- Red
- Blue
Designed for use on delayed exit applications, the Chexit system is ideal for controlled areas.

All controls, auxiliary locking, local alarm, and remote signalling are self-contained in the Chexit, providing safe, secure, easy to install and simple to operate door control and exit hardware.

Chexit controlled exit device for use on panic or fire exit hardware applications.

This concept in delayed exit systems combines life safety with the needs of security and meets all requirements of NFPA 101 for “special locking arrangement.”

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

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

Minimum width door opening:
- 3’ Device 34” opening
- 4’ Device 40” opening

Consult factory for other size requirements.

Solenoid specifications:
- Continuous duty – 24VDC
- Current inrush – 16 amperes
- Current holding – .3 amperes

Requires PS914 Power Supply

Request to exit switch: Built into the device to detect when someone attempts to exit. Pushing the push pad when the device is armed will cause this switch to start an irreversible alarm cycle.

Nuisance alarm: When a Chexit is located in a public area, it can be desirable to limit false alarms. If the Nuisance Delay options are set to off, the device will go into alarm as soon as the push pad is touched (when armed). Turning the Nuisance Delay on will require the push pad to be pressed for 1 second before the Chexit goes into alarm. If the Nuisance Audible and Nuisance Delay are both on, the alarm will sound as soon as the push pad is pressed, but the alarm sequence will stop unless the push pad is held for 1 second or more.

Remote alarm: A relay contact is provided to give external alarm indication. This contact close when the device is in an irreversible alarm condition. This contact can be used to drive a horn, lamp, or other indicative device.

Key switch: The Key switch provides the means to arm, disarm or reset the Chexit. The key can be removed in either the Arm or Disarm position.

Indicator lamp: The status of the Chexit can be determined by the indicator lamp. When the lamp is off, this indicates the device is disarmed and is functioning as a normal exit device (no delay). A continuously on lamp indicates the device has just been armed and as soon as the selectable rearm timer expires, the device will arm. A slow flashing lamp indicates the device is armed. A fast flashing indicator lamp indicates the device is in alarm.

Internal horn: Whenever the device is in alarm or the push pad is pressed the internal horn will sound. The volume level of this horn exceeds 85 db at 6 feet.

Door position input: An external door position switch can be connected to the Chexit.

Using the door position input ensures that the door is in the closed and latched position before the device rearms.

External inhibit input: This optional input is provided to allow authorized egress of the Chexit in the armed condition. It also allows remote reset of the Chexit in an alarmed condition.

Fire alarm input: This input disables the Chexit immediately upon a fire alarm.

Internal auxiliary lock: The Auxiliary Lock is engaged when the Chexit is armed. The locking mechanism is specifically designed to hold securely even when the exit device is struck with forceful blows.

User defineable rearm time: The Rearm time is the amount of time after the device is activated before it arms. It is designed to give someone time to pass through the door before rearming occurs. Timing can be changed by the user for any time between 2 and 28 seconds in two second increments. There is also an infinite rearm setting that requires the use of an external door position switch. In this setting the door remains in the rearm mode until the door is closed. This can be useful on jet way doors in an airport.

Factory defineable delay time: Most jurisdictions allow 15 seconds of delay before allowing egress. In those cases where 15 seconds is not appropriate, Von Duprin can set the Chexit for any delay time between 0 and 60 seconds on 2 second increments. For delays greater than 15 seconds a letter from the local authority is required.

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

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

Note: Chexit rim or vertical rod/cable devices lock any outside trim input when the device is in the armed condition. If access is needed from the trim side of the door, some type of electric switch would need to be tied into the external inhibit input of the device. Chexit mortise lock device the outside trim works independently from the Chexit device.
To order, specify:
1. Prefix product description number “CX”.
   Example: CX99L
2. Door size other than 3’ (914mm).
3. Door thickness other than 1⅜” (45mm).
4. Finish.
5. Handing, LHR or RHR. Required with “CD” option.

