2200 & F2200 Rim Type Panic And Fire Exit Devices  
(ADA Optional)
2260 & F2260 Vertical Rod Panic And Fire Exit Devices  
(ADA Optional)
ANSI A156.3, Grade 1

Features & Construction
♦ Retrofits Sargent 12-2828 & 12-2838 Series
♦ Americans with Disability Act (ADA) compliant. 5 lbs opening force on ADA product only
♦ ANSI A156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs
♦ UL Listed for Panic and UL10C, UBC 7-2-1997 codes
♦ UL Listed for Fire Exit Hardware. 3 Hours
♦ Conforms & Meets ADA Regulations (ADA products only)
♦ (A) label rating in 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
♦ Available in many different functions. Lever and escutcheon trims are grade 1 construction with clutch on rose trims. Escutcheon trims are rigid and covers 161 cut out.

Suggested Architect’s Specifications
♦ All exit devices shall be of touch bar design with smooth operation and be operative over ⅔ 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
Specifications

For Doors........................................ 1 ¾" thick standard optional 2 ¼" thick. 4 ½" minimum stile width required for single or double door application using standard 239 strike and pull or lever trims

ADA Series........................................ Prefix "A" before the MODEL #

Chassis........................................... Non-ferrous Alloy (Panic Grade), Steel (Fire Grade)

Cover............................................... Non-ferrous Alloy. Covers stock hollow metal doors with 161 cutout

Mounting.......................................... Furnished standard with wood and machine screws. Available with thru-bolts on request. Thru-bolts are standard packaging on fire rated devices.

End Cap.......................................... Steel construction

Alarm............................................... Available. See page 59

Hand............................................... Non handed, center hub. 2 ¾" backset

Latch Bolt........................................ Stainless Steel ¾" throw

Spring............................................... Stainless Steel throughout

ANSI Standard................................. A156.3, Grade 1

Rail Assembly................................. Heavy gauge steel, painted

Strike............................................... 239 packed standard (See strike page)

Dogging Feature............................... Allen-type key furnished standard on non-fire labeled devices. Cylinder dogging available

Mullion........................................... Available

UL and ULC Listed............................. 2200 Series for panic. F2200 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............................................ Aluminum (Alum), Dark Bronze Duranodic (Duro), Gold

Electronic Functions....................... (ELR) Electrical Latch Retraction and RX & LX Signal Switch available

DIMENSIONS

Touchbar height to finished floor........ 41" (1041 mm) at center

Touchbar projection

<table>
<thead>
<tr>
<th></th>
<th>Neutral</th>
<th>Depressed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 ½&quot; (64 mm)</td>
<td>1 ¾&quot; (45 mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ACTUAL LENGTH</th>
<th>MAX CUT DOWN</th>
<th>DOOR SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200EO24 &amp; F2200EO24</td>
<td>20&quot;</td>
<td>2&quot;</td>
<td>22&quot; to 24&quot; door width</td>
</tr>
<tr>
<td>2200EO32 &amp; F2200EO32</td>
<td>28&quot;</td>
<td>6&quot;</td>
<td>26&quot; to 32&quot; door width</td>
</tr>
<tr>
<td>2200EO36 &amp; F2200EO36</td>
<td>32&quot;</td>
<td>6&quot;</td>
<td>30&quot; to 36&quot; door width</td>
</tr>
<tr>
<td>2200EO48 &amp; F2200EO48</td>
<td>44&quot;</td>
<td>12&quot;</td>
<td>36&quot; to 48&quot; door width</td>
</tr>
</tbody>
</table>

*Add prefix “A” before MODEL # for ADA Exit Devices.

