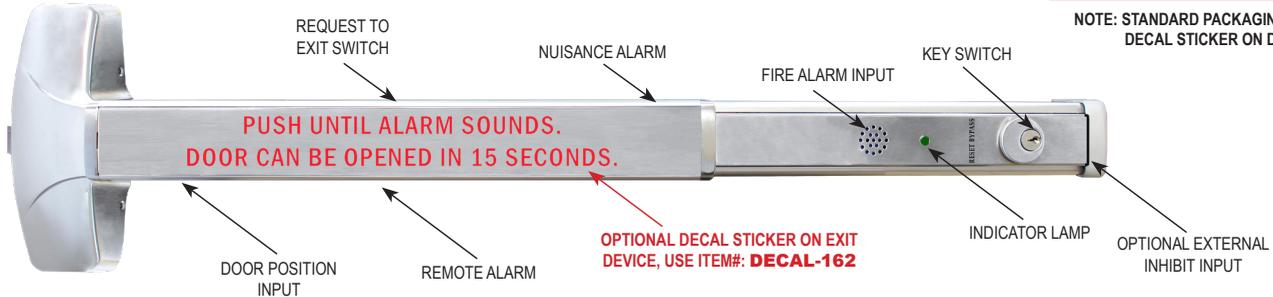


# DE7700 Series

GRADE 1 Delayed Egress All in One Exit Device

ANSI BHMA A156.24 Delayed Egress Locking System Approved



FEATURES		
EGRESS DELAY	BULIT-IN ANNUNCIATION	CODE COMPLIANCE
<ul style="list-style-type: none"> <li>All in One Device</li> <li>15 or 30 second exit delay (Factory set to 15 secs)</li> <li>1 or 2 second nuisance delay</li> <li>Alarm and Lock reset</li> <li>1 to 30 second momentary bypass</li> <li>Sustained bypass</li> </ul>	<ul style="list-style-type: none"> <li>Armed mode</li> <li>Nuisance mode</li> <li>Irreversible egress mode</li> <li>Release mode</li> <li><u>Optional External Inhibit Input</u></li> <li>Remote override</li> <li>Remote reset</li> </ul>	<ul style="list-style-type: none"> <li>IFC International Fire Code</li> <li>IBC International Building Code</li> <li>NFPA 101 Life Safety Code</li> <li>NFPA 1 Uniform Fire Code</li> <li>California Building Code</li> <li>Field selectable automatic or manual power up after emergency release or power loss</li> </ul>
CONTROL INPUTS	TRIGGER MODES	MONITORING OUTPUTS
<ul style="list-style-type: none"> <li>1 to 30 second request-to-exit and bypass input with anti-tailgate and jumper selectable door prop alarm</li> <li>Reset</li> </ul>	<ul style="list-style-type: none"> <li>Egress Alarm triggered by Push Bar</li> <li>Trigger input from external device field selectable (N/O or N/C)</li> </ul>	<ul style="list-style-type: none"> <li>Armed mode</li> <li>Nuisance mode</li> <li>Release status</li> </ul>

**MUST ORDER CR602RF or CR631RF POWER SUPPLY TO HONOR WARRANTY AND UL MARKING**

APPLICATION	
<p>When unauthorized egress is initiated the device delays egress through the door for 15 seconds (or 30 seconds). Meanwhile, the person exiting must wait while personnel or security responds. The door unlocks after 15 seconds have elapsed permitting egress. When powered by a fire control supervised power supply, the lock will release immediately in an emergency.</p>	<p>FOR USE WITH: (FIRE AND NON-FIRE)</p> <ul style="list-style-type: none"> <li>A7700, AF7700 Rim Exit Devices</li> <li>A7760V, AF7760V Surface Vertical Rod Exit Device<sup>1</sup></li> <li>MCVR7700, FMCVR7700 Concealed Vertical Rod (metal doors)</li> <li>WCVR7700, FWCVR7700 Concealed Vertical Rod (wood doors)</li> <li>MR7700, FMR7700 Mortise Lock Rim Exit Device</li> <li>GLS7700 Narrow Stile Rim Exit Device (on 36" Only)</li> <li>GLSCVR7700, FGLSCVR7700 Narrow Stile Concealed Vertical Rod (on 36" Only)</li> </ul> <p><sup>1</sup>Recommends use of rod and latch guards and strike monitor for surface vertical rods</p>

