CAL-ROYAL
PRODUCTS, INC. U.S.A.

CRP G SECURITIES USA

A9800 & AF9800 Rim Type Panic and Fire Exit Devices (ADA)
A9860V & AF9860V Vertical Rod Panic and Fire Exit Devices (ADA)
ANSI A156.3, Grade 1

LIFETIME WARRANTY

BHMA™ CERTIFIED Be Safe. Be Secure. Look for the Mark.

MEETS *The Buy American Act*

ADA COMPLIANT

c(UL)us **3 HOUR FIRE RATED** UL10C, UBC7-2-1997

Features & Construction

♦ **Retrofits Sargent 8800 Series using 9800 Escutcheon Trim**

♦ Americans with Disability Act (ADA) compliant. 5lbs opening force on ADA product only

♦ ANSI A156.3, Grade 1 heavy duty exit device in surface vertical rod and rim designs

♦ Rail assemblies and end caps are brass, bronze or stainless steel and rail travels in direction of the door swing

♦ Trims are thru-bolted for additional security

♦ Conforms & meets ADA Regulations (ADA products only)

♦ UL Listed for Panic and UL10C, 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 on rose trims. Escutcheon trims are rigid and covers 161 cut out.

♦ For use in institutions, schools, universities, commercial buildings where heavy duty reliable operation is a requirement

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 Underwriter' 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, ADA option

A9800 & AF9800 ADA Series
GRADE 1, Rim Type Exit Device

LIFETIME WARRANTY

BHMA CERTIFIED
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MEETS *The Buy American Act*

ADA COMPLIANT

C UL US 3 HOUR FIRE RATED UL10C, UBC7-2-1997

CAL-ROYAL PRODUCTS, INC. USA

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

Refer to the Price List for Stock Sizes and Finishes

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, thumbpiece and escutcheon trims. 2 ¾" backset
Chassis.....................	Non-ferrous Alloy (Panic Grade), Steel (Fire Grade)
Cover........................	Brass, Bronze or Stainless Steel. Covers stock hollow metal doors with 161 cutout
Mounting...................	Furnished with wood and machine screws. Available with thru-bolts on request. **Thru-bolts are included and standard packaging on fire rated devices**
Dogging Feature......	Allen-type key furnished standard on non-fire labeled devices. Cylinder dogging available
Mullion……………….	Available
UL and ULC Listed…	A9800 Series for panic. AF9800 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
Electronic Functions...	(ELR) Electrical Latch Retraction and RX & LX Signal Switch available
Anti-Microbial.............	Available on US32D only. Use part # **ANTB-EXIT**

End Cap.....................	Brass, Bronze or Stainless Steel construction
Alarm........................	Available.
Hand…………...........	Non handed, center hub
Latch Bolt…..............	Stainless Steel ¾" throw
Spring.......................	Stainless Steel throughout
ANSI Standard..........	A156.3, Grade 1
Strike…………..........	239 packed standard (See strike page)
Trim..........................	See Trim Designs section

Minimum Stile Requirements
4" escutcheon trims and
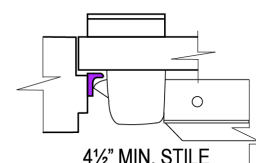4 ½" for thumbpiece and rose trim

DOUBLE DOOR
4½" MIN. STILE
TRIM
239 STRIKE
418 MULLION
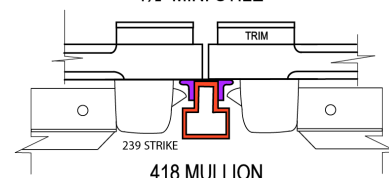
239 STRIKE
424 MULLION
4⅝" MIN. STILE
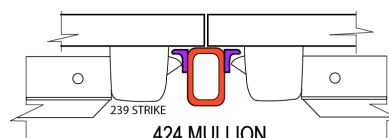
SINGLE DOOR
4½" MIN. STILE

DIMENSIONS

Touchbar height to finished floor	41" (1041 mm) at center
Touchbar Projection Neutral	2 ½" (64 mm)
Depressed	1 ¾" (45 mm)
Center case	8 ½" x 2 ½" x 2" (216 mm x 64 mm x 51 mm)

