

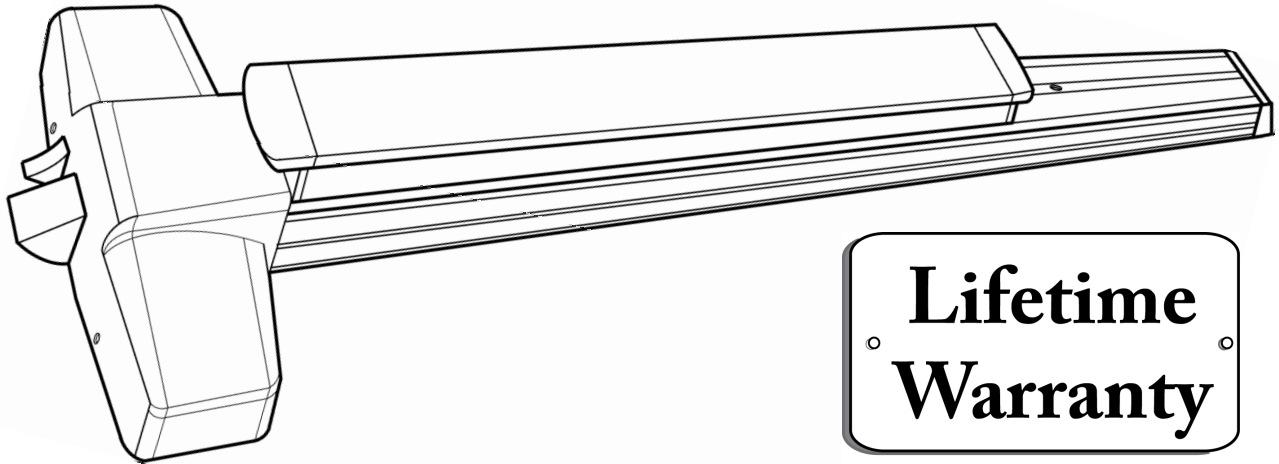


CAL-ROYAL

PRODUCTS, INC.



9900 & F9900 Rim Type Panic And Fire Exit Devices 9960 & F9960 Vertical Rod Panic And Fire Exit Devices ANSI A156.3, Grade 1



Features & Construction

- ◆ For use in institutions, schools, universities, commercial buildings where heavy duty reliable operation is a requirement.
- ◆ ANSI A156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs.
- ◆ Rail assemblies are heavy duty extruded aluminum body with stainless steel push pad and end caps are made of brass, bronze or stainless steel. Rail travels in direction of the door swing.
- ◆ Trims are thru bolted for additional security.
- ◆ Conforms & Meets ADA Regulations.
- ◆ UL Listed for Panic and ULC10C, UBC 7-2-1997 codes.
- ◆ UL Listed for Fire Exit Hardware. **3 hours.**
- ◆ (A) label rating on pairs of doors up to 8'0" x 8'0" swinging in same or opposite directions.
- ◆ Uncompromising security and safety in single and double fire exit doors.
- ◆ Chassis mounted unit construction. Rim and vertical rod devices are non-handed and easily reversible.
- ◆ Available in many different functions. Lever and escutcheon trims are grade 1 construction with clutch free-wheeling mechanism. Rose and escutcheon covers 161 cut out.

Suggested Architect's Specifications

- ◆ All exit devices shall be of touch bar design with smooth operation and be operative over 2/3 of the door's clear opening width.
- ◆ All exit devices must be listed under "Panic Hardware" in the Accident Equipment List of Underwriters' Laboratories, Inc. Where labeled doors are used as exits, they must be equipped with labeled Fire Exit Hardware and UL10C, UBC-7-2-1997 codes.
- ◆ All springs shall be of stainless steel throughout.
- ◆ All exit devices shall be of chassis mounted unit construction.
- ◆ All exit devices shall be ANSI A156.3, Grade 1.