TECHNICAL SPECIFICATIONS	
<ul style="list-style-type: none"> <li>24V DC @ 430mA</li> <li>24V DC @ 250mA Slave</li> </ul> <p>Power Supply CR602RF 1 Amp / CR631RF 1.5 Amp</p>	<ul style="list-style-type: none"> <li>Field selectable 12 or 24V DC, regulated and filtered</li> <li>Auto resetting output circuit protection</li> <li>Isolated 13.5 / 27V DC battery charger</li> <li>Low battery disconnect</li> <li>Emergency release input</li> <li>Field selectable UBC &amp; California compliant manual power up</li> <li>Input, output and battery status LED's</li> <li>CR631RF - 16" x 14" x 6.5", CR602RF - 12" x 12" x 4" enclosure</li> <li>Choice of output and door control modules</li> <li>CR631RF - 1.5 Amp, CR602RF - 1.0 Amp</li> <li>Batteries not included</li> </ul>
<p>CR631RF</p>	<p>CR602RF</p>

# 7700 Series Delayed Egress Models

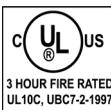
## GRADE 1 Delayed Egress All in One Exit Device

### ANSI / BHMA A156.24 Delayed Egress Locking System Approved

For use in institutions, schools, universities, commercial buildings where heavy duty reliable operation is a requirement. 7700 Series Delayed Egress can also be used 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, it conforms to standards UL10C and UBC 7-2-1997 codes.



**MEETS**  
*The Buy American Act*



**5-YEAR WARRANTY**



NOTE: STANDARD PACKAGING INCLUDES DECAL STICKER ON DOOR.



**A7700, AF7700 Rim Panic Exit Devices**



**A7760V, AF7760V Surface Vertical Rod Exit Devices**

To effectively use the surface vertical rod exit device, it is recommended that the rod and latch guards and monitor strike be used.



**GLS7700 Narrow Stile Rim Exit Devices (36" ONLY)**



\*Optional Decal sticker for the Exit Device, specify item# "DECAL-162" when ordering.



**MR7700, FMR7700 Mortise Exit Devices**

If a door position switch is not used, the outside trim will operate the door without affecting the armed setting of the device.



**MCV7700, FMCV7700 (metal doors)  
WCV7700, FWCV7700 (wood doors)  
Concealed Vertical Rod Exit Devices**



**GLSCV7700, FGLSCV7700 (36" ONLY)  
Narrow Stile Concealed Vertical Rod Exit Devices**

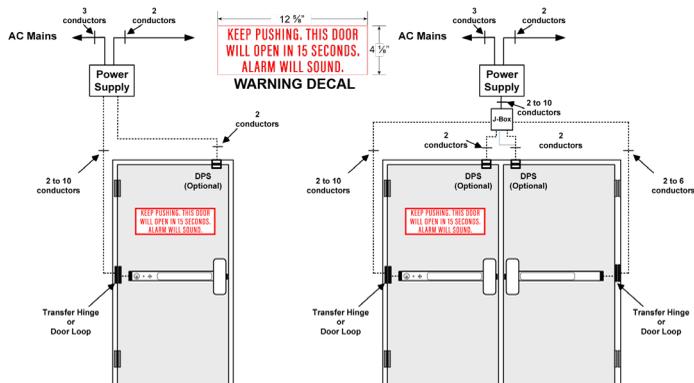
**DELAYED EGRESS OPTION IS AVAILABLE ON ALL 7700 SERIES EXIT DEVICES ( GLS7700 & GLSCV7700 Narrow Stile Exit Devices on 36" Only. Must use DEKIT48. )**

**♦♦ NOTE: DEKIT IS INSTALLED ON THE EXIT DEVICE UPON ORDERING. ♦♦**

*Must Specify: 7700 Series ITEM # and DEKIT36 (for 36") or DEKIT48 (for 48") separately.*

*for Example: A7700E036 US32D with Delayed Egress option,*

**ORDER: "A7700E036 US32D" and "DEKIT36 US32D" as two line items.**



Single Door

Pair of Doors



NOTE: STANDARD PACKAGING INCLUDES DECAL STICKER ON DOOR.