MODEL	ACTUAL SIZE	MAX CUT DOWN	DOOR SIZE
A9800EO24, AF9800EO24,	20"	2"	22" to 24" door width
A9800EO32, AF9800EO32	28"	6"	26" to 32" door width
A9800EO36, AF9800EO36	32"	6"	30" to 36" door width
A9820EO48, AF9820EO48	44"	12"	36" to 48" door width

A9860V & AF9860V ADA Series
GRADE 1, Vertical Rod Type Exit Device

CAL·ROYAL PRODUCTS, INC. USA

LIFETIME WARRANTY

BHMA™ CERTIFIED Be Safe. Be Secure. Look for the Mark.

MEETS *The Buy American Act*

ADA COMPLIANT

c(UL)us 3 HOUR FIRE RATED UL10C, UBC7-2-1997

Specifications

For Doors.............................	1 ¾" 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. 2 ¾" backset
Top & Bottom Chassis.........	Non-ferrous Alloy (Panic Grade), Steel (Fire Grade)
Cover.....................................	Brass, Bronze or Stainless Steel. Covers stock hollow metal doors with161 cutout.
Mounting..............................	Furnished with wood and machine screws. Thru-bolts are standard packaging on fire rated devices
Alarm…..................................	Available. Prefix **"NALRM"** before MODEL #
End Cap...............................	Brass, Bronze or Stainless Steel Construction
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 brass, bronze or stainless steel
Strike……..............................	See strike page

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

Refer to the Price List for Stock Sizes and Finishes

Dogging Feature..................	Allen-type key furnished standard on non-fire labeled devices. Cylinder dogging available
Electronic Functions..........	(ELR) Electrical Latch Retraction and RX & LX Signal Switch available
UL and ULC Listed…..........	A9860V Series for panic. AF9860V Series for fire exit hardware for all types of **8' x 10' double doors** for up to 3-hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
Finish.…………….…………	Architectural plated finishes.
Anti-Microbial Coating.........	Available on US32D only. Use part # **ANTB-EXIT**

DIMENSIONS

Touchbar height to finish floor	41" (1041 mm) at center
Touchbar Projection Neutral Depressed	2 ½" (64 mm) 1 ¾" (45 mm)
Panic grade top & bottom latch case	3 ¹⁵/₁₆" x 2 ⅛" x 1 ⅜" (100 mm x 54 mm x 35 mm)
Fire grade top latch case	3 ¹⁵/₁₆" x 2 ¹¹/₁₆" x 2 ¹/₁₆" (100 mm x 68 mm x 52 mm)
Fire grade bottom latch case	3 ¹⁵/₁₆" x 2 ⅛" x 1 ⅜" (100 mm x 54 mm x 35 mm)
Top and bottom rod length for 36" x 84"	Top rod 37 ½" (953 mm), bottom rod 35 ⅝" (905 mm)
Top and bottom rod length for 48" x 96"	Top rod 49 ⅝" (1260 mm), bottom rod 35 ⅝" (905 mm)
Vertical rods	½" (13 mm) Round tubing