Minimum Stile Requirements

4" escutcheon trims & 4 ½" for Thumbpiece and rose trims

*Americans with Disability Act (ADA) compliant
5 lbs opening force on ADA Series only

*Refer to the Price List for Stock Sizes and Finishes
2260V & F2260V Series
A2260V & F2260V ADA Series
GRADE 1 Vertical Rod Type Exit Device

Specifications

For Doors..............................
1 ¾” thick standard optional 2 ¼” thick. 3 ½” minimum stile width required for single door application. 3 ½” minimum stile width required for double door application. Lever trims available. 2 ¾” backset

ADA Series..........................
Prefix “A” before the MODEL #

Top & Bottom Chassis........
Non-ferrous Alloy (Panic Grade), Steel (Fire Grade)

Cover..................................
Non-ferrous plated material. Covers stock hollow metal doors with 161 cut out

Mounting..............................
Furnished standard with wood and machine screws. Thru-bolts are standard packaging on fire rated devices

End Cap................................
Steel construction

Alarm...................................
Available. Prefix “NALRM” before MODEL #

Hand....................................
Handed. Easily field reversible. Specify at time of order LHR, RHR for convenience

Latch Bolt & Spring............
Stainless steel

ANSI Standard....................
A156.3, Grade 1

Rail Assembly.....................
Heavy gauge steel, painted

Strike.................................
See strike page

Dogging Feature..................
Allen-type key furnished standard on non-fire labeled devices

UL and ULC Listed.............
2260 Series for panic. F2260 Series for fire exit hardware for all types of 8’ x 8’ double doors for up to 3 hour fire labeled installations. Conforms to standards UL10C and UBC 7-2-1997 codes.

Finish...............................
Aluminum (Alum), Dark Bronze Duranodic (Duro), Gold

Electronic Functions...........
(ELR) Electrical Latch Retraction and RX & LX Signal Switch available

DIMENSIONS
Touchbar height to finished floor
41” (1041 mm) at center

Touchbar projection
Neutral
2 ½” (64 mm)
Depressed
1 ½” (45 mm)

Panic grade top & bottom latch case
3 ⅜” x 2 ½” x 1 ¾” (100 mm x 54 mm x 35 mm)

Fire grade top latch case
3 ⅜” x 2 ¾” x 2 ⅝” (100 mm x 68 mm x 52 mm)

Fire grade bottom latch case
3 ⅜” x 2 ½” x 1 ¾” (100 mm x 54 mm x 42 mm)

Top and bottom rod length for 36’ x 84’ doors
Top rod 39 ⅝” (995 mm), bottom rod 37 ⅜” (945 mm)

Top and bottom rod length for 48’ x 96’ doors
Top rod 51 ⅝” (1300 mm), bottom rod 37 ⅜” (945 mm)

Vertical Rods
½” (13 mm) Round tubing

Model ACTUAL LENGTH MAX CUT DOWN DOOR SIZE
2210V2484, F2210V2484 20” 2” 22” to 24” door width
2260V3684, F2260V3684, 2270V3284, F2270V3284, 2290V3696, F2290V3696, 2250V36120 32” 6” 30” to 36” door width
2260V4896, F2260V4896, 2240V48120 44” 12” 36” to 48” door width

*Americans with Disability Act (ADA) compliant
5 lbs opening force on ADA Series only

*Refer to the Price List for Stock Sizes and Finishes

CASTED TOP CHASSIS ASSEMBLY
TOP ROD GUIDE
PUSH RAIL
BOTTOM ROD GUIDE
CASTED BOTTOM ROD LATCH ASSEMBLY
END CAP
SLIDING SHIM
DOGGING FEATURE (NON-FIRE)
MOUNTING RAIL

Minimum Stile Requirements

Double Door with Two Vertical Rod Type Exit Devices

3 ½” Min. Stile

*Add prefix “A” before MODEL # for ADA Exit Devices.
LBR2260V & LBRF2260V Series
ALBR2260V & ALBRF2260V ADA Series
GRADE 1 Vertical Rod Exit Device
Less Bottom Rod