**MUST ORDER CR602RF OR CR631RF POWER SUPPLY TO HONOR WARRANTY AND UL MARKING**

# Alarm Exit Hardware



## Rim Type Exit Devices

- NALRMA770036 Alarm Rim Type 36" Door (Panic Grade)
- NALRMA772048 Alarm Rim Type 48" Door (Panic Grade)
- FNALRMA770036 Alarm Rim Type 36" Door (Fire Grade)
- FNALRMA772048 Alarm Rim Type 48" Door (Fire Grade)

## Vertical Rod Type Exit Devices

Prefix "NALRM" before PART #

### 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 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 for foolproof security on rim devices.
- Alarm unit has a signal OC output that can be linked to external alarm control systems.
- Unit includes "EMERGENCY EXIT ONLY • ALARM WILL SOUND" decal for application on door or unit.

## Cylinder Dogging Kit

**TO ORDER:** Prefix "CD" before PART #. Available for all 7700 Series devices except fire exit hardware.

**KIT ONLY:** use PART # 36CD7700 for 36" and 48CD7700 for 48" devices. Specify finish.

**NOTE:** Use PART # 48CD9800 for 36" GLS Narrow Stile Rim and CVR Non-Fire Exit Devices.



## Finishes (Refer to Price List for Stock Finishes)

Cal-Royal	Description	BHMA	US Finish	Material
10B	Oil Rubbed Bronze	613	US10B	Bronze
32D	Satin Stainless	630	US32D	Stainless Steel

⚙️ (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

## CLUTCH CYLINDRICAL LEVER



### Non-Handed Grade 1 (Clutch Style)

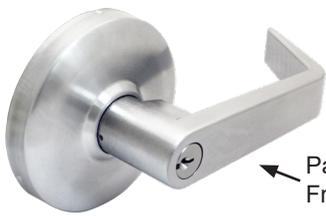
Cylindrical body hardened steel heavy duty tailpiece. For 1 3/4" and 2 1/4" doors. Prefix "THI" before Part # for 2 1/4" door thickness.

Available for fire and non-fire rated rim and vertical rod exit devices.

Rose diameter 3 1/2", lever length 4 3/4". Fits and covers 161 cutout.

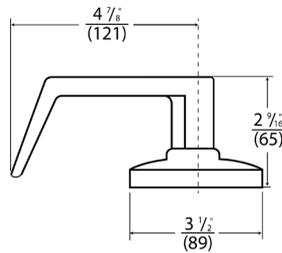
Finishes: US26D, US26, US3, US4, US10B, US10BE, US1

**\*GN DESIGN ONLY: ENT00L, ICENT00L, STR05L, ICSTR05L, PAS30L, DUM40L IN US32D FINISH, ALL STAINLESS STEEL EXTERIOR. INCLUDES GRADE 304SS LEVER AND ROSE**



**GN DESIGN**

Patented Clutch Freewheeling



- ENT00L or
- ICENT00L or
- ICSCENT00L4
- SARICENT00L (Sargent)
- RUSICENT00L (Corbin / Russwin)
- YALICENT00L (Yale)
- 8000K
- STR05L or
- ICSTR05L or
- ICSCSTR05L4
- SARICSTR05L (Sargent)
- RUSICSTR05L (Corbin / Russwin)
- YALICSTR05L (Yale)
- PAS30L
- DUM40L

**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 (09)

**PASSAGE**  
Trim always operable and free. ANSI Function (14)

**DUMMY**  
Dummy trim. One sided ANSI Function (02)

**KEYWAY:** 6-Pin solid brass "C" keyway standard. Optional: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa, Kaba and **Cal-Royal HSK** High Security Cylinders.