Minimum Stile Requirements

Double Door with Two Vertical Rod Type Exit Devices

3 ½" Min. Stile
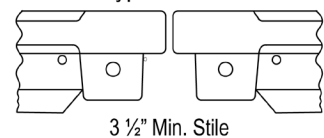
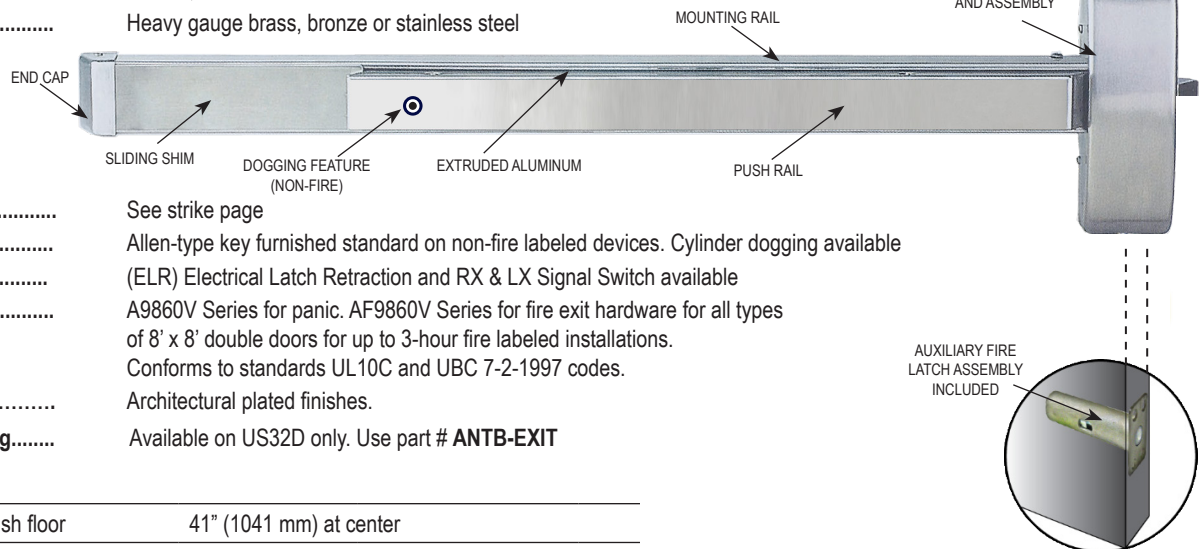| MODEL	ACTUAL SIZE	MAX CUT DOWN	DOOR SIZE
A9810V2484, AF9810V2484	20"	2"	22" to 24" door width
A9860V3684, AF9860V3684, A9890V3696, AF9890V3696, A9850V36120, AF9850V36120, A9870V3284, AF9870V3284	32"	6"	30" to 36" door width
A9880V4896, AF9880V4896, A9840V48120, AF9840V48120	44"	12"	36" to 48" door width

CAL-ROYAL PRODUCTS, INC. U.S.A.

CRP SECURITIES USA

(800) 876-9258 | www.cal-royal.com | SEPT 2020

ALBR9860V & ALBRF9860V ADA Series
GRADE 1, Vertical Rod Exit Device Less Bottom Rod

CAL·ROYAL PRODUCTS, INC. USA

LIFETIME WARRANTY

BHMA™ CERTIFIED Be Safe. Be Secure. Look for the Mark.

MEETS *The Buy American Act*

ADA COMPLIANT

c(UL)us 3 HOUR FIRE RATED UL10C, UBC7-2-1997

Specifications

For Doors..............................	1 ¾" 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. 2 ¾" backset
Top Chassis...........................	Non-ferrous Alloy (Panic Grade), Steel (Fire Grade)
Cover.....................................	Brass, Bronze or Stainless Steel. Covers stock hollow metal doors with161 cutout.
Mounting...............................	Furnished with wood and machine screws. **Thru-bolts are standard packaging on fire rated devices**
Alarm..................................	Available. Prefix **"NALRM"** before MODEL #
End Cap...............................	Brass, Bronze or Stainless Steel Construction
Hand…………....................	Handed. Easily field reversible. Specify at time of order LHR, RHR for convenience
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. Comes standard on Fire-Rated device only.
ANSI Standard………...........	A156.3, Grade 1
Rail Assembly……..............	Heavy gauge brass, bronze or stainless steel

TOP LATCH ASSEMBLY

TOP ROD GUIDE

CASTED CHASSIS AND ASSEMBLY

MOUNTING RAIL

END CAP

SLIDING SHIM

DOGGING FEATURE (NON-FIRE)

EXTRUDED ALUMINUM

PUSH RAIL

Strike……...........................	See strike page
Dogging Feature..................	Allen-type key furnished standard on non-fire labeled devices. Cylinder dogging available
Electronic Functions..........	(ELR) Electrical Latch Retraction and RX & LX Signal Switch available
UL and ULC Listed…............	A9860V Series for panic. AF9860V 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.………………............	Architectural plated finishes.
Anti-Microbial Coating........	Available on US32D only. Use part # **ANTB-EXIT**

