

## 7700, 9800, 2200 SERIES ELECTRIFIED LEVER TRIMS

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
- Internally mounted solenoid to ease installation (no special door prep required)
- Field Reversible
- Low current draw
- 3 Year "No Hassle" 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

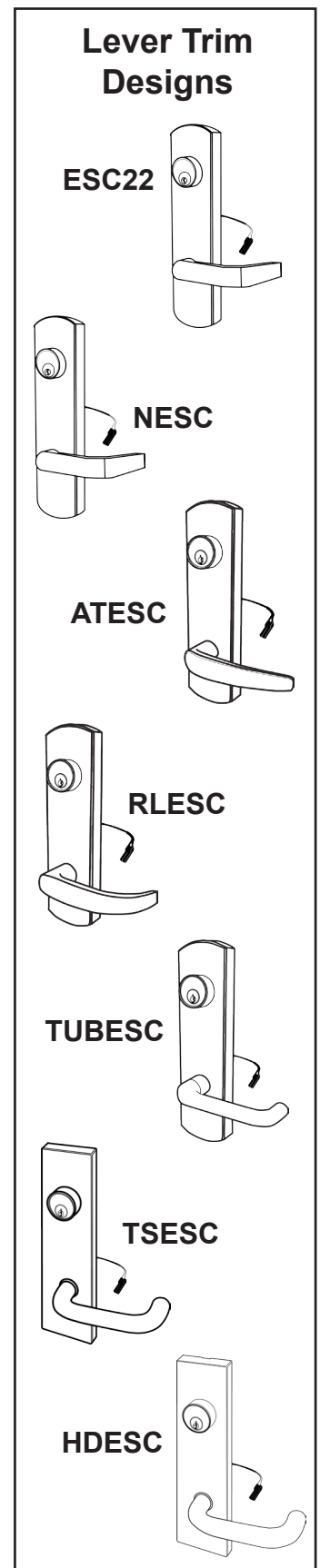
Solenoid.....Continuous Duty 24VDC  
 Operating Voltage....12 or 24V AC / DC + OR – 10% (must specify 12 or 24 volts when ordering)  
 Amperage.....250mA@12V / 150mA@24V  
 Coil Resistance.....12V=49Ω / 24V=159Ω

### To order, Specify:

OPTIONS: FAIL SAFE (FS)  
 FAIL SECURE (FSE)

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

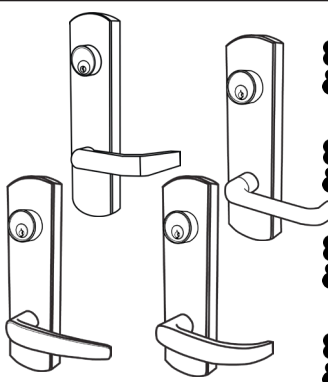
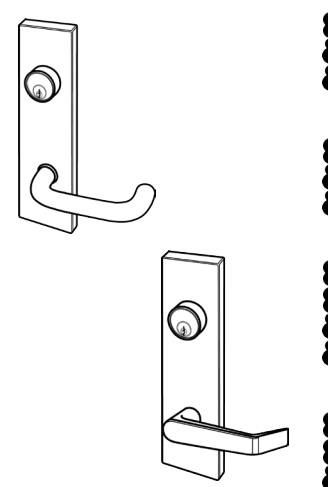
**TO ORDER** other design add "ESC22", "ESC77", "ATESC77", "RLESC77", "TUBESC77", "ESC98", "ATESC98", "RLESC98", "TUBESC98" to ITEM#  
 e.g. FSE24**ATESC77** for ESC77 in AT design or FSE24**RLESC77** for ESC77 in RL design  
**TO ORDER** heavy duty design add HD or TS to Item #  
 e.g. FS12**HD** or FS12**TS**



► **TRIMS & ACCESSORIES FOR 7700 SERIES**

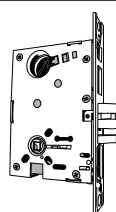
All trims include 6-pin "C" Keyway Cylinder. Other major manufacturers' keyways available.