● (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, CORBIN/RUSSWIN, SARGENT and YALE Full Size Format** Interchangeable Core

KEYWAY + DESIGN + FUNCTION + FINISH	HOW TO ORDER IN LFIC																												
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">BEST, FALCON, &amp; ARROW -</td> <td style="border: 1px solid black; padding: 2px;">IC</td> <td style="border: 1px solid black; padding: 2px;">AT</td> <td style="border: 1px solid black; padding: 2px;">ENT00L</td> </tr> <tr> <td style="padding: 2px;">SCHLAGE -</td> <td style="border: 1px solid black; padding: 2px;">ICSC</td> <td style="border: 1px solid black; padding: 2px;">SPA</td> <td style="border: 1px solid black; padding: 2px;">STR05L</td> </tr> <tr> <td style="padding: 2px;">CORBIN/RUSSWIN -</td> <td style="border: 1px solid black; padding: 2px;">RUSIC</td> <td style="border: 1px solid black; padding: 2px;">TUB*</td> <td style="border: 1px solid black; padding: 2px;">PAS30L</td> </tr> <tr> <td style="padding: 2px;">SARGENT -</td> <td style="border: 1px solid black; padding: 2px;">SARIC</td> <td style="border: 1px solid black; padding: 2px;">AUG</td> <td style="border: 1px solid black; padding: 2px;">DUM40L</td> </tr> <tr> <td style="padding: 2px;">YALE -</td> <td style="border: 1px solid black; padding: 2px;">YALIC</td> <td style="border: 1px solid black; padding: 2px;">DAN</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="border: 1px solid black; padding: 2px;">LON</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="border: 1px solid black; padding: 2px;">TAC</td> <td></td> </tr> </table>	BEST, FALCON, & ARROW -	IC	AT	ENT00L	SCHLAGE -	ICSC	SPA	STR05L	CORBIN/RUSSWIN -	RUSIC	TUB*	PAS30L	SARGENT -	SARIC	AUG	DUM40L	YALE -	YALIC	DAN				LON				TAC		<p>Example: ICSCENT00L4 US26D in "SPA" design is ICSCSPAENT00L4 US26D</p>
BEST, FALCON, & ARROW -	IC	AT	ENT00L																										
SCHLAGE -	ICSC	SPA	STR05L																										
CORBIN/RUSSWIN -	RUSIC	TUB*	PAS30L																										
SARGENT -	SARIC	AUG	DUM40L																										
YALE -	YALIC	DAN																											
		LON																											
		TAC																											
<p><b>**Note:</b> Yale LFIC is only available in GN, AT, SPA lever designs   TUB* is only available in SFIC.</p>																													

### Other Lever Trim Designs

●● Available in SFIC & LFIC



**AT**

●● Available in SFIC & LFIC



**SPA**

● Available in SFIC



**TUB**

●● Available in SFIC & LFIC  
*\*except YALE LFIC*



**AUG**

●● Available in SFIC & LFIC  
*\*except YALE LFIC*



**DAN**

●● Available in SFIC & LFIC  
*\*except YALE LFIC*



**LON**

●● Available in SFIC & LFIC  
*\*except YALE LFIC*



**TAC**



**8000K**

Anti-Microbial Coating available in US26D or US32D Only. Use part # **ANTB-TRIM** when ordering.

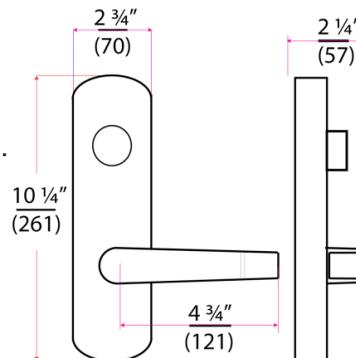
# Trim Selection



## RIGID LEVER ESCUTCHEON

### 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
- Standard 6-Pin Schlage "C" Mortise Cylinder included



### DOOR THICKNESS

Standard 1 3/4". For 2 1/4" thick door use additional Part # TAIL3

### ESCUTCHEON DIMENSIONS

2 3/4" width X 10 1/4" length. Lever length: 4 3/4". Fits and covers 2 1/8" 161 cutout

Anti-Microbial Coating available in US26D or US32D Only. Use part # "ANTB-TRIM" when ordering.

