

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 24VAC / 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	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 "ESC22", "ESC77", "ATESC77", "RLESC77", "TUBESC77", "ESC98", "ATESC98", "RLESC98", "TUBESC98" to ITEM#  
 e.g. FSE24ATESC77 for ESC77 in AT design or FSE24RLESC77 for ESC77 in RL design

**TO ORDER** heavy duty design add **HD** or **TS** to Item#  
 e.g. FS12HD or FS12TS