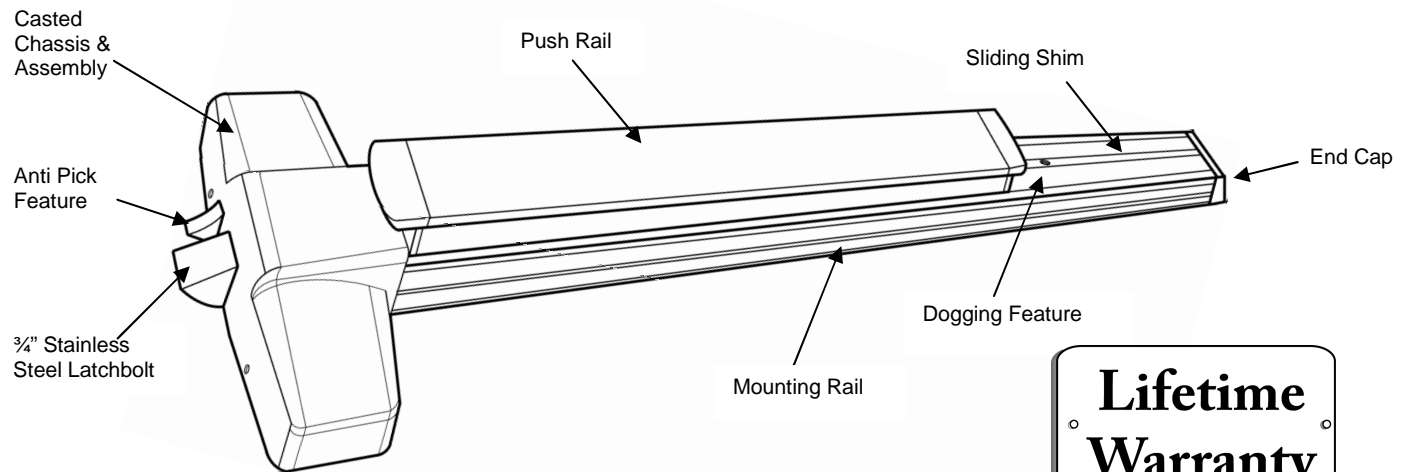


9900 & F9900 Series

Rim Type Exit Device

Specifications

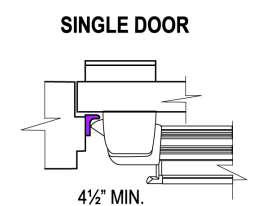
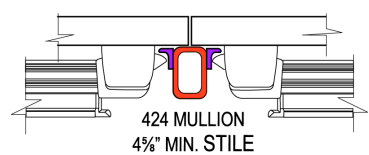
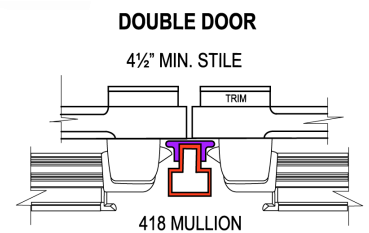
- For Doors.....** 1 3/4" thick standard optional 2 1/4" thick. 4 1/2" minimum stile width for single or double door application using standard 938 strike and pull lever, thumbpiece and escutcheon trims.
- Chassis.....** Non-ferrous alloy (Panic Grade), steel (Fire Grade).
- Cover.....** Brass, bronze or stainless steel. Covers stock hollow metal doors with 161 cut out.
- Mounting.....** Furnished with wood and machine screws. Available thru bolts on request.
Thru bolts are included and standard packaging on fire rated devices.
- End Cap.....** Brass, bronze or stainless steel construction.