AUXILIARY FIRE LATCH ASSEMBLY INCLUDED

DIMENSIONS

Touchbar height to finish floor	41" (1041 mm) at center
Touchbar Projection Neutral	2 ½" (64 mm)
Depressed	1 ¾" (45 mm)
Panic grade top & bottom latch case	3 ¹⁵/₁₆" x 2 ¹/₈" x 1 ³/₈" (100 mm x 54 mm x 35 mm)
Fire grade top latch case	3 ¹⁵/₁₆" x 2 ¹¹/₁₆" x 2 ¹/₁₆" (100 mm x 68 mm x 52 mm)
Fire grade bottom latch case	3 ¹⁵/₁₆" x 2 ¹/₈" x 1 ³/₈" (100 mm x 54 mm x 35 mm)
Top and bottom rod length for 36" x 84"	Top rod 37 ½" (953 mm)
Top and bottom rod length for 48" x 96"	Top rod 49 ⁵/₈" (1260 mm)
Vertical rods	½" (13 mm) Round tubing

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

Refer to the Price List for Stock Sizes and Finishes

MODEL	ACTUAL SIZE	MAX CUT DOWN	DOOR SIZE
ALBR9810V2484, **ALBR**F9810V2484	20"	2"	22" to 24" door width
ALBR9870V3284, **ALBR**F9870V3284	28"	6"	26" to 32" door width
ALBR9860V3684, **ALBR**F9860V3684, **ALBR**9890V3696, **ALBR**F9890V3696, **ALBR**9850V36120	32"	6"	30" to 36" door width
ALBR9880V4896, **ALBR**F9880V4896, **ALBR**9840V48120	44"	12"	36" to 48" door width

Minimum Stile Requirements

Double Door with Two Vertical Rod Type Exit Devices

3 ½" Min. Stile
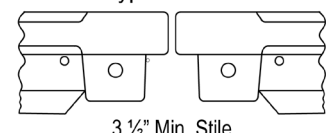
Alarm Exit Hardware
GRADE 1 Rim Type Exit Device

3 HOUR FIRE RATED
UL10C, UBC7-2-1997

Rim Type Exit Devices

NALRMA9800EO36   Alarm Rim Type 36" Door (Panic Grade)

NALRMA9820EO48   Alarm Rim Type 48" Door (Panic Grade)

FNALRMA980036   Alarm Rim Type 36" Door (Fire Grade)

FNALRMA982048   Alarm Rim Type 48" Door (Fire Grade)

Vertical Rod Type Exit Devices

Prefix **"NALRM"** before MODEL #

Features

- 1, 3, 5-minute and continuous alarm type settings available 3 ½"
- 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 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

Finishes

Cal-Royal	Description	BHMA	US Finish	Material
P	Prime Coat	600	USP	Steel
3	Polished Brass, Clear Powder Coat	605	US3	Brass
4	Satin Brass, Clear Powder Coat	606	US4	Brass
9	Polished Bright Bronze	611	US9	Bronze
10	Satin Bronze, Clear Powder Coat	612	US10	Bronze
10B	Oil Rubbed Bronze	613	US10B	Bronze
26	Polished Bright Chrome	625	US26	Brass
26D	Satin Chrome	626	US26D	Brass
32	Polished Bright Stainless	628	US32	Stainless Steel
32D	Satin Stainless	630	US32D	Stainless Steel

CAL-ROYAL PRODUCTS, INC. U.S.A.