**Options**

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

**Cylinder dogging** — Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with “CD” and specify handing.

**Cylinders** — Cylinders are not furnished with the Chexit device and must be specified when ordering. Uses a standard 1⅝” (32mm) mortise cylinder for the device and the CD cylinder dogging option.

---

**Door width reference for CX devices**

<table>
<thead>
<tr>
<th>Device</th>
<th>3’ (914mm) Length</th>
<th>4’ (1219mm) Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>CX33A/35A/33A-F/35A-F</td>
<td>2'10 ⅝” (864mm)</td>
<td>3’4” (1016mm)</td>
</tr>
<tr>
<td>CX98/98-F/99/99-F</td>
<td>2'10 ⅝” (864mm)</td>
<td>3’4” (1016mm)</td>
</tr>
<tr>
<td>CX9875/9875-F/9975/9975-F</td>
<td>2'10” (864mm)</td>
<td>3’4” (1016mm)</td>
</tr>
<tr>
<td>CX9827/9827-F/9927/9927-F</td>
<td>2'10” (864mm)</td>
<td>3’4” (1016mm)</td>
</tr>
<tr>
<td>CX9857/9857-F/9957/9957-F</td>
<td>2'10” (864mm)</td>
<td>3’4” (1016mm)</td>
</tr>
<tr>
<td>CX9847/9847-F/9947/9947-F</td>
<td>2'10” (864mm)</td>
<td>3’4” (1016mm)</td>
</tr>
<tr>
<td>CX9848/9848-F/9948/9948-F</td>
<td>2'10” (864mm)</td>
<td>3’4” (1016mm)</td>
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<tr>
<td>CX9849/9849-F/9949/9949-F</td>
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<td>CX-R 33A/35A</td>
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<td>CX-R 98/9947</td>
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<td>CX-R 98/9947-F</td>
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<tr>
<td>CX-R 98/9947WDC</td>
<td>2’5” (864mm)</td>
<td>2’11” (1016mm)</td>
</tr>
<tr>
<td>CX-R 98/9975</td>
<td>2’5” (864mm)</td>
<td>2’11” (1016mm)</td>
</tr>
</tbody>
</table>
Alarmed exit devices

The DE5101, like the Chexit system, is used on delayed exit application and is ideal for controlled areas. This concept in delayed exit systems combines life safety with the needs of security and meets all requirements of NFPA 101 for “Special Locking Arrangement.”

The DE5101 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5101 Delayed Exit System uses a Chexit logic board and a Von Duprin RX (request to exit) panic device to control a Locknetics Direct Hold Magnetic Lock.

The Chexit module for the DE5101 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5101 (see page 22).

The DE5101 includes decal for application on door, “PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS”. This is a code based requirement.

Cylinders — Cylinders are not furnished with the DE5101 system and must be specified when ordering. Uses a standard 1 1/8” (32mm) mortise cylinder for the control. (Schlage cam - B502-191)

To order, specify:
1. DE5101
2. M420, M450, or M490 magnetic lock (order direct from Schlage Electronics).
3. RX22/33A/35A/98/99 device.
4. PS900 Series
5. EPT-2/10

Specifications

Continuous duty – 24VDC
Current holding DE5101 without magnetic locks – 300 mA
External alarm contact – 1 ampere @ 24VDC
Fire alarm input, external inhibit input, door position input – set-up for normally closed dry contacts.
ALK Alarm kit

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

For Hardware Applications
The assembly includes both a 24VDC input and External Inhibit standard. The External Inhibit provides remote arming and disarming.

The key switch uses a standard 1 1/4” (32mm) mortise cylinder with a straight cam (Schlage 20-001, B502-191 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

The alarm can automatically re-arm with a 1 3/4 or 4 1/2 minute time delay upon request.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock. LX switch not available for 98/9975 devices.