Specifications

LBR..........................................
For Doors.................................
Top Chassis............................... Non-ferrous Alloy (Panic Grade), Steel (Fire Grade)
ADA Series..............................
Cover........................................
Mounting.................................
Alarm........................................
End Cap...................................
Hand........................................
Latch Bolt, Spring...................... Stainless Steel
Auxiliary Spring Latch............. Auxiliary spring loaded latchbolt is installed in the lower edge of the door, when exposed to fire latchbolt releases keeping the door closed and regulated
ANSI Standard..........................
Rail Assembly...........................
Strike......................................
Dogging Feature...................... Allen-type key furnished standard on non-fire labeled devices
Electronic Functions....................

UL and ULC Listed.....................

DIMENSIONS

Touchbar height to finished floor 41" (1041 mm) at center
Touchbar projection
   Neutral 2 ⅝" (64 mm)
   Depressed 1 ¾" (45 mm)

Panic grade top & bottom latch case 3 ⅜" x 2 ⅜" x 1 ⅞" (100 mm x 54 mm x 35 mm)
Fire grade top latch case 3 ⅜" x 2 ⅜" x 2 ⅜" (100 mm x 68 mm x 52 mm)
Fire grade bottom latch case 3 ⅜" x 2 ⅜" x 1 ⅞" (100 mm x 54 mm x 42 mm)

Top and bottom rod length for 36" x 84" doors Top rod 39 3/16" (995 mm)
ADA Top rod 35 ¾" (895 mm), bottom rod 34 ⅜" (867 mm)
Top and bottom rod length for 48" x 96" doors Top rod 51 ⅜" (1300 mm)

Vertical Rods ⅝" (13 mm) Round tubing

MODEL ACTUAL LENGTH MAX CUT DOWN DOOR SIZE
LBR2210V2484, LBRF2210V2484 20" 2" 22" to 24" door width
LBR2270V3284, LBRF2270V3284 28" 6" 26" to 32" door width
LBR2260V3684, LBRF2260V3684, LBR2290V3696, LBRF2290V3696, LBR2250V36120 32" 6" 30" to 36" door width
LBR2280V4896, LBRF2280V4896, LBR2240V48120 44" 12 36" to 48" door width

Americans with Disability Act (ADA) compliant 5 lbs opening force on ADA Exit Devices.

*Add prefix “A” before MODEL # for ADA Exit Devices.
Alarm Exit Hardware

Features

• 1, 3, 5-minute and continuous alarm type settings available
• ON and OFF power switch
• Alarm sound frequency is 120 db
• Alarm unit has an internal horn. When the push rail is depressed, the horn sounds to provide an audible means of signaling that the door has been opened and breached.
• The key switch to turn alarm off is a standard 1 ¼” cylinder with “C” keyway. The alarm operates on one standard 9-volt transistor battery. When battery is weak the horn will emit an intermittent signal.
• Alarmed units are supplied with a micro switch, which monitors the push rail and the latch bolt and outside trim (if available) for foolproof security on rim devices
• Alarm unit has a signal OC output that can be linked to external alarm control systems
• Easy removal of the alarm unit without the need to dismount the exit device for battery maintenance
• Unit includes “EMERGENCY EXIT ONLY ALARM WILL SOUND” decal for application on door or unit

Rim Type Exit Devices

NALRM2200EO36  Alarm rim type 36” door (panic grade)
NALRM222048   Alarm rim type 48” door (panic grade)
FNALRM220036   Alarm rim type 36” door (fire grade)
FNALRM222048   Alarm rim type 48” door (fire grade)

Also available on ADA Series

Vertical Rod Type Exit Devices

Prefix “NALRM” before MODEL #.

Power Supplies

Power supplies for electrified exit devices are available. See page 65.
**Trim Selection**

**CLUTCH CYLINDRICAL LEVER**

**Non-handed** Grade 1 (Clutch Style)

Cylindrical body hardened steel heavy duty tailpiece. For 1 ¾" and 2 ¼" doors. Prefix THI before part # for 2 ¼" door thickness. Available for fire and non fire rated rim and vertical rod exit devices. Rose diameter 3 ½", lever length 4 ¾". Fits and covers 161 cutout.