Trim Selection
CLUTCH CYLINDRICAL LEVER

CAL·ROYAL
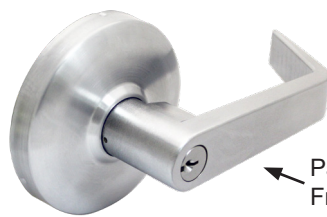PRODUCTS, INC.
USA

<u>Non-Handed</u> 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.
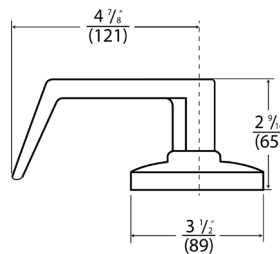Rose diameter 3 ½", lever length 4 ¾". Fits and covers 161 cutout.
<u>Finishes:</u> US26D, US26, US3, US4, US10B, US10BE, US1

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

Other Lever Trim Designs

Patented Clutch
Freewheeling

4 ⁷⁄₈
(121)

2 ⁹⁄₁₆
(65)

3 ½
(89)

GN DESIGN

ENT00L or	**ENTRANCE**
ICENT00L or	Key locks and unlocks lever.
ICSCENT00L4	Operates as CLASSROOM
SARICENT00L (Sargent)	FUNCTION.
RUSICENT00L (Corbin / Russwin)	ANSI Function (08)
YALICENT00L (Yale)	
8000K	Ball Knob Keylock
STR05L or	**STOREROOM**
ICSTR05L or	Key operates lever,
ICSCSTR05L4	otherwise always locked.
SARICSTR05L (Sargent)	ANSI Function (09)
RUSICSTR05L (Corbin / Russwin)	
YALICSTR05L (Yale)	
PAS30L	**PASSAGE**
	Trim always operable and free.
	ANSI Function (14)
DUM40L	**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

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

KEYWAY +	DESIGN +	FUNCTION +	FINISH
BEST, FALCON, & ARROW - **IC**	**AT**	**ENT00L**	**HOW TO ORDER IN LFIC**
SCHLAGE - **ICSC**	**SPA**	**STR05L**	
CORBIN/RUSSWIN - **RUSIC**	**TUB***	**PAS30L**	Example: ICSCENT00L4 US26D
SARGENT - **SARIC**	**AUG**	**DUM40L**	in "SPA" design is
YALE - **YALIC**	**DAN**		ICSC<u>SPA</u>ENT00L4 US26D
	LON		
	TAC		

**Note: Yale LFIC is only available in GN, AT, SPA lever designs | TUB* is only available in SFIC.

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

CAL·ROYAL
PRODUCTS, INC. U.S.A.

CRP SECURITIES USA

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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 ¾" to 2".
For 2" or 2 ½" thick door use additional Part # TAIL9

ESCUTCHEON DIMENSIONS
2 ⅝" width X 10 ⅝" length.   Lever length: 4 ⅝".
Fits and covers 2 ⅛" 161 cutout
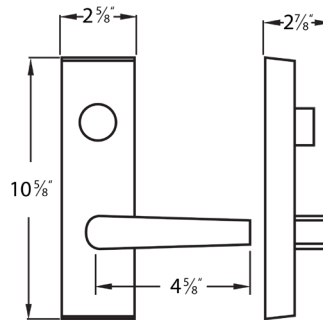
HDESC-00 or **ICHDESC-00** **ICSCHDESC-00**	**ENTRANCE**	Clutch Entrance, key locks or unlocks escutcheon trim. ANSI Function (08) Operates as classroom function
HDTSESC-00 **ICHDTSESC-00** **ICSCHDTSESC-00**		
HDESC-05 or **ICHDESC-05** **ICSCHDESC-05**	**STOREROOM**	Clutch Storeroom, key unlocks lever, lever retracts latch bolt, otherwise always locked. ANSI Function (09)
HDTSESC-05 **ICHDTSESC-05** **ICSCHDTSESC-05**		
HDESC-30 **HDTSESC-30**	**PASSAGE**	Trim always operable and free ANSI Function (14)
HDESC-40 **HDTSESC-40**	**DUMMY**	Dummy Escutcheon trim ANSI Function (02)

FOR ELECTRIFIED TRIM OPTIONS, SEE PAGE 37

TO ORDER RL lever design, add "**RL**" after "**HD**" when ordering.
e.g. HD**RL**ESC-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.