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

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

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

When the ALK is used, standard dogging is removed. If cylinder dogging is required there are two choices. Special center case dogging is available or for 3’ or 4’ doors. The ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

To Order, Specify:
1. Standard, 98 ALK
2. Cylinder Dogging, CD98 ALK
3. Special center case dogging, SD98 ALK (98/99 Series only)
4. If AR desired, specify AR 1.5, 3 or 4.5

Minimum door opening sizes on ALK applications

<table>
<thead>
<tr>
<th>Device</th>
<th>3’ (914mm) Length</th>
<th>4’ (1219mm) Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>98/98-F/99/99-F</td>
<td>2’10” (864mm)</td>
<td>3’4” (1016mm)</td>
</tr>
<tr>
<td>9875/9875-F/9975/9975-F</td>
<td>2’10” (864mm)</td>
<td>3’4” (1016mm)</td>
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<tr>
<td>9827/9827-F/9927/9927-F</td>
<td>2’10” (864mm)</td>
<td>3’4” (1016mm)</td>
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<tr>
<td>9857/9857-F/9957/9957-F</td>
<td>2’10” (864mm)</td>
<td>3’4” (1016mm)</td>
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<td>9847/9847-F/9947/9947-F</td>
<td>2’9” (838mm)</td>
<td>3’3” (991mm)</td>
</tr>
<tr>
<td>9848/9848-F/9948/9948-F</td>
<td>2’9” (838mm)</td>
<td>3’3” (991mm)</td>
</tr>
</tbody>
</table>

Minimum door sizes

<table>
<thead>
<tr>
<th>Device</th>
<th>3’ (914mm) Length</th>
<th>4’ (1219mm) Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>33A/35A</td>
<td>2’9” (838mm)</td>
<td>3’3” (991mm)</td>
</tr>
<tr>
<td>327A/3527A</td>
<td>2’8” (813mm)</td>
<td>3’2” (966mm)</td>
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<tr>
<td>3347A/3347A-F</td>
<td>2’8” (813mm)</td>
<td>3’2” (966mm)</td>
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<tr>
<td>3547A/3547A-F</td>
<td>2’8” (813mm)</td>
<td>3’2” (966mm)</td>
</tr>
<tr>
<td>3348A/3348A-F</td>
<td>2’8” (813mm)</td>
<td>3’2” (966mm)</td>
</tr>
<tr>
<td>3548A/3548A-F</td>
<td>2’8” (813mm)</td>
<td>3’2” (966mm)</td>
</tr>
</tbody>
</table>
2670 GUARD-X provides secure, alarmed code-compliant protection for secondary emergency exits. The GUARD-X exit alarm lock readily identifies the door on which it is mounted as an emergency exit and secures the opening against unauthorized use. It is ideal for deterring theft in restaurants and retail establishments such as: discount stores, grocery stores, drug stores, clothing stores and sporting goods stores.

The GUARD-X lock provides secure protection through a large stainless steel deadbolt, which is 2" x 1/2" (51mm x 13mm) and has over 3/4" (19mm) throw. The engagement area into the strike is over 1 1/8" (32mm) square inches. The cast aluminum latch case protects the internal mechanism and resists tampering or vandalism from inside the door. This unit has been tested to withstand up to 1600 pounds of static load force against the door.

GUARD-X does not allow re-latching or resetting the alarm after an unauthorized exit, other than by an authorized person with a key. A 100-decibel alarm provides clear, attention getting warning for an unauthorized exit or attempted exit. The armed indicator light informs the owner that the alarm is armed, and an audible low-battery alert signals the owner to replace the battery when necessary.

A standard 9-volt battery powers the alarm. An exterior 9-volt power supply is available, Model PT-790, a 120VAC plug-in. When using the external power supply, the 9-volt battery functions as a battery backup during a power failure.

GUARD-X is armed and disarmed by key using a standard rim cylinder. It can be operated from the building exterior by a standard rim cylinder, so an authorized user can easily arm and disarm it to enter or exit the building when required. When using exterior operation a pull trim is recommended, use 210DT or 230DT. Rim cylinders are not furnished and must be ordered separately.

The 267 strike is furnished standard for single door applications. The optional 2609 strike is available for double door applications.

| Touchbar height to finished floor | 40" (1016mm) at center |
| Door width range                 | 36" (914mm) to 48" (1219mm) |
| Touchbar projection              | neutral: 4 1/8" (103mm)               |
|                                  | depressed: 2 3/4" (70mm)              |
| Latch case housing               | 7" (179mm) x 4 1/2" (103mm)          |
|                                  | x 4 1/2" (105mm)                     |
| Device length                    | 32 1/2" (826mm)                      |
| Minimum stile requirement        | Single door - 5 1/2", Double door - 6 1/8" |

Note: Von Duprin trim does not thru-bolt to the Guard-X. Ives door pulls 8102-6 and 8105-6 offer dimensions that align and thru-bolt to the Guard-X Exit Lock - Order separately from Ives.
The electric mortise lock device has all the versatility and advantages of the standard mortise lock device, plus the advantage of being electrically controlled by a remote switching device, an access control system or an automatic fire alarm system. The device features the E7500 mortise lock. The E7500 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function. Only available with TP, K or L functions.

The E7500 lock contains a SPDT signal to monitor the outside trim condition (locked or unlocked) and a second SPDT signal switch to monitor the latch bolt.

**Standard features:**
- Field reversible handing
- 24 VDC continuous duty solenoid

**Optional features:**
- Fail safe (locked when energized, unlocked when de-energized or during power failure). Specify with suffix “FS.”
- Fail secure (unlocked when energized, locked when de-energized or during power failure). Specify with suffix “FSE”
- 24 VAC (with SO option)
- 12 VDC
- 12 VAC (with SO option)

**Note:** Some Fire codes will require “Fail Safe” (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

**Electrical specifications:**
- Solenoid — .50 AMPS @ 12VDC
  .30 AMPS @ 24VDC
- Each switch — Up to 2.0 AMPS @ 24VDC Maximum

The E option does not include the power transfer from door to frame, the power supply or the control operator. (Refer to EPT-10 and PS902 or PS914 power supply)

**To order, specify:**
1. Use prefix “E,” example E9975.
2. FS or FSE
3. Voltage and current.

---

**Electric mortise lock device**
Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location—stairwells, exterior doors, etc.

**Minimum system requirements:**
- PS902
- EPT-10

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**Allegion Connect**

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

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

**Harness length**

<table>
<thead>
<tr>
<th>Harness length</th>
<th>Connectors on both ends</th>
<th>Connectors on one end, crimped pins on the other end</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inches</td>
<td>CON-6</td>
<td>CON-6P</td>
</tr>
<tr>
<td>12 inches</td>
<td>CON-12</td>
<td>CON-12P</td>
</tr>
<tr>
<td>26 inches</td>
<td>CON-26</td>
<td>CON-26P</td>
</tr>
<tr>
<td>32 inches</td>
<td>CON-32</td>
<td>CON-32P</td>
</tr>
<tr>
<td>38 inches</td>
<td>CON-38</td>
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<td>44 inches</td>
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<td>50 inches</td>
<td>CON-50</td>
<td>CON-50P</td>
</tr>
<tr>
<td>192 inches</td>
<td>CON-192</td>
<td>CON-192P</td>
</tr>
</tbody>
</table>

**Power Supply Wire Harness**
- Connectors on one end, stripped leads on the other end, offering a direct connection to the power supply
- 6 Inches CON-6W - wire extension to power supply

Consult door manufacturer for harness length requirements.

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

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

**How to order**
1. Specify CON for Connect electronic options
   Example: EL-99-EO-CON (99 Series Electrified Latching exit only with Connect connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

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

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

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

Certifications:
- UL 294 certified—the standard for access control
- Class 2 rated*
* Except PS906, output rating exceeds Class 2 power limits

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

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

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

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

Option boards:
- 900-4R: 4 relay controlled output board to power multiple devices
- 900-4RL: 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock
- 900-8F: Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection
- 900-FA: Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency
- 900-BB: Battery backup
- 900-2RS: 2 relay EL panic device control board (PS914 only)
- 900-BBK: Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load
Electric power transfer accessories

EPT  Electrical power transfer
PNT  Pneumatic transfer

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

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

UL Listed for use on firedoors

Door applications:
up to 5" butt hinges – 180° swing,
5/1" butt hinges – 130° swing,
6" butt hinges – 110° swing,
3/4" butt offset pivots 180° swing.

Not for use with swing clear hinges or center-hung pivots.

Finishes
SP28 (sprayed aluminum)
SP313 (sprayed duranodic).

Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Housing</th>
<th>EPT-2</th>
<th>EPT-10</th>
<th>PNT-1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9&quot; x 11/4&quot; x 11/4&quot;</td>
<td>Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge</td>
<td>Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge</td>
<td>5/32&quot; Tubing</td>
</tr>
</tbody>
</table>

To order, specify:
1. EPT-2, EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

Electromagnetic locks

Schlage has a rich heritage in electronic security. For years we have led the industry by providing a broad portfolio of solutions to meet the diverse needs of the market. Today, our electromagnetic locking portfolio continues to evolve to meet your changing needs.

Schlage electromagnetic locks are used to secure the door in conjunction with push bars, request-to-exit devices, or credential readers for fail-safe applications when code compliance permits. You can use them on a single standalone door or as part of an access control system. Electromagnetic locks do not contain moving parts, making them extremely durable and preferred for high security applications.

Electromagnetic locks consist of an armature and a coil assembly, which become magnetized when an electric current passes through them. This magnetic field secures the door. Electromagnetic locks are fail-safe by design. To unlock the door simply remove power.

M400 Series electromagnetic locks

The M400 Series is a robust line of electromagnetic locks with unique new design elements that make them easy to install and secure.

Features:
- Auto voltage selection is standard
- Plus Package (P) adds magnetic bond sensor, relocking time delay, door status monitor
- Optional mounting kits available including: Top Jamb Mount, Double and Glass Door

Certifications:
- UL 1034
- UL 10C 3 hour fire rating
- BHMA Grade 1
  - M420 – 500 lb. hold force for traffic control
  - M450 – 1000 lb. hold force for high security
  - M490 – 1500 lb. hold force for max security

Electromagnetic specialty locks

Schlage's electromagnetic specialty locks provide flexibility for a variety of applications. They offer a depth of features and a proven record of performance.

Features and certifications:
M490DE: Delays egress with 15 second timer: includes integrated alarm
- Designed to meet NFPA 101 & BOCA, UL 10C 3 hr fire rating, UL 294, and BHMA 1500 lb. hold force

M490G: Gate lock is weather resistant for exterior swinging and sliding gates
- BHMA 1500 lb. hold force rated GF3000: Concealed locking mechanism enhances security and appearance
- UL 10C 3 hr fire rating, BHMA 1500 lb. hold force 320M: MiniLine is mortise designed for interior sliding doors
- UL 10C 3 hr fire rating, UL 1034 listed

40/70 Series Electromagnetic Locks

Ease of installation makes the 40/70 Series a perfect choice for retrofit applications. It is also easy to select and stock.

Features and Certifications:
- Magnetic bond sensor and door status monitor standard
- UL 10C 1 hour fire rating and BHMA Grade 1:
  - 40 Series – 500 lb. hold force
  - 70 Series – 1000 lb. hold force
Monitor strikes

Monitor strikes are designed to offer remote door monitoring through the use of a signal switch mounted in the strike to monitor the latch bolt. This series of monitor strikes is designed for use with Von Duprin and most other manufacturers' rim, mortise, surface and concealed vertical rod exit devices and cylindrical, mortise and unit type locks.

The monitor strike replaces the standard door strike. The tripper in the monitor strike is depressed when the latch bolt is fully inserted in the strike. The stainless steel tripper activates an electric switch.

Features and benefits
UL listed as “miscellaneous door accessory”

Monitor strike electrical rating

| SPDT Switch (single pole double throw): | 24VDC @ 2 Amps (resistive) |

Note: Tripper selection is based on the throw and shape of the latch bolt.

Series 4263, 4268-T1, 4582

Model specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>4263</th>
<th>4268-T1</th>
<th>4582</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lockset</td>
<td>Rim or surface vertical rod exit devices</td>
<td>Rim fire exit devices</td>
<td>Mortise or cylindrical locks</td>
</tr>
<tr>
<td># Doors</td>
<td>Single or pair</td>
<td>Single or pair</td>
<td>Single or pair</td>
</tr>
<tr>
<td>Compatibility (with tripper type)</td>
<td>Von Duprin 22, T3 2227, T1 33A/35A, T3 3327A/3527A, T3 44, T1 55, T1 88, T1 8827, T1 98/99, T3 9827/9927, T1 Monarch Rim, T3 ( \frac{3}{4} ) &quot; [19mm] throw Yalea 1500, T1 ( \frac{3}{8} ) &quot; [16mm] throw</td>
<td>Von Duprin 22/22-F 33A/35A 88/88-F 98/99 98-F/99-F</td>
<td>Schlage ( \frac{3}{8} ) &quot; (19mm) Cyl., T2 L90, T2 Falcon ( \frac{3}{8} ) &quot; (16mm) ML (LR), T2 Arrow( ^* ) ( \frac{3}{8} ) &quot; (16mm) ML (LR), T1 Corbin Ruswin( ^a ) ( \frac{3}{8} ) &quot; (16mm) ML (LR) 5999 ML (LR), T2 Yale( ^b ) ( \frac{3}{8} ) &quot; (16mm) ML (LR), T2</td>
</tr>
</tbody>
</table>

Certifications

<table>
<thead>
<tr>
<th>UL list (GXHX R4504) fire exit hardware</th>
<th>UL List (GXHX R4504) fire exit hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application notes</td>
<td>1</td>
</tr>
</tbody>
</table>

Application notes:
The 4263 is non-handed and features horizontal adjustment to compensate for misalignment of door and frame. 4263 may be used with a mullion. Tripper selection (-T1 or -T3) is based upon the lock to be used with.

The 4268 features horizontal adjustment to compensate for misalignment of door and frame. 4268-T1 is not for use with mullions.

For use on single or pair of doors with ANSI 115.3 frame cutout (frame modification required.) Tripper selection (-T1 or -T2) is based upon the lock to be used.
Monitor strikes

Basic monitor strike circuit

Series 4570-T1, 4670-T1, 4690-T2, 4690-1-T2

Model specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>4570-T1</th>
<th>4670-T1</th>
<th>4690-T2</th>
<th>4690-1-T2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lockset</td>
<td>Cylindrical locks</td>
<td>Cylindrical locks</td>
<td>Concealed vertical rod exit devices</td>
<td>Concealed vertical rod exit devices</td>
</tr>
<tr>
<td># Doors</td>
<td>Single or pair</td>
<td>Single or pair</td>
<td>Wide stile pair of doors</td>
<td>Narrow stile pair of doors</td>
</tr>
<tr>
<td>Compatibility (with tripper type)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schlage</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (14mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (14mm) Cyl.</td>
</tr>
<tr>
<td>Falcon</td>
<td>3/8&quot; (16mm) Cyl.</td>
<td>3/8&quot; (16mm) Cyl.</td>
<td>3/8&quot; (16mm) Cyl.</td>
<td>3/8&quot; (16mm) Cyl.</td>
</tr>
<tr>
<td>Adams Rite®</td>
<td>4510</td>
<td>8400</td>
<td>4510</td>
<td>8400</td>
</tr>
<tr>
<td>Arrow®</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
</tr>
<tr>
<td>Best®</td>
<td>3/8&quot; (11mm) Cyl.</td>
<td>3/8&quot; (11mm) Cyl.</td>
<td>3/8&quot; (11mm) Cyl.</td>
<td>3/8&quot; (11mm) Cyl.</td>
</tr>
<tr>
<td>Corbin Russwin®</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
</tr>
<tr>
<td>Kwikset®</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
</tr>
<tr>
<td>Precision™</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
</tr>
<tr>
<td>Sargent®</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
</tr>
<tr>
<td>Yale®</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
<td>1/2&quot; (13mm) Cyl.</td>
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</tr>
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<tbody>
<tr>
<td>Von Duprin 3347A-F 3347A 9947 9947F</td>
</tr>
</tbody>
</table>

Application notes:

- Special template required

Application notes:

For use on single or pair of doors with ANSI 115.2 frame cutout (frame modification required.) 4570-T1 is only used with T1.

For use on single or double doors with ANSI 115.3 frame cutout (frame modification required.) 4670-T1 is only used with T1.

For use with pair of doors where one leaf has concealed vertical rods. 4690-T2 is only used with T2.

For use with pair of doors where both leaves have concealed vertical rods. 4690-1-T2 is only used with T2.
Monitor strikes dimensions

To order, specify
1. Model
2. Tripper T1, T2 or T3
3. Handing required on model 4582
4. Specify LHR or RHR

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Mullions

**Electrified removable mullions** are used with pairs of doors equipped with rim mounted exit devices.

Each includes an electric cable with five conductors wired to a twist-apart plug. The soffit fitting is supplied with a pre-wired mating socket.

**4754** — Prepared for two 4263 monitor strikes. Use with all Von Duprin rim panic devices.

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

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

**4854/9854 — Using one electric strike**

**299 strike**

**6111 Electric strike**

RHR door shown active
LHR door shown inactive

**KR** - Keyed removable option available on electrified removable mullion. Makes removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without use of the cylinder key. Uses 1 1/4" mortise cylinder with a straight cam (Schlage cam reference B502-191). Cylinders are sold separately. Prefix mullion model with “KR”.

To order, specify
1. Model number.
2. Height of opening
3. Finish: SP28, SP313, SPBLK.
4. Handing if required.
5. Centerline deviation (refer to device template for standard centerline).
6. Strikes, when required, should be ordered with device.
7. For keyed removable option prefix model number with “KR”, example KR9854.

**Sizes for mullions**

<table>
<thead>
<tr>
<th>4754, 4854, 9854</th>
<th>4754, 4854, 9854</th>
</tr>
</thead>
<tbody>
<tr>
<td>7' 2&quot; (2184mm)</td>
<td>7' 2&quot; (2184mm)</td>
</tr>
<tr>
<td>8' 2&quot; (2489mm)</td>
<td>8' 2&quot; (2489mm)</td>
</tr>
<tr>
<td>10' 2&quot; (3099mm)</td>
<td>10' 2&quot; (3099mm)</td>
</tr>
</tbody>
</table>

**KR4754, KR4854**

<table>
<thead>
<tr>
<th>7' 6&quot; (2286mm)</th>
<th>7' 6&quot; (2286mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8' 6&quot; (2591mm)</td>
<td>8' 6&quot; (2591mm)</td>
</tr>
<tr>
<td>10' 6&quot; (3200mm)</td>
<td>10' 6&quot; (3200mm)</td>
</tr>
</tbody>
</table>

**KR9854**

<table>
<thead>
<tr>
<th>7' 5&quot; (2261mm)</th>
<th>7' 5&quot; (2261mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8' 5&quot; (2565mm)</td>
<td>8' 5&quot; (2565mm)</td>
</tr>
<tr>
<td>10' 5&quot; (3175mm)</td>
<td>10' 5&quot; (3175mm)</td>
</tr>
</tbody>
</table>

* Only qualifying applications will be provided with UL Label.
** Fire rated same as 9854

**Quick disconnect**

**Soffit details**

1" (25mm) Diameter Clearance

Reinforcement

Filler block is to be supplied by the frame mfg. for conditions similar to this.
About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a $2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com