**Finishes:** Architectural plated finishes.

---

**Other Lever Trim Designs**

**ENTRANCE**

Key locks and unlocks lever. Operates as CLASSROOM FUNCTION.

ANSI Function – 08

Ball Knob Keylock

---

**STOREROOM**

Key operates lever, otherwise always locked.

ANSI Function – 04

---

**PASSAGE**

Trim always operable and free.

ANSI Function – 15

---

**DUMMY**

Dummy trim. One sided

ANSI Function – 10

---

When ordering “AT” and “SPA” designs, prefix design name before part #. Example: ENT00L in “AT” is ATENT00L.


**(IC) INTERCHANGEABLE CORE:** Interchangeable Core locks will accept compatible 6 or 7-Pin cores with BEST, FALCON and ARROW

**(ICSC) INTERCHANGEABLE CORE:** Indicates function available with Schlage Full Size Format Interchangeable Core. Corbin, Sargent and Yale format also available.
**Trim Selection**

**RIGID LEVER ESCUTCHEON**

**CONSTRUCTION**
- Grade 1, thrubolted design, rigid non-clutch, Non handed design.
- Easily field reversible.
- Hardened steel heavy duty tailpiece. Available for fire and non-fire rated rim and vertical rod exit devices.
- Standard 6-Pin Schlage “C” Mortise Cylinder included

**FINISHES**
- Powder coated aluminum (alum)
- Powder coated dark bronze duranodic (duro)
- Powder coated gold

**DOOR THICKNESS**
Standard 1 ¾”. For 2 ¼” thick door use additional PART # TAIL3.

**ESCUTCHEON DIMENSIONS**
2 ¾” width X 8 ¾” length. Lever length: 4 ¾”.
Fits and covers 2 ½” 161 cutout

* NESC2200 or ICNESC2200 or ICSCNESC2200
* NESC2205 or ICNESC2205 or ICSCNESC2205


* (IC) INTERCHANGEABLE CORE: Interchangeable Core locks will accept compatible 6 or 7-Pin cores with BEST, FALCON and ARROW

* (ICSC) INTERCHANGEABLE CORE: Indicates function available with Schlage Full Size Format Interchangeable Core. Corbin, Sargent and Yale format also available.

---

 FOR ELECTRIFIED TRIM OPTIONS SEE PAGE 64
THUMBPIECE TRIM
(OPERATES ON RIM & VERTICAL ROD DEVICES)

THP00 or ICTHP00
Key locks or unlocks thumbpiece.
(Operates as classroom function)
ANSI Function – 03
Covers 161 cutout. Standard Rim Cylinder available in “C” 6-Pin and optional Kwikset KW keyways included.

THP05 or ICTHP05
Key unlocks thumbpiece, thumbpiece retracts latch bolt, otherwise always locked.
ANSI Function-04

THP30
PASSAGE
Trim always operable and free.
ANSI Function – 62

THP40
DUMMY
Dummy trim. Includes blank Mortise dummy cylinder.
ANSI function – 10

FINISHES
Powder coated Aluminum, Dark Bronze (DURO), Gold for PULL and THUMBPIECE TRIMS. US32D,3,10B for 8000K knob trim.

KEYWAY:

(IC) INTERCHANGEABLE CORE
Interchangeable Core locks will accept compatible 6 or 7-Pin cores with BEST, FALCON and ARROW.

(ICSC) INTERCHANGEABLE CORE
Indicates function available with Schlage Full size format Interchangeable Core. Corbin, Sargent and Yale format also available.