**ESC7700 or ICESC7700 or ICSCESC7700**

### ENTRANCE

Rigid Entrance, key locks or unlocks escutcheon trim ANSI Function (08) Operates as classroom function

**ESC7705 or ICESC7705 or ICSCESC7705**

### STOREROOM

Rigid Storeroom, key unlocks lever, lever retracts latch bolt, otherwise always locked ANSI Function (09)

**ESC7730**

### PASSAGE

Trim always operable and free ANSI Function (14)

**ESC7740**

### DUMMY

Dummy Escutcheon trim ANSI Function (02)

**TO ORDER** other lever design insert "AT", "RL", "TUB", "LON", or "TAC" before "ESC": e.g. **ATESC7700** for ESC7700 with AT design.

**KEYWAY:** 6-Pin solid brass "C" keyway Mortise Cylinder standard. Optional: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa, Kaba and **Cal-Royal HSK** High Security Cylinders.

**FOR ELECTRIFIED TRIM OPTIONS SEE PAGE 12**

- **(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.

### Lever Trim Designs



**ESC**



**ATESC**



**RLESC**



**TUBESC**



**LONESC**



**TACESC**

# Trim Selection



## HEAVY DUTY STAINLESS STEEL CLUTCH LEVER ESCUTCHEON (High Frequency Abusive Situation such as Schools, Hospitals, Industrial / Institutional)

### CONSTRUCTION

- Clutch mechanism
- Double heavy duty spring support to prevent sagging and enhance operation
- Grade 1, thru-bolted design. Non-handed design. Easily field reversible
- All Stainless 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

### DOOR THICKNESS

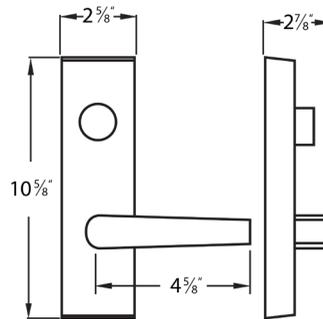
Standard 1 3/4" to 2".

For 2" or 2 1/2" thick door use additional Part # TAIL9

### ESCUTCHEON DIMENSIONS

2 5/8" width X 10 5/8" length. Lever length: 4 5/8".

Fits and covers 2 1/8" 161 cutout



HDESC-00 or

- ICHDESC-00
- ICSCHDESC-00

HDTSESC-00

- ICHDTSESC-00
- ICSCHDTSESC-00

HDESC-05 or

- ICHDESC-05
- ICSCHDESC-05

HDTSESC-05

- ICHDTSESC-05
- ICSCHDTSESC-05

HDESC-30

HDTSESC-30

HDESC-40

HDTSESC-40

### ENTRANCE

Clutch Entrance, key locks or unlocks escutcheon trim.  
ANSI Function (08)  
Operates as classroom function

### STOREROOM

Clutch Storeroom, key unlocks lever, lever retracts latch bolt, otherwise always locked. ANSI Function (09)

### PASSAGE

Trim always operable and free  
ANSI Function (14)

### DUMMY

Dummy Escutcheon trim  
ANSI Function (02)

**FOR ELECTRIFIED TRIM OPTIONS, SEE PAGE 12**

TO ORDER RL lever design, add "RL" after "HD" when ordering.  
e.g. HDRLESC-00 for HDESC-00 with RL design.

**KEYWAY:** 6-Pin solid brass "C" keyway Mortise Cylinder standard. Optional: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa, Kaba and *Cal-Royal HSK* High Security Cylinders.

• (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.

### Lever Trim Designs



**HDESC**



**HDTSESC**



**HDRLESC**

Anti-Microbial Coating available in US32D Only.  
Use part # "ANTB-TRIM" when ordering.

# Trim Selection



## PULL DESIGN

**7700 NL**  
 ● IC7700NL  
 ● ICSC7700NL

### FOR RIM DEVICES ONLY

Outside by pull and key.  
 Key retracts latch bolt.  
 ANSI function (03)  
 Covers 161 cutout

### KEYWAY

Standard 6-Pin solid brass "C"  
 keyway Rim Cylinder included.

### FINISHES

Architectural plated finishes.



