Installation Instructions
CLCR05 Locks

Cal Royal Lock modified by Command Access Technologies

**STEP 1:** The door must be machined with a 3/8” wire raceway, cylindrical lock pocket & prepped for an energy transfer hinge. **Make sure the cylindrical pocket is free of debris.**

**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.

**REX:** (Request to Exit Switch) Monitors the inside handle.

**ELECTRICAL SPECIFICATIONS**

**SOLENOIDS:**

<table>
<thead>
<tr>
<th>VOLTS</th>
<th>CURRENT</th>
<th>COIL RESISTANCE</th>
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<tbody>
<tr>
<td>24VAC/DC</td>
<td>150mA</td>
<td>159 Ohms +/- 10%</td>
</tr>
<tr>
<td>12VAC/DC</td>
<td>250mA</td>
<td>49 Ohms +/- 10%</td>
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**SWITCHES:**

- **REX:**
  - White - Common (C)
  - Blue - Normally Open (NO)
  - Black - Normally Closed (NC)

**STEP 2:** Run the wires from the ETH hinge through the 3/8” raceway starting at the ETH hinge & exiting into the lock pocket.

**STEP 3:** Screw the ETH 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 lock pocket to the Bridge Rectifier (included).

**STEP 5:** Connect the Bridge Rectifier to the plug exiting the cylindrical chassis.

**STEP 6:** Carefully slip the connected cylindrical lock chassis into the lock pocket paying close attention not to pinch any wires.

**STEP 7:** Mount the cylindrical lock per manufacturer’s instructions.

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

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Template for CLCR05 Cylindrical Locks

- 2-3/4" through hole for interior side only
- 2-1/8" diameter through hole for interior side only
- 5/16" diameter through hole
- 5/16" diameter through hole

Edge of door

CL

2-3/4"