DOOR THICKNESS
Standard 1 ¾”. For 2 ¼” thick door use additional PART # TAIL 7.
Heavy Duty Mechanical Push Button Lock

MECHANICAL CRCODE204

Features
- Breakaway Lever Design
- Easy On-Door Code Change
- Weather Resistant
- Code-Free Option (Passage)
- Non-Handed
- 1 - 12 digit Length Code
- Thousands of Possible Code Combinations
- Single Code User
- Applications: Offices, Schools, Hospitals, Apartments, Hotels/Motels, Residential, Commercial and Public Buildings
- Door Thickness: 1 ¾" - 2"
- 2-year limited warranty

Electrified Lever Trim

Cal-Royal’s electrified lever trim provides remote locking and unlocking capabilities using industry safety standards. The 24V DC 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, where electric pullback of the exit device’s latch bolt is cost prohibitive or not required. This is especially practical in applications where fire / life safety codes require a “fail-safe” condition which is not an option with electrified latch pullback devices. Because the current draw is quite low there is no need for a more expensive power supply to provide the surge current.

Features
- Continuous duty solenoids used to insure trouble-free operation
- No hassle 3-Year Warranty
- Requires additional door prep

Options
- Available Fail Safe (Electrically Locked) or Fail Secure (Electrically Unlocked)
- Voltage options – 12V or 24V (AC/DC)
- Request to Enter Switch (REE) available
- CRU2 – Current Reduction Unit to improve solenoid life in “continuously on” applications

Specifications

<table>
<thead>
<tr>
<th>Solenoid</th>
<th>Continuous Duty 24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td>...12 or 24VAC/DC + OR – 10% (must specify 12 or 24 volts when ordering)</td>
</tr>
<tr>
<td>Amperage</td>
<td>260mA@12V / 160mA@24V</td>
</tr>
<tr>
<td>Coil Resistance</td>
<td>12V=49Ω / 24V=159Ω</td>
</tr>
</tbody>
</table>

To order, Specify:
- OPTIONS: FAIL SAFE (FS)
  - FAIL SECURE (FSE)

<table>
<thead>
<tr>
<th>ITEM#</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS12 ESC22</td>
<td>FS12 FAIL-SAFE OPTION 12V AC/DC</td>
</tr>
<tr>
<td>FS24 ESC22</td>
<td>FS24 FAIL-SAFE OPTION 24V AC/DC</td>
</tr>
<tr>
<td>FSE12 ESC22</td>
<td>FSE12 FAIL-SECURE OPTION 12V AC/DC</td>
</tr>
<tr>
<td>FSE24 ESC22</td>
<td>FSE24 FAIL-SECURE OPTION 24V AC/DC</td>
</tr>
</tbody>
</table>
(ELR) Electric Latch Retraction

Our electrified latch pullback exit device allows for remote keyless access control in high occupancy / high traffic conditions where exit devices are required. Common applications include conditions such as hospitals, airports, schools, churches and they are commonly specified in applications that require automatic door openers. The device may be continuously energized allowing for a push / pull condition if desired.

Features:
- Available on 2200 Series, including rim, vertical rod, concealed vertical rod, fire and non-fire-rated devices.
- MM3 Smart Module: On board diagnostics with audible feedback for adjustment and power issues
- "PTS": 5 second electronic adjustment for easy post installation adjustment
- Electric dogging rated for continuous duty - Auto retraction if dogged push pad is pulled from position
- Low current draw
- Up to 500’ wire - Long wire runs provides installer with convenience of placing the locking device power supply in a centralized location; i.e. the same closet as the access panel
- 6’ cable with Quick Connect for MM3 module to easily connect to power supply lead
- No hassle 3-year warranty

Specifications
- Voltage – 22 to 28 VDC
- System protection – unit shutdown when voltage exceeds 28VDC
- Average In-rush Current – 1A; Average Hold Current -180mA
- PTS adjustment – approx. 1/4”
- Wire run: 500’ with 18ga wire; 700’ with 16ga wire

To order, specify:
- Prefix ELR before PART #

Signal Switch RX and LX

RX (request to exit) signal switch is used to signal the use of an opening from the push side. When the push pad is depressed, the switch is activated. These devices are equipped with an internal SPDT (single pole double throw) switch that monitors the touch bar.

