

Installation Instructions and Template:

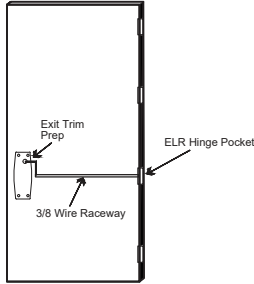
NE SC22

Cal Royal Electric Exit Trim

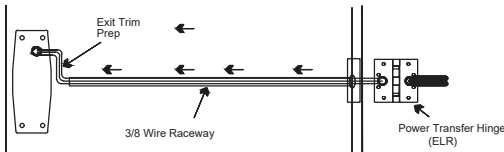


WIRING LAYOUT INSTRUCTION

STEP 1: The door must be machined with a 3/8" wire raceway, Exit Trim & prepped for a energy transfer hinge. Make sure the pocket is free of debris.

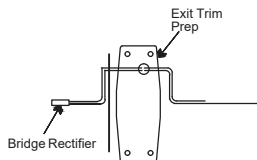


STEP 2: Run the wires from the ELR hinge through the 3/8" raceway starting at the ELR hinge & exiting into the pocket.

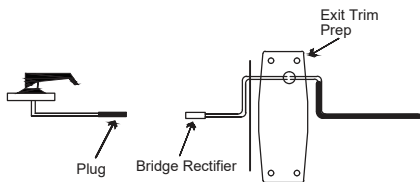


STEP 3: Screw the ELR hinge to the door. At this time DO NOT connect the hinge wires on the jamb side to the wires coming from the power supply.

STEP 4: Connect the wires exiting the pocket to the Bridge Rectifier (included).



STEP 5: Connect the Bridge Rectifier to the plug exiting the Electric Exit Trim.



STEP 6: Carefully slip the connected Electric Exit Trim into the pocket paying close attention not to pinch any wires.

STEP 7: Mount the Electric Exit Trim per manufacturer's instructions.

STEP 8: Connect the wires from the power supply at the ELR hinge on the jamb side. Connect the hinge to the jamb.

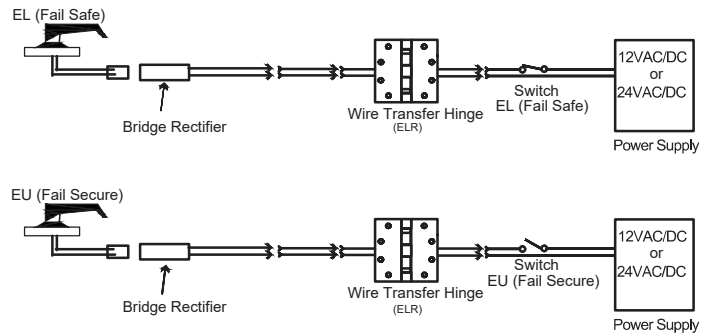
LEGEND OF TERMS

EU: (Fail Secure) When power is applied, the outside trim will unlock. When power is removed, the outside trim is locked.

EL: (Fail Safe) When power is applied, the outside trim will lock. When power is removed, the outside trim is unlocked.

REE: (Request to Enter Switch) Monitors the outside handle.

SCHEMATIC DIAGRAM



ELECTRICAL SPECIFICATIONS

SOLENOIDS:

| VOLTS | CURRENT | COIL RESISTANCE |
|-----------|------------|------------------|
| 11V~30VDC | 330mA(11V) | 8.2 Ohms +/- 10% |
| 10V~24VAC | 140mA(30V) | |

SWITCHES: .25A 175VAC/DC

REE: Green - Common (C)
Blue - Normally Open (NO)
Gray - Normally Closed (NC)

Template for Cal Royal NESC22 EU/EL Exit Trim