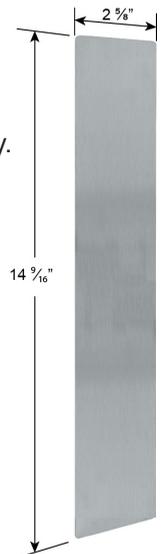
**7700 DTP**

Outside by pull only.  
 Pull when dogged.  
 ANSI function (02)  
 Covers 161 cutout.



**7700 EOP**

Outside by plate only.  
 ANSI function (01)  
 Covers 161 cutout



**77TP00 or**  
 ● IC77TP00  
 ● ICSC77TP00

### ENTRANCE

Key locks or unlocks thumbpiece.  
 (Operates as classroom function)  
 ANSI Function (05)

**77TP05 or**  
 ● IC77TP05  
 ● ICSC77TP05

### STOREROOM

Key unlocks thumbpiece, thumbpiece retracts  
 latch bolt, otherwise always locked.  
 ANSI Function (06)

**77TP30**

### PASSAGE

Trim always operable and free.  
 ANSI Function (15)

**77TP40**

### DUMMY

Dummy trim. **Includes blank Mortise  
 dummy cylinder.** One sided.  
 ANSI Function (02)

### KEYED



### DUMMY



**KEYWAY:** 6-Pin solid brass "C" keyway Mortise Cylinder standard. Optional: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa, Kaba and **Cal-Royal HSK** High Security Cylinders.

### ● (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.

### FINISHES

Architectural plated finishes.

# Electrified Lever Trim



Cal-Royal's electrified lever trim provides remote locking and unlocking capabilities using industry safety standards. The 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
- Internally mounted solenoid to ease installation (no special door prep required)
- No hassle 3-year warranty

## 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

Solenoid..... Continuous Duty

Operating Voltage.... 12 or 24V AC / DC  $\pm$  10%  
(must specify 12 or 24 volts when ordering)

Amperage.....250mA @ 12V or 150mA @ 24V

Coil Resistance.....12V = 49 $\Omega$  or 24V = 159 $\Omega$

## To order, Specify:

OPTIONS: FAIL SAFE (FS)

FAIL SECURE (FSE)

ITEM#	DESCRIPTION
FS12	FS12 FAIL-SAFE OPTION 12V AC/DC
FS24	FS24 FAIL-SAFE OPTION 24V AC/DC
FSE12	FSE12 FAIL-SECURE OPTION 12V AC/DC
FSE24	FSE24 FAIL-SECURE OPTION 24V AC/DC

**TO ORDER** other design, ADD: "ESC77", "ATESC77", "RLESC77", "TUBESC77", "LONESC77", or "TACESC77" after the Electrification.  
e.g. FSE24**ATESC77** for ESC77 in AT design

**TO ORDER** heavy duty design add **HD**, **TS**, or **RL** to Item #  
e.g. FS12**HD** or FS12**TS** or FS12**RL**

## Lever Trim Designs



**ESC**



**ATESC**



**RLESC**



**TUBESC**



**LONESC**



**TACESC**



**HDESC**



**HDTSESC**



**HDRLESC**

Anti-Microbial Coating available in US26D or US32D Only.  
Use part # **"ANTB-TRIM"** when ordering.

# (ELR) Electric Latch Retraction



Our motor driven 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 7700 Series, including rim, vertical rod, concealed vertical rod, mortise exit device, fire and non fire-rated devices
- MM4S Smart Module: On board diagnostics with audible feedback for adjustment and power issues
- “PTS” (Push to Set Technology): 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 - Field switchable to “High Torque” mode
- Up to 300’ wire run with (2) 18ga 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
- 8’ cable with Quick Connect for MM4S module to easily connect to power supply lead
- 3-year “No Hassle” warranty

## Specifications:

- Voltage – 22 to 28V DC
- System protection – unit shutdown when voltage exceeds 28V DC
- Average In-rush Current – 900mA; Average Hold Current - 215mA
- PTS adjustment – approx. ¼”
- Wire run: 300’ with 18ga wire



**INSTALLED ON THE EXIT  
DEVICE: USE FLR7700 ADD**

**FOR FIELD INSTALLATION  
USE FLR7700 KIT**

## To Order:

- **Must Specify: Exit Device item #** and **FLR7700 ADD** as two separate line items.  
For Example: A7700EO36 US32D with ELR option, order “**A7700EO36 US32D**”, and “**FLR7700 ADD**” as two line items.
- **\*Use FLR7700 KIT if ordered separately.**
- **Optional Switch** (RX or LX) is also available and should be added as a **3<sup>rd</sup> line item** as needed.