LX (latch bolt monitoring) signal switch monitors both egress and access of an opening. When the latch bolt is retracted, the switch is activated. These devices are equipped with an internal SPDT (single pole double throw) switch that monitors the latch bolt position.

LX and RX switches can be combined.

LX, RX switches can be used in combination with ELR (electric latch retraction) option.

Specifications
RX or LX..........Switch rated 0.5 amps @ 24VAC/DC resistive
Low current RX or LX..Switch rated 0.5 amps @ 24VAC/DC resistive

For Factory Installed:

To Order, Specify:
Prefix: - RX2200...............Request to Exit switch for field installation
LX2200...............Latch bolt Monitoring switch for field installation
LXRX2200...............Latch bolt Monitoring/Request to Exit Combination

KABA® - Cal-Royal Combination

Cal-Royal's Exit hardware devices combined with Kaba InSync CP provide a variety of alternatives when addressing community access control. Recommended for applications such as controlling building entry openings, common area rooms and doors with exit devices. InSync CP are available as stand-alone battery operated door locks designed to work in conjunction with Cal-Royal's Exit Hardware Devices.

**KABA InSync CP is not sold through CAL-ROYAL** For inquiries and information on InSync line of products please visit [www.kabamultihousing.com](http://www.kabamultihousing.com)
Power Supplies for Electrified Exit Devices

The CRPS1N is a heavy duty, high quality, low cost solution for powering a single latch retracting exit device. The solid-state design insures years of trouble-free operation. The power supply delivers raw, unregulated DC current which is ideal for the extreme in-rush requirement of most motor driven electric latch retracting exit devices. The power supply comes housed in a sturdy, yet compact metal enclosure.

CRPS1N

- Power supply delivers the necessary high current in-rush for a single exit device
- Solid-state design eliminates problems associated with mechanical relays
- Single input/output
- No hassle 2-year warranty

Specifications:
- Input voltage – 120 VAC
- Output voltage – 24 VDC unregulated @ 1A
- Temperature range – 0 to 120°F
- 1 Solid-State input/output (input triggered by dry contact)
- LEDs – RED = Power indicator
- GREEN = Channel on
- Enclosure dimensions: 10” x 10” x 4”

The CRPS2 Series power supplies are high quality, cost effective solution for powering two electric latch-retracting exit devices. These power supplies provide the necessary surge current that most latch-retracting exit devices require. The CRPS2 Series offers features found on power supplies costing much more; and the solid-state design and careful attention to detail make the CRPS2 Series ideal choice for the discerning user who requires a power supply that can offer years of trouble-free operation.

CRPS2
CRPS2BB

- Delivers the necessary in-rush current to power two latch pullback exit devices.
- Two independent inputs/outputs
- Solid-state design eliminates mechanical problems associated with relays
- Thermal overload sensing reduces risk of failure due to overheating
- Fire alarm disconnect link
- Inputs triggered by dry contact
- Intelligent short circuit detection detects shorts much faster than fuses and isolates the short to the individual output
- Removable Euro-style terminal blocks allow for easy installation
- UL Pending at time of print
- No hassle 2-year warranty

Additional Features (CRPS2BB Only):
- Efficient battery backup/charging circuitry with zero voltage drop at power loss
- Solid state reverse polarity protection for battery connections
- Audible alert when sensing AC power failure & low battery (batteries not included)
- Output Voltage – 24 VDC unregulated @ 2.3A
- Enclosure dimensions: 12.5” x 15” x 4”

Specifications:
- Input Voltage – 120 VAC
- Output Voltage – 24 VDC unregulated @ 2A**
- Temperature Range – 0° to 120°F
- 1 Solid-State input/output (input triggered by dry contact)
- LEDs – RED = Power indicator
- GREEN = Channel on
- Enclosure dimensions: 10” x 10” x 4”
**CRPS2 only

The CRSW3 power supply is a low cost, regulated switching power supply. It is designed specifically to supply power to low current DC devices such as mortise locks, cylindrical locks and electric strikes. The CRSW3 supplies 2.4A @ 27VDC and provides (3) non-fused outputs. The CRSW3 comes housed in a 10” x 10” x 4” sturdy metal enclosure.