**Lifetime
Warranty**

- Hand.....** Non-handed, center hub.
- Latch Bolt.....** Stainless steel 3/4" throw with anti-pick feature.
- Spring.....** Stainless steel throughout.
- ANSI Standard.....** A156.3, Grade 1.
- Rail Assembly.....** Heavy gauge extruded aluminum body with stainless steel push pad.
- Strike.....** 938 packed standard (See strike page).
- Dogging Feature.....** Allen-type key furnished standard on non-fire labeled devices.
- Mullion.....** Available.
- UL and ULC Listed.....** 9900 Series for panic. F9900 Series for fire exit hardware for all types of 4' x 8' single doors and 8' x 8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes.
- Finish.....** Architectural plated finishes.
- Door Size.....** 9900EO36 and F9900EO36 for 36" doors.
9900EO48 and F9900EO48 for 48" doors.

Minimum Stile Requirements
4" escutcheon trims & 4 1/2" for thumbpiece and escutcheon trims



DIMENSIONS

Touchbar height to finished floor	41" (1034mm) at center
Touchbar projection	3-5/8" (92mm)
neutral	1-7/8" (73mm)
depressed	
Center case	8-1/16" x 2 3/4" x 2 1/2" (205mm x 68mm x 62mm)
Device length -- Short 3' (914mm)	2'2" to 3' (840mm to 914 mm) door size
-- Long 4' (1219mm)	2'9" to 4' (1145mm to 1219mm) door size

9960 & F9960 Series

Vertical Rod Type Exit Device



Specifications

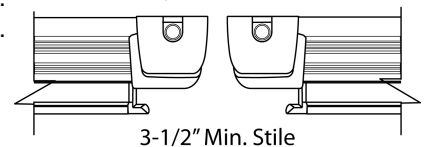
- For Doors**..... 1 ¼" thick standard optional 2 ¼" thick. 3 ¾" minimum stile width required for single door application. 3 ½" minimum stile width required for double door application. Lever, thumbpiece and escutcheon trims available.
- Chassis**..... Nonferrous alloy (Panic Grade), steel (Fire Grade)
- Cover**..... Brass, bronze or stainless steel. Covers stock hollow metal doors with 161 cut out.
- Mounting**..... Furnished with wood and machine screws. **Thru bolts are included and standard packaging on fire rated devices.**
- End Cap**..... Brass, bronze or stainless steel construction.
- Hand**..... Easily field reversible. Specify at time of order LHRB, RHRB for convenience.
- Latch Bolt, Spring**..... Stainless steel.
- ANSI Standard**..... A156.3, Grade 1.
- Rail Assembly**..... Heavy gauge extruded aluminum body with stainless steel push pad.

- Strike**..... See strike page.
- Dogging Feature**..... Allen-type key furnished standard on non-fire labeled devices.
- UL and ULC Listed**..... 9960 Series for panic. F9960 Series for fire exit hardware for all types of 8'x8' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes.
- Finish**..... Architectural plated finishes.
- Door Size**.....
 9960V3694 and F9960V3684 for 36" x 84" doors.
 9990V4896 and F9990V4896 for 48" x 96" doors.
 9990V3696 and F9990V3696 for 36" x 96" doors.
 9950V36120 for 36" x 120" doors.
 9940V48120 for 48" x 120" doors.



MINIMUM STILE REQUIREMENTS

Double Door with Two Vertical Rod Type Exit Devices



DIMENSIONS

Touchbar height to finished floor	41" (1034mm) at center
Touchbar projection neutral depressed	3-5/8" (92mm) 1-7/8" (73mm)
Center case	8-1/16" x 2 ¾" x 2 ½" (205mm x 68mm x 62mm)
Device length -- Short 3' (914mm) -- Long 4' (1219mm)	2'2" to 3' (840mm to 914 mm) door size 2'9" to 4' (1145mm to 1219mm) door size
Panic grade top & bottom latch case	3-15/16" x 2-1/8" x 1-3/8" (100mm x 52mm x 42mm)
Fire grade top latch case	3-15/16" x 2-11/16" x 2-1/16" (100mm x 68mm x 53mm)
Fire grade bottom latch case	3-15/16" x 2-1/8" x 1-3/8" (100mm x 52mm x 42mm)
Top and bottom rod length for 36" x 84" doors	Top rod 43-1/4" (1100mm), bottom rod 37-3/4" (960mm)
Top and bottom rod length for 48" x 96" doors	Top rod 53-1/16" (1350mm), bottom rod 37-3/4" (960mm)
Vertical rods	½" (13mm) Round tubing

