Series SLD Single Channel Leak Detection Relay is used to monitor the shaft seal of a submersible pump to detect a leak before pump failure. A leak is detected by sensing the status of a float or conductivity switch installed in the seal cavity. When this resistance drops below the set sensitivity, the output relay energizes and the LED indicator illuminates. The SLD offers normally open and normally closed relay contacts to energize an alarm and de-energize the pump in the event of a leak. When the seal failure condition clears, the relay automatically resets.

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLD-ACX</td>
<td>470 Ω fixed</td>
</tr>
<tr>
<td>SLD-ACY</td>
<td>470 to 10 K Ω adjustable</td>
</tr>
<tr>
<td>SLD-ACZ</td>
<td>4.7 K to 100 K Ω adjustable</td>
</tr>
</tbody>
</table>

Series DLD Dual Channel Leak Detection Relay is used to monitor the shaft seals of two submersible pumps to detect a leak before pump failure. A leak is detected by sensing the status of a float or conductivity switch installed in the seal cavity. When this resistance drops below the set sensitivity, the output relay energizes and the corresponding LED indicator illuminates. The DLD offers normally open relay contacts to energize an alarm or de-energize the pump in the event of a leak. When the seal failure condition clears, the relay automatically resets.

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLD-ACY</td>
<td>10 K to 25 K Ω adjustable</td>
</tr>
<tr>
<td>DLD-ACZ</td>
<td>4.7 K to 100 K Ω adjustable</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

**Power Requirement:** 120 VAC, 50/60 Hz.

**Power Consumption:** 2 VA (approximate).

**Isolation Voltage:** 2500 V.

**Temperature Limits:**
- Operating: -4 to 131°F (-20 to 55°C);
- Storage: -40 to 185°F (-40 to 85°C).

**Switch Type:** DPDT.

**Switch Voltage:** 9 VDC.

**Electrical Rating:**
- 10 A @ 250 VAC resistive, 360 VA inductive.
- 5 A @ 120 VAC resistive, 345 VA inductive.

**Response Time:**
- Energize: 15 ms (approximate);
- Release: 8 ms (approximate).

**Indicators:**
- Red LED illuminates when leak is detected.

**Enclosure:** Polycarbonate dust cover.

**Mounting:** 11-pin socket.

**Weight:** 8 oz (227 g).

**Agency Approvals:** cUR, UR.

**Agency Approvals:**
- UL, cUL.