CRSW3

- Adjustable output voltage (22-27V under load)
- No hassle 2-year warranty

Specifications:
- Input voltage – 110 or 240VAC
- Output voltage – 2.4A @ 27VDC
- (3) Non-fused outputs
- Enclosure dimensions: 10” x 10” x 4”

The CRPS5 power supply is a regulated, linear power supply rated at 5 Amps @ 24VDC. Its state-of-the-art, solid-state design offers a flexible and cost effective solution to powering and controlling low current DC locking devices. It is available in 4, 6, and 8 I/O models.

CRPS5 (5 Amps, 1 I/O)

OPTIONS:
CRPS5-4 (1.25 Amps, 4 I/O)
CRPS5-6 (0.83 Amps, 6 I/O)
CRPS5-8 (0.625 Amps, 8 I/O)

Features:
- Adjustable output voltage from 24-27VDC
- Independent, Battery backup charging circuit at 27.6V with Solid-state design and very low voltage loss
- No hassle 2-year warranty

Specifications:
- Input voltage - 110 VAC
- Output voltage - 24VDC @ 5A continuous current
- Up to (8) Solid-state inputs (specify dry contact or voltage trigger)
- Up to (8) Solid-state outputs
- Thermal auto-resetable fuses
Strike & Accessories

Strikes for use with 2260 vertical rod exit device
All strikes are black nylon coated

221
Standard for 2260. Applied to surface of floor or to a flat threshold. Standard packaging.

227

233

RIM238
Strike for 2 ¾” Backset Application

Overlapping Strikes

N251
Surface applied. Used on inactive leaf for device on active leaf of pair of doors without mullion

Additional Rods

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

CYLINDER DOGGING KITS

TO ORDER: Prefix “CD” before PART #. Available for all 2200 Series devices except fire exit hardware. Cylinder dogging with mortise cylinder is located on the mounting insert lock bolt in retracted position.

To order KIT ONLY: use PART # 36CD2200 for 36” and 48CD2200 for 48” devices. Specify finish.


Strikes for use with F2260V vertical rod fire exit device

245
Surface applied for F2260. Standard packaging.

233

Additional Accessories

245
Surface applied for F2260. Standard packaging.

239
For 2200 surface applied. Standard packaging

245
For F2200 surface applied. Standard packaging.

ADA Strike for 2200 exit device

TOP STRIKE

BOTTOM STRIKE
Roller Strike for Rim Device

GLASS BEAD SHIM KITS

401 – For rim type, ¼" thick
406 – For vertical type, ⅛" thick
412 – For fire rated type, ⅛" thick

When exit devices are used with shim kits with outside trim, spindle length thumbpiece and thru bolt length must be increased accordingly.

STANDARD HEX DOGGING KIT

(For non-rated Panic Bar)
PART # DOGGINGKIT (2200 Series)
# Fire Exit Hardware Selector

## Fire Exit Hardware Rating

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>MODEL #</th>
<th>MAXIMUM DOOR OPENING</th>
<th>UL DOOR RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE DOORS Rim type</td>
<td>F2200EO36 F2220EO48</td>
<td>4'0&quot; X 8'0&quot;</td>
<td></td>
</tr>
<tr>
<td>PAIRS OF DOORS Two surface mounted standard vertical rod type or less bottom rod (LBR) application. Prefix LBR before Part #</td>
<td>F2260V3684 X F2260V3684</td>
<td>8'0&quot; X 7'2&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>F2290V3696 X F2280V4896</td>
<td>8'0&quot; X 8'0&quot;</td>
<td></td>
</tr>
<tr>
<td>PAIRS OF DOORS Two rim type with Mullion</td>
<td>F2200EO36 F2220EO48</td>
<td>8'0&quot; X 8'0&quot;</td>
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</tr>
</tbody>
</table>