★ **STANDARD DISCOUNT ONLY ON TRIMS AND ACCESSORIES** ★

ILLUSTRATION	ITEM #	DESCRIPTION	LIST EACH
<b>ELECTRIFIED LEVER TRIMS (Non-handed)</b>			<b>US32D, 3, 10B</b>
	●●● FS12ESC77 ●●● ICFS12ESC77 ●●● ICSCFS12ESC77	FAIL-SAFE (FS) OPTION 12V AC / DC <b>US26D in stock</b>	To order other lever design, insert "AT", "RL" or "TUB" before ESC in the PART#
	●●● FS24ESC77 ●●● ICFS24ESC77 ●●● ICSCFS24ESC77	FAIL-SAFE (FS) OPTION 24V AC / DC <b>US26D in stock</b>	
	●●● FSE12ESC77 ●●● ICFSE12ESC77 ●●● ICSCFSE12ESC77	FAIL-SECURE (FSE) OPTION 12V AC / DC <b>US26D in stock</b>	
	●●● FSE24ESC77 ●●● ICFSE24ESC77 ●●● ICSCFSE24ESC77	FAIL-SECURE (FSE) OPTION 24V AC / DC <b>US26D in stock</b>	
<b>ELECTRIFIED LEVER TRIMS (Non-handed)</b>			<b>US32D</b>
	●●● FS12HD or FS12TS ●●● ICFS12HD or ICFS12TS ●●● ICSCFS12HD or ICSCFS12TS	FAIL-SAFE (FS) OPTION 12V AC / DC	For pricing & availability inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Representatives
	●●● FS24HD or FS24TS ●●● ICFS24HD or ICFS24TS ●●● ICSCFS24HD or ICSCFS24TS	FAIL-SAFE (FS) OPTION 24V AC / DC	
	●●● FSE12HD or FSE12TS ●●● ICFSE12HD or ICFSE12TS ●●● ICSCFSE12HD or ICSCFSE12TS	FAIL-SECURE (FSE) OPTION 12V AC / DC	
	●●● FSE24HD or FSE24TS ●●● ICFSE24HD or ICFSE24TS ●●● ICSCFSE24HD or ICSCFSE24TS	FAIL-SECURE (FSE) OPTION 24V AC / DC	

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

**ELECTRIFICATION FOR THE MORTISE LOCK BODY ABOVE**

	FS12MR	FAIL-SAFE (FS) OPTION 12V AC / DC	For pricing & availability inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Reps
	FS24MR	FAIL-SAFE (FS) OPTION 24V AC / DC	
	FSE12MR	FAIL-SECURE (FSE) OPTION 12V AC / DC	
	FSE24MR	FAIL-SECURE (FSE) OPTION 24V AC / DC	

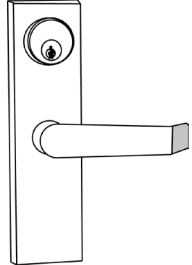
●● (IC) Indicates function available with **Best, Falcon & Arrow Interchangeable Core.**

●● (ICSC) Indicates function available with **Schlage Full Size Format Interchangeable Core.**

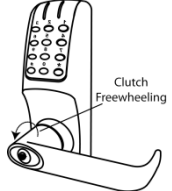
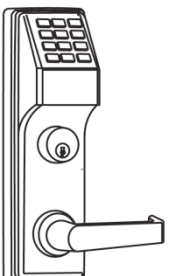
**CONSULT FACTORY OR WEBSITE FOR TEMPLATES ON ALL EXIT DEVICES AND TRIMS**

► **TRIMS & ACCESSORIES FOR 7700 SERIES**

All trims include 6-pin "C" Keyway Cylinder. Other major manufacturers' keyways available.