Trim Selection ●●●●●●●●●●

ESCUTCHEON LEVER DESIGN

CONSTRUCTION

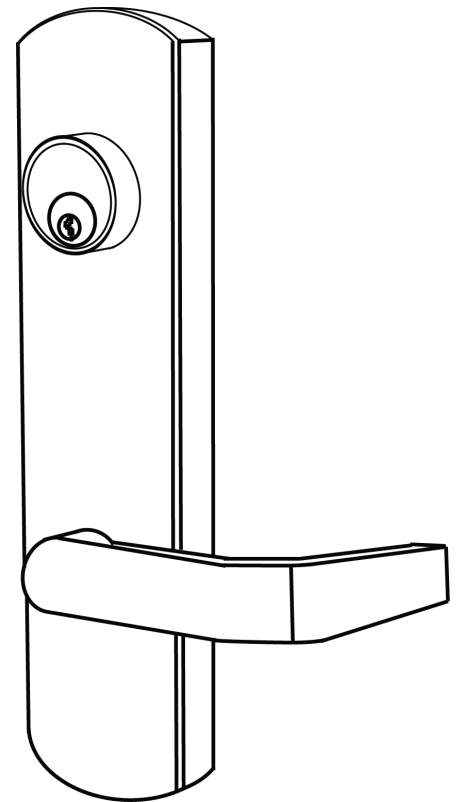
- Rigid, non clutch mechanism.
- Double heavy duty spring support to prevent sagging and enhance operation.
- Grade 1, thru-bolted design. Non-handed design. Easily field reversible.
- Hardened steel heavy duty tailpiece. Available for fire and non fire rated rim and vertical rod exit devices.

DOOR THICKNESS

Standard 1 $\frac{3}{4}$ ". For 2 $\frac{1}{4}$ " thick door use additional part# TAIL3.

ESCUTCHEON DIMENSIONS

2 $\frac{3}{4}$ " width X 10 $\frac{1}{4}$ " length. Lever length: 4 $\frac{3}{4}$ ". Fits and covers 2 $\frac{5}{8}$ " 161 cutout

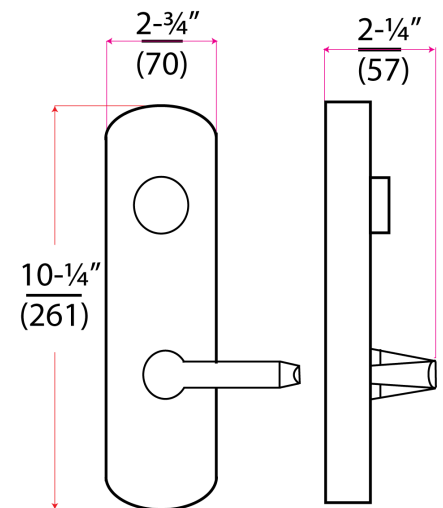


ESC9900 or ICES9900 **ENTRANCE**
 Rigid Entrance, key locks or unlocks escutcheon trim
 ANSI FUNCTION (63) Operates as classroom function

ESC9905 or ICES9905 **STOREROOM**
 Rigid Storeroom, key retracts latchbolt, otherwise
 always locked ANSI FUNCTION (04)

ESC9930 **PASSAGE**
 Trim always operable and free
 ANSI FUNCTION (62)

ESC9940 **DUMMY**
 Dummy Escutcheon trim ANSI FUNCTION (10)



KEYWAY: Standard 6-pin "C" keyway. Also available in Schlage C-K, Russwin D1, Corbin 60, Sargent LA, Falcon/Weiser E, Arrow, Yale GA, Yale 8, Kwikset. Can also accept Medeco, Assa, and Kaba high security cylinders.