All fire rated exit devices in all applications, are also labeled for (B) 1 ½ hour, (C) ¾ hour, (D) 1 hour, (E) ¾ hour. All fire exit hardware meet UL10C and UBC 7-2-1997 codes. Includes ADA Series.

## HOW TO ORDER INFORMATION

### Exit device model number

**Panic grade**
- 2200 EO36 Rim type 36” door
- 2220 EO48 Rim type 48” door
- 2260 V3684 Vertical rod type 36” x 84”
- 2290 V3696 Vertical rod type 36” x 96”
- 2280 V4896 Vertical rod type 48” x 96”
- VRRD10 – Rod for 10’ non-rated door

**Fire grade**
- F2200 EO36 Rim type 36” door
- F2220 EO48 Rim type 48” door
- F2260 V3684 Vertical rod type 36” x 84”
- F2290 V3696 Vertical rod type 36” x 96”
- F2280 V4896 Vertical rod type 48” x 96”

1) Specify exit device model number according to size of door.
2) Specify ADA option if needed.
3) Specify trim selection. For interchangeable core prefix “IC” before part #.
4) For vertical rod devices specify LHR (Left Hand Reverse) or RHR (Right Hand Reverse) for convenience easily field reversible, otherwise shipped as LHR.
5) Specify finish:
   - Alum - Powder coated to match US26D
   - Duro - Powder coated to match US10B
   - Gold - Powder coated to match US4, US3
6) On thru bolt applications, fire rated vertical rod devices are packed with thru-bolts as standard feature. Thru-bolts are also available for other devices. To order thru-bolts add “SBN” to trim pack.

When ordering separately use following part #

- Cal-Royal Part # 357 — Thru-bolts for rim devices, 6 pcs / pack.
- Cal-Royal Part # 369 — Thru-bolts for vertical rod devices, 14 pcs / pack.
- Cal-Royal Part # 363 — Thru-bolts for rim devices, 6 pcs / pack for 2 ¼" thick doors.
- Cal-Royal Part # 375 — Thru-bolts for vertical rod devices, 14 pcs / pack for 2 ¼" thick doors.

**Ordering example:**
- 2200E036 ALUM X SBN X ENT00L 26D
- F2280V4896 DURO X ICSTR05L 10B
2200 & F2200 Rim Type and Fire Exit Devices
2260V & F2260V Vertical Rod Fire Exit Devices
ANSI A156.3 Grade 1
Selector Chart

SINGLE DOOR

PAIR OF DOORS WITHOUT MULLION

PAIR OF DOORS WITH MULLION

PAIR OF DOORS WITHOUT MULLION

HANDBING

**Vertical rod type or Rim type**
Surface applied 2 point lock.
Surface application.

**2 Vertical rod type**
Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal.

**2 Rim type with mullion**
Two independent active doors with full double door openings when required. Same direction.

**1 Vertical rod and 1 rim type**
Both devices are surface applied. A coordinator and overlapping strike is recommended.

**2 Vertical rod type**
Double egress surface applied.
2 point locking both doors opposite directions.

**Left Hand Orientation**
**Right Hand Orientation**

**LHR (Left hand reverse)**

**RHR (Right hand reverse)**

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
### Exit Devices

#### Comparison Chart

<table>
<thead>
<tr>
<th>RIM EXIT DEVICE CONVERSIONS</th>
<th>RIM</th>
<th>VERTICAL ROD</th>
<th>RIM</th>
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<tr>
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Distributed by: