1. Frequent inspections should be made. A schedule for maintenance should be determined by the environment and frequency of use. It is recommended that it be at least once a year.

2. Perform visual, electrical, and mechanical checks on all components on a regular basis.
   - Visually check for undue heating evidenced by discoloration of wires or other components, damaged or worn parts, or leakage evidenced by water or corrosion in the interior.

**ELECTRICAL RATINGS**

<table>
<thead>
<tr>
<th>Component</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selector Switch</td>
<td>Heavy Duty</td>
</tr>
<tr>
<td></td>
<td>600 VAC Maximum</td>
</tr>
<tr>
<td></td>
<td>NEMA A600</td>
</tr>
<tr>
<td>Pushbutton Station</td>
<td>Heavy Duty</td>
</tr>
<tr>
<td></td>
<td>600 VAC Maximum</td>
</tr>
<tr>
<td></td>
<td>NEMA A600</td>
</tr>
</tbody>
</table>

**MAINTENANCE**

**WARNING**
Always disconnect primary power source before opening enclosure for inspection or service.

**DISASSEMBLY**

**CAUTION**
Be sure all power is turned off before and during installation and maintenance.

1. Disengage locks on top and bottom and unscrew top and bottom enclosure covers.
2. Remove interior assembly for access to operating shaft holes only if necessary. Follow instructions supplied with enclosure for proper disassembly procedure.
3. Remove plug from drilled and tapped operating shaft hole.

**NEW INSTALLATION**

**PUSHBUTTON STATION KIT**
(EPC-P83-KIT)

1. Apply STL lubricant to outer threads of operating shaft bushing.
2. Position mounting bracket over threaded operating shaft hole in EPC enclosure as shown in Figure 2. Thread operating shaft bushing through hole in mounting bracket into enclosure and tighten securely.

3. Apply STL lubricant to threads of operating shaft.
4. Thread operating shaft into operating shaft bushing until only one thread and the square end of the shaft extend outside the enclosure. The milled flat surface on the inside end of the operating shaft must face the front of the enclosure.
5. Place operating handle onto operating shaft with handle markings facing the front of the enclosure. Allow a clearance of 1/16 to 3/32 inch between enclosure and operating handle. Securely tighten set screw on handle.
6. Place two operating arms on inside end of operating shaft and secure in place with set screws.
7. Secure operating mechanism to mounting bracket with two socket head cap screws and lockwashers.
8. Position contact block on operating mechanism. Standard "start-stop" units are assembled with normally open (N.O.) contacts positioned towards the bottom of the enclosure (internal cover threads). Secure contact block with two captive screws.

**CAUTION**
Contact block must be wired so that the normally open (N.O.) and normally closed (N.C.) switch contacts operate in accord with operating handle markings.

9. Check pushbutton station for proper operation. Pushing "start" should cause the normally open (N.O.) contacts to close. Pushing "stop" should cause the normally closed (N.C.) contacts to open while the normally open (N.O.) contacts should remain open.
10. Make electrical connections to the screw terminals on the contact block utilizing the wiring scheme established for your system.
11. Replace interior assembly if previously removed. Reconnect feeder and branch circuit conductors.
12. Replace top and bottom covers.
NEW INSTALLATION

SELECTOR SWITCH KIT
(EPC-RR2, RR3 Kit)

8. Check selector switch for proper operation.

9. Replace interior assembly if previously removed. Reconnect branch and feeder conductors.

10. Replace top and bottom covers.

4. Remove selector switch assembly. See Figure 5.

- Loosen operating handle set screw, then remove operating handle, outer locknut, indicating plate, and roll pin.

- Loosen captive screws in selector switch, then remove switch from mounting bracket.

- Thread operating shaft into operating shaft bushing until tight by using wrench on milled handle end of shaft.

- Unthread operating shaft bushing from enclosure using operating yoke and remove assembly from inside of enclosure.

- Install EPC-RR selector switch following New Installation section of these instructions.

NOTE: Bushing may be staked in place and removal will be difficult.

- Remove two (2) screws with lock washers that secure switch assembly to "L" shaped bracket.

- Remove operating shaft bushing through hole in "L" bracket, and from EPC enclosure housing.

- Install EPC-RR selector switch following New installation section of these instructions.

---

Figure 4. Sectional View, From Bottom

TABLE 1

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Panel Position (Front)</th>
<th>Contact Arrangement Position 1</th>
<th>Contact Arrangement Position 2</th>
<th>Contact Arrangement Position 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPC-RR2</td>
<td>Two Position</td>
<td>A1</td>
<td>B1</td>
<td>C1</td>
</tr>
<tr>
<td></td>
<td>Two Circuit</td>
<td>A2</td>
<td>B2</td>
<td>C2</td>
</tr>
<tr>
<td>EPC-RR3</td>
<td>Three Position</td>
<td>A1, A2</td>
<td>B1, B2</td>
<td>C1, C2</td>
</tr>
<tr>
<td></td>
<td>Two Circuit</td>
<td>A2</td>
<td>B2</td>
<td>C2</td>
</tr>
</tbody>
</table>

---

Figure 5.

---

SELECTOR SWITCH FIELD REPLACEMENT

WARNING
Be sure all power is turned OFF before and during installation and maintenance.

1. Disconnect locks on top and bottom and unscrew top and bottom enclosure covers.

2. Remove interior assembly for access to selector switch only if necessary. Follow instructions supplied with enclosure for proper disassembly procedure.

3. Disconnect wiring from selector switch to be replaced. Identify each wire for proper reassembly to replacement switch.

---

Figure 3. Selector Switch Kit

---

Figure 2. Selector Switch

---

Figure 1. Selector Switch Assembly
8. Check selector switch for proper operation.

9. Replace interior assembly if previously removed. Reconnect branch and feeder conductors.

10. Replace top and bottom covers.

4. Remove selector switch assembly. See Figure 5.
   - Loosen operating handle set screw, then remove operating handle, outer locknut, indicating plate, and roll pin.
   - Loosen captive screws in selector switch, then remove switch from mounting bracket.
   - Thread operating shaft into operating shaft bushing until tight by using wrench on milled handle end of shaft.
   - Unthread operating shaft bushing from enclosure using operating yoke and remove assembly from inside of enclosure.
   - Install EPC-RR selector switch following New Installation section of these instructions.

NOTE: Bushing may be staked in place and removal will be difficult.

- Remove two (2) screws with lock washers that secure switch assembly to "L" shaped bracket.
- Remove operating shaft bushing through hole in "L" bracket, and from EPC enclosure housing.
- Install EPC-RR selector switch following New installation section of these instructions.

---

**TABLE 1**

<table>
<thead>
<tr>
<th>Cat. No. Unit</th>
<th>Panel Position (Front)</th>
<th>Position 1</th>
<th>Position 2</th>
<th>Position 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPC-RR2</td>
<td>Two Position</td>
<td>1</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>Two Circuit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPC-RR3</td>
<td>Three Position</td>
<td>1</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td></td>
<td>Two Circuit</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**SELECTOR SWITCH FIELD REPLACEMENT**

**WARNING**

Be sure all power is turned OFF before and during installation and maintenance.

---

1. Disconnect locks on top and bottom and unscrew top and bottom enclosure covers.

2. Remove interior assembly for access to selector switch only if necessary. Follow instructions supplied with enclosure for proper disassembly procedure.

3. Disconnect wiring from selector switch to be replaced. Identify each wire for proper reassembly to replacement switch.
MAINTENANCE

WARNING
Always disconnect primary power source before opening enclosure for inspection or service.

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   - Visually check for undue heating evidenced by discoloration of wires or other components, damaged or worn parts, or leakage evidenced by water or corrosion in the interior.

Electrical Ratings

Selector Switch:
- Heavy Duty
  - 600 VAC Maximum
  - NEMA A600

Pushbutton Station:
- Heavy Duty
  - 600 VAC Maximum
  - NEMA A600

EPC Pushbutton Station
And Selector Switch Replacement Kits

Installation & Maintenance Information

DISASSEMBLY

CAUTION
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2. Remove interior assembly for access to operating shaft holes only if necessary. Follow instructions supplied with enclosure for proper disassembly procedure.

3. Remove plug from drilled and tapped operating shaft hole.

NEW INSTALLATION

PUSHBUTTON STATION KIT
(EPC-P83-KIT)

CAUTION
Contact block must be wired so that the normally open (N.O.) and normally closed (N.C.) switch contacts operate in accord with operating handle markings.

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7. Secure operating mechanism to mounting bracket with the two socket head cap screws and lockwashers.

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10. Make electrical connections to the screw terminals on the contact block utilizing the wiring scheme established for your system.

11. Replace interior assembly if previously removed. Reconnect feeder and branch circuit conductors.

12. Replace top and bottom covers.

Figure 2. Sectional View, From Top

Figure 1. Pushbutton Station Kit