**Note:** When using electrified hinge, you must use prefix ELELRn + hinge item code, where “n” is equal to number of wires. For example: ELELR4 + BB31.

**MUST USE CRP POWER SUPPLIES TO  
HONOR WARRANTY (see pages 97-98)**

## 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 @ 24V AC / DC resistive  
Low current **RX** or **LX**.Switch rated 0.5 amps @ 24V AC / DC resistive

## for Factory Installed. To Order, Specify:

**RX7700**.....Request to Exit switch for field installation  
**LX7700**.....Latch bolt Monitoring switch for field installation  
**LXRX7700**.....Latch bolt Monitoring / Request to Exit Combination

# Heavy Duty Digital Exit Trims

## MECHANICAL CRCODE101

### Features

- Heavy Duty
- Designed for 6600, 7700 and 9800 Series
- Grade 1 Rim and Surface Vertical Rod Exit Devices
- Single Code (up to 8000 code combinations)
- Weather-Resistant finish
- Code can be changed anytime without dismounting
- Full size, Non-Handed lever handle
- Easy Installation
- Reversible Handing

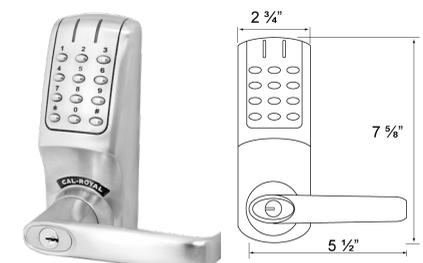


**CRCODE101**

## ELECTRONIC CRCODE007

### Features

- Dual mode for code free entry either mechanically by key or electronically thru the keypad
- Designed for 6600, 7700 and 9800 Series Rim Exit Devices
- Can store up to 90 different numeric user codes in 4, 5 or 6 digits
- Settings remain in memory when batteries are removed
- Audible alarm sounds after 3 incorrect attempts
- Connections available for remote release switch and automatic lock activation when linked to Fire alarm system
- Can be used as STOREROOM or CLASSROOM function
- Factory default set as STOREROOM function
- Fast and easy programming via master code

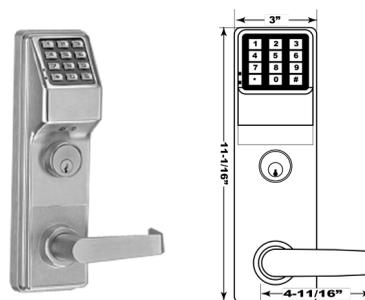


**CRCODE007**

## CR5000 TRILOGY® KEYLESS EXIT TRIM

### Features

- Clutch mechanism insures long life and durability
- Fingertip and / or Windows programmable
- 2000 User Codes: Master, manager, supervisor and users
- Real Time Clock for up to 40,000 Event Time / Date-Stamped Audit Trail
- Up to 500 Lock / Unlock Schedules (with Time Zone Support)
- Rugged 12-Button Metal Keypad
- Non-Handed; Fully Field Reversible
- Adaptable to most major manufacturers of standard RIM and IC RIM Cylinders
- Battery operated; uses 5 AA batteries
- Optional Interchangeable Core available with Best, Falcon & Arrow

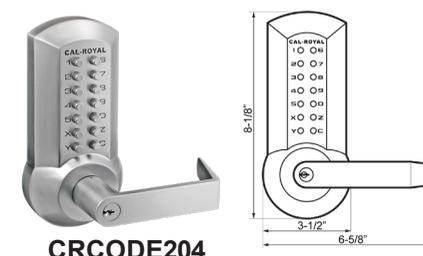


**CR5000**

## 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 3/4" - 2"



**CRCODE204**

## 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.

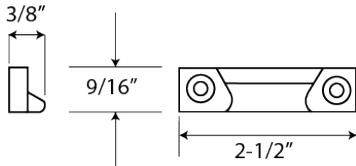
**KABA InSync CP is not sold through CAL-ROYAL.** For inquiries and information on InSync line of products please visit [www.kabamultihousing.com](http://www.kabamultihousing.com)