ILLUSTRATION	ITEM #	DESCRIPTION	US26D, 10B	PCS / MC	UNIT
<b>ELECTRIFIED LEVER TRIM</b>					
	FS12CVR00 ● ICFS12CVR00 ● ICSCFS12CVR00	FAIL-SAFE (FS) OPTION 12V AC / DC	For pricing & availability inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Representatives	12	Ea.
	FS24CVR00 ● ICFS24CVR00 ● ICSCFS24CVR00	FAIL-SAFE (FS) OPTION 24V AC / DC			
	FSE12CVR00 ● ICFSE12CVR00 ● ICSCFSE12CVR00	FAIL-SECURE (FSE) OPTION 12V AC / DC			
	FSE24CVR00 ● ICFSE24CVR00 ● ICSCFSE24CVR00	FAIL-SECURE (FSE) OPTION 24V AC / DC			

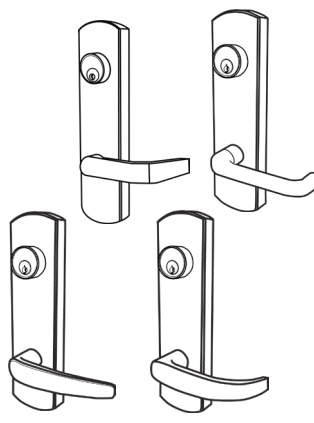
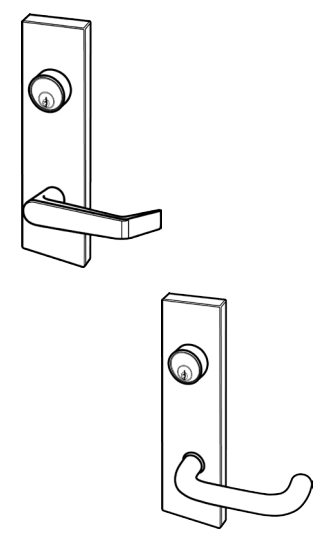
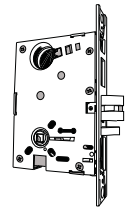
► **ELECTRONIC TRIMS FOR 7700 / 9800 SERIES**

ILLUSTRATION	ITEM #	DESCRIPTION	LIST EACH	
<b>HEAVY DUTY KEYLESS LOCK</b>				
	CRCODE007L	Heavy Duty Clutch Keyless Digital Lock to be used for 9800 / 7700 Series Exit Device. Available with other major manufacturer's keyway see page E5. (Specify handing when ordering).	<b>US26D</b> <b>Must order exit device from stock.</b> <b>Prefix DL before PART# of exit device</b>	
	CRCODE007R			
	CR4000	Trilogy © Exit Device Trims for 7700 and 9800 Series Exit Devices  (**Note - IC includes <b>CYLINDER ADAPTER KIT</b> for Best, Falcon & Arrow Interchangeable Core)  Excludes Rim Cylinder Housing and Core.	US26D	US10B
	CR5000			
	● ICCR4000		For pricing inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Representatives	
	● ICCR5000			

**CONSULT FACTORY OR WEBSITE FOR TEMPLATES ON ALL EXIT DEVICES AND TRIMS**

## ► TRIMS & ACCESSORIES FOR 9800 SERIES

All trims include 6-pin "C" Keyway Cylinder. Other major manufacturers' keyways available.