● INTERCHANGEABLE CORE

Interchangeable core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW.

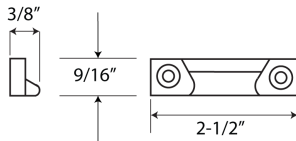
Strikes & Accessories ●●●●●●●●

Strikes for use with 9960 vertical rod exit device

All strikes are black nylon coated

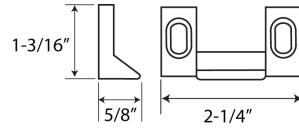
221

Standard for 9960.
Applied to surface of floor or to a flat threshold.
Standard packaging.



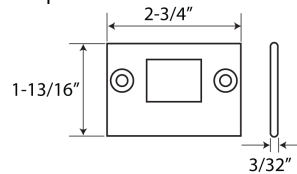
227

Applied to surface of stop.
No mortise required.
Standard packaging.



233

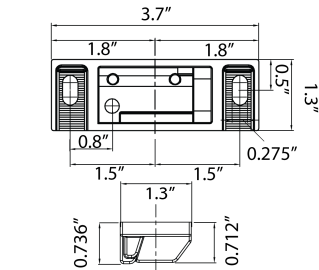
Bottom strike. Alternate bottom strike. Flush mounting stainless steel. Furnished with expansion shields.
Requires mortise in the floor.



Strikes for use with 9900 rim type exit device

938

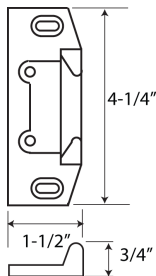
For 9900 & F9900 surface applied.
Standard packaging



Strikes for use with F9960 vertical rod fire rated exit device

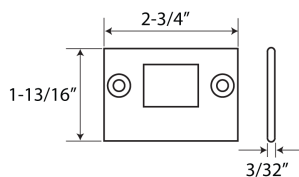
245

Surface applied for F9960.
Standard packaging.



233

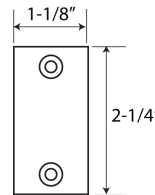
Bottom strike for F9960.
Flush mounting stainless steel. Furnished with expansion shields.
Requires mortise in the floor.
Standard packaging.



Additional Strikes

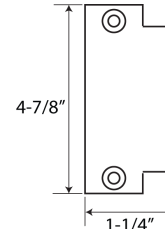
LFF

Lock front filler.



SF

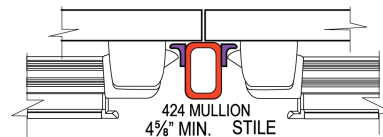
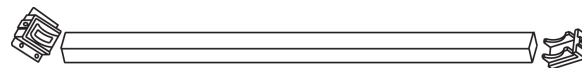
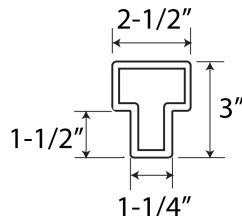
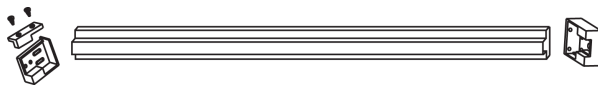
Strike filler



Mullions

418 – Removable mullion Aluminum painted (Prime coat) includes top and bottom retainer supplied as a stock 96\"

424 – Fire exit mullion. 2\" x 3\" steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings.



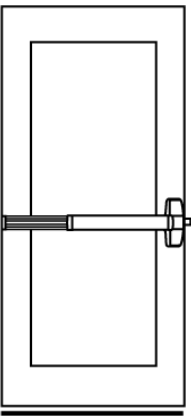
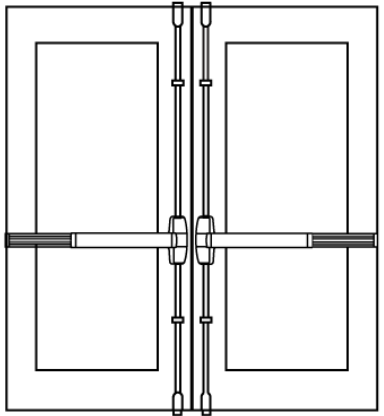
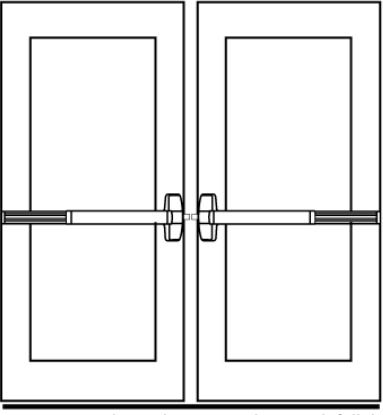
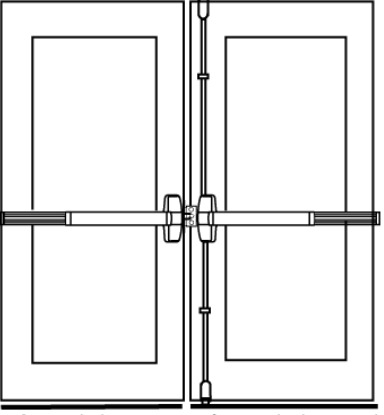
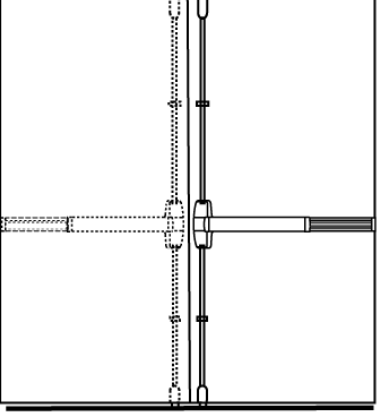
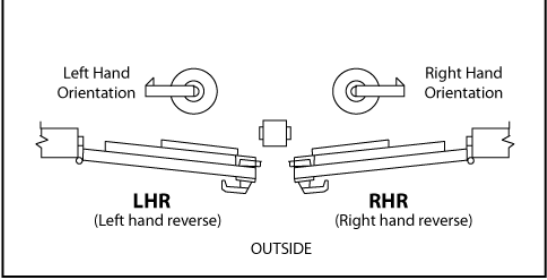
Lockable and electric lockable mullions are available on request.

Additional Rods

Vertical rod for 10 feet high doors available on non-fire rated vertical rod devices only. Use part# **VRRD-10**

9900 & F9900 Rim Type and Fire Exit Devices 9960 & F9960 Vertical Rod and Fire Exit Devices ANSI A156.3 Grade 1

Selector Chart

<p style="text-align: center;">SINGLE DOOR</p>  <p>Vertical rod type or Rim type Surface applied 2 point lock. Surface application.</p>	<p style="text-align: center;">PAIR OF DOORS WITHOUT MULLION</p>  <p>2 Vertical rod type Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal.</p>
<p style="text-align: center;">PAIR OF DOORS WITH MULLION</p>  <p>2 Rim type with mullion Two independent active doors with full double door openings when required. Same direction.</p>	<p style="text-align: center;">PAIR OF DOORS WITHOUT MULLION</p>  <p>1 Vertical rod and 1 rim type Both devices are surface applied. A coordinator and overlapping strike is recommended.</p>
<p style="text-align: center;">PAIR OF DOORS WITHOUT MULLION</p>  <p>2 Vertical rod type Double egress surface applied. 2 point locking both doors opposite directions.</p>	<p style="text-align: center;">HANDING</p>  <p>LHR (Left hand reverse) RHR (Right hand reverse) OUTSIDE</p> <p>CAL-ROYAL PRODUCTS, INC. 6605 FLOTILLA ST., COMMERCE, CA 90040 U.S.A. TEL: (323) 888-6601 FAX: (323) 888-6699 Website: cal-royal.com * Email: sales@cal-royal.com</p>