# Strikes & Accessories

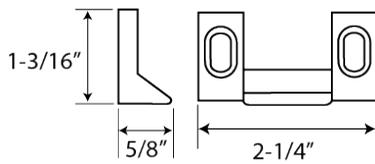


## Strikes for use with A9860V Vertical Rod Exit Device All strikes are black nylon coated



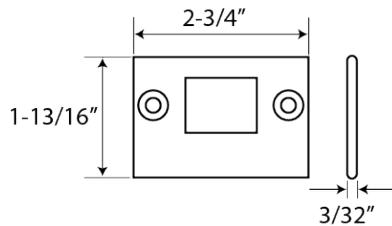
**221**

Standard for A7760V. Applied to surface of floor or to a flat threshold. Standard packaging.



**227**

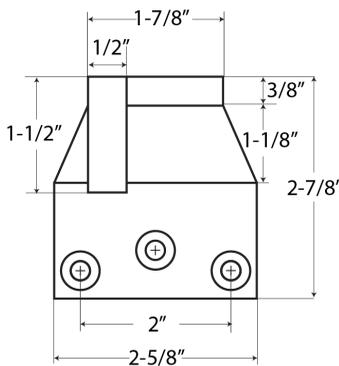
Applied to surface of stop. No mortise required. Standard packaging.



**233**

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

## Overlapping Strikes



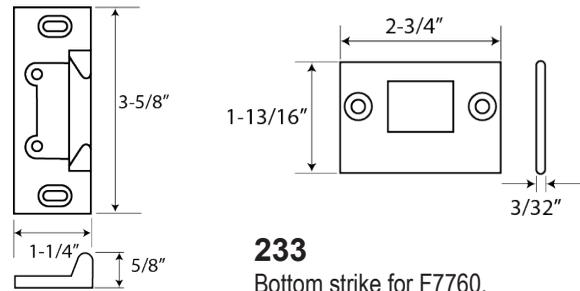
**951**

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

## Additional Rods

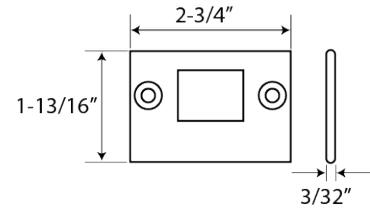
Vertical rod for 10 feet high doors available on non-fire rated vertical rod devices only. Use Part # VRRD10.

## Strikes for use with A7760V Vertical Rod Fire Exit Device



**245**

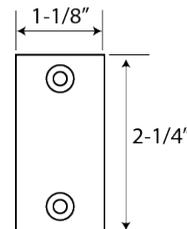
Surface applied for F7760. Standard packaging.



**233**

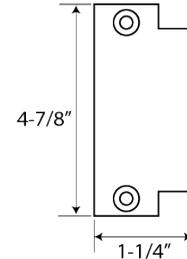
Bottom strike for F7760. Flush mounting stainless steel. Furnished with expansion shields. Requires mortise in the floor. Standard packaging.

## Additional Accessories



**LFF**

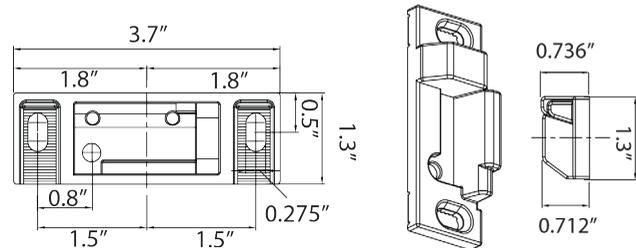
Lock front filler



**SF**

Strike filler

## Strikes for use with A7700 Rim Type Exit Device



**938**

for A7700 surface applied. Standard packaging.

## GLASS BEAD SHIM KITS

**901** – For rim type, 1/8" thick

**906** – For vertical type, 1/8" thick

**912** – For fire rated type, 1/8" thick