Dimensions shown in diagram: 2 ⅝", 2 ⅞", 10 ⅝", 4 ⅝"

Trim Selection
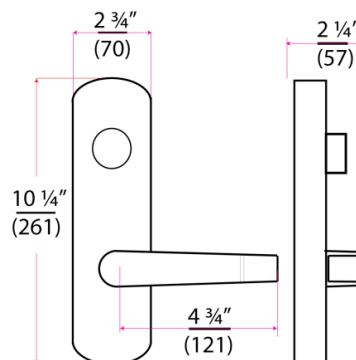## RIGID LEVER ESCUTCHEON

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 ¾". For 2 ¼" thick door use additional Part # TAIL3

ESCUTCHEON DIMENSIONS
2 ¾" width X 10 ¼" length. Lever length: 4 ¾".
Fits and covers 2 ⅛" 161 cutout.

NESC9800 or ⬢ **ICNESC9800 or** ⬢ **ICSCNESC9800**	**ENTRANCE** Rigid Entrance, key locks or unlocks escutcheon trim ANSI Function (08) Operates as classroom function
NESC9805 or ⬢ **ICNESC9805 or** ⬢ **ICSCNESC9805**	**STOREROOM** Rigid Storeroom, key unlocks lever, lever retracts latch bolt, otherwise always locked ANSI Function (09)
NESC9830	**PASSAGE** Trim always operable and free ANSI Function (14)
NESC9840	**DUMMY** Dummy Escutcheon trim ANSI Function (02)

TO ORDER other lever design insert "**AT**" or "**RL**" before "**ESC**":
e.g. **AT**ESC9800 for ESC9800 with AT design or **RL**ESC9800 for ESC9800 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.

FOR ELECTRIFIED TRIM OPTIONS SEE PAGE 37

⬢ **(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

NESC

ATESC

RLESC

TUBESC

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

CAL-ROYAL PRODUCTS, INC. U.S.A.

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Trim Selection
PULL DESIGN

9800 NL
IC9800NL
ICSC9800NL

2 ⅝"

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

14 ⁹/₁₆"

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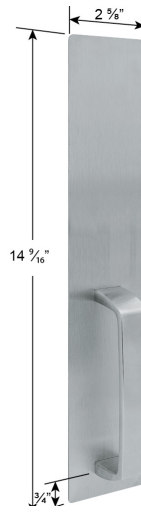Standard 6-Pin solid brass "C"
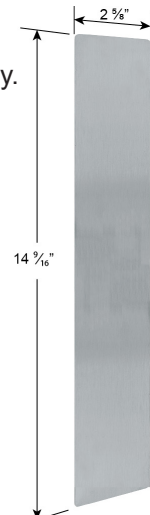keyway Rim Cylinder included.

FINISHES
Architectural plated finishes.

¾"

9800 DTP

2 ⅝"

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

14 ⁹/₁₆"

¾"

9800 EOP

2 ⅝"

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

14 ⁹/₁₆"

THUMBPIECE TRIM
(OPERATES ON RIM & VERTICAL ROD DEVICES)

KEYED   **DUMMY**

2 ⅝"   2 ⅝"

98TP-00 or
IC98TP00
ICSC98TP00

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

98TP-05 or
IC98TP05
ICSC98TP05

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

14 ½"   14 ½"

98TP-30

PASSAGE
Trim always operable and free.
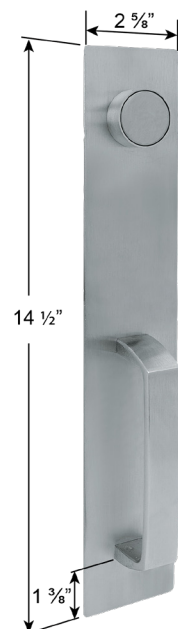ANSI Function (15)

98TP-40

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

1 ⅜"   1 ⅜"

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 ± 10%
(must specify 12 or 24 volts when ordering)

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

Coil Resistance........12V = 49Ω or 24V = 159Ω

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

Lever Trim Designs

NESC   **ATESC**

RLESC   **TUBESC**

HDESC   **HDTSESC**

HDRLESC

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

TO ORDER other design add "**NESC98**", "**ATESC98**", "**RLESC98**", "**TUBESC98**"
e.g. FSE24**ATESC98** for ESC98 in AT design or FSE24**RLESC98** for ESC98 in RL design

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

(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 9800 Series, including rim, vertical rod, concealed vertical rod, mortise exit device, fire and non fire-rated devices
- MM4 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 MM4 module to easily connect to power supply lead
- 3-year "No Hassle" warranty

Specifications:

- Voltage – 24 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
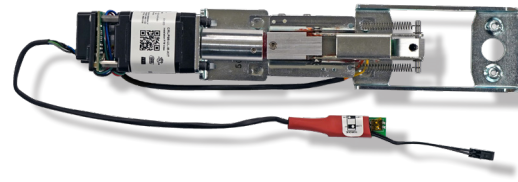
INSTALLED ON THE EXIT DEVICE: USE FLR2298 ADD	**FOR FIELD INSTALLATION USE FLR2298 KIT**

To Order:

- **Must Specify: Exit Device item #** and **FLR2298 ADD** as two separate line items.
  For Example: A9800EO36 US32D with ELR option, order "**A9800EO36 US32D", and "FLR2298 ADD"** as two line items.
- ***Use FLR2298 KIT if ordered separately.***
- **Optional Switch** (RX or LX) is also available and should be added as a **3rd 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:

RX22/98.........................Request to Exit switch for field installation
LX9800..........................Latch bolt Monitoring switch for field installation
LXRX9800......................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
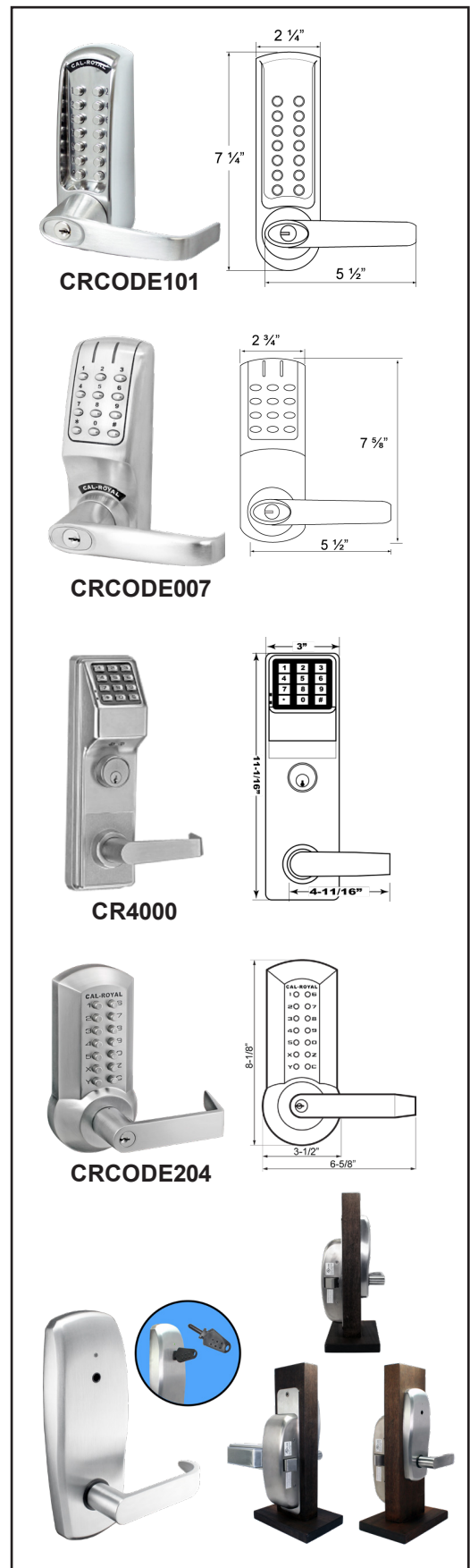
ELECTRONIC CRCODE007

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

CR4000 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

CR4000

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, Commerical and Public Buildings
- Door Thickness: 1 ¾" - 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**