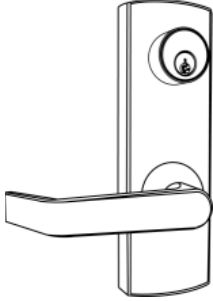
ILLUSTRATION	ITEM #	DESCRIPTION	LIST EACH					
<b>ELECTRIFIED LEVER TRIMS (Non-handed)</b>			<b>US26D, 10B, 32D, 3</b>					
	FS12NE98 ● ICFS12NE98 ● ICSCFS12NE98	FAIL-SAFE (FS) OPTION 12V AC / DC <b>US26D in stock</b>	To order other lever design, insert "AT", "RL" or "TUB" before NESC in the PART#	US10				
	FS24NE98 ● ICFS24NE98 ● ICSCFS24NE98	FAIL-SAFE (FS) OPTION 24V AC / DC <b>US26D in stock</b>		US4				
	FSE12NE98 ● ICFSE12NE98 ● ICSCFSE12NE98	FAIL-SECURE (FSE) OPTION 12V AC / DC <b>US26D in stock</b>		US10				
	FSE24NE98 ● ICFSE24NE98 ● ICSCFSE24NE98	FAIL-SECURE (FSE) OPTION 24V AC / DC <b>US26D in stock</b>		US4				
	<b>ELECTRIFIED LEVER TRIMS (Non-handed)</b>			<b>US32D</b>				
		FS12HD or FS12TS ● ICFS12HD or ● ICFS12TS ● ICSCFS12HD or ● ICSCFS12TS		FAIL-SAFE (FS) OPTION 12V AC / DC	For pricing & availability inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Representatives			
		FS24HD or FS24TS ● ICFS24HD or ● ICFS24TS ● ICSCFS24HD or ● ICSCFS24TS		FAIL-SAFE (FS) OPTION 24V AC / DC				
		FSE12HD or FSE12TS ● ICFSE12HD or ● ICFSE12TS ● ICSCFSE12HD or ● ICSCFSE12TS		FAIL-SECURE (FSE) OPTION 12V AC / DC				
		FSE24HD or FSE24TS ● ICFSE24HD or ● ICFSE24TS ● ICSCFSE24HD or ● ICSCFSE24TS		FAIL-SECURE (FSE) OPTION 24V AC / DC				
		For 2 or 2 1/2" thick door use additional part# <b>TAIL9</b>				<small>For pricing &amp; availability inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Representatives</small>		
		<b>ELECTRIFICATION FOR THE MORTISE LOCK BODY ABOVE</b>						
				FS12MR		FAIL-SAFE (FS) OPTION 12V AC / DC	For pricing & availability inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Representatives	
FS24MR			FAIL-SAFE (FS) OPTION 24V AC / DC					
FSE12MR	FAIL-SECURE (FSE) OPTION 12V AC / DC							
FSE24MR	FAIL-SECURE (FSE) OPTION 24V AC / DC							

● (IC) Indicates function available with **Best, Falcon & Arrow Interchangeable Core.**  
 ● (ICSC) Indicates function available with **Schlage Full Size Format Interchangeable Core.**

**CONSULT FACTORY OR WEBSITE FOR TEMPLATES ON ALL EXIT DEVICES AND TRIMS**

► **TRIMS & ACCESSORIES FOR 2200 SERIES**

All trims are 6-pin "C" keyway. Other major manufacturers' keyways available.

ILLUSTRATION	ITEM #	DESCRIPTION	LIST EACH
<b>ELECTRIFIED LEVER TRIM</b>			<b>ALUM, DURO, GOLD</b>
	●●● FS12ESC22 ●●● ICFS12ESC22 ●●● ICSCFS12ESC22	FAIL-SAFE (FS) OPTION 12V AC / DC	For pricing & availability inquiries contact your Local Distributor or click <a href="#">here</a> for the list of our Sales Representatives
	●●● FS24ESC22 ●●● ICFS24ESC22 ●●● ICSCFS24ESC22	FAIL-SAFE (FS) OPTION 24V AC / DC	
	●●● FSE12ESC22 ●●● ICFSE12ESC22 ●●● ICSCFSE12ESC22	FAIL-SECURE (FSE) OPTION 12V AC / DC	
	●●● FSE24ESC22 ●●● ICFSE24ESC22 ●●● ICSCFSE24ESC22	FAIL-SECURE (FSE) OPTION 24V AC / DC	

For 2 1/4" thick door order part # **TAIL7**

For pricing & availability inquiries contact your Local Distributor or click [here](#) for the list of our Sales Representatives.

- (IC) Indicates function available with **Best, Falcon & Arrow Interchangeable Core.**
- (ICSC) Indicates function available with **Schlage Full Size Format Interchangeable Core.**

**CONSULT FACTORY OR WEBSITE FOR TEMPLATES ON ALL EXIT DEVICES AND TRIMS**