<table>
<thead>
<tr>
<th>CONNECTION</th>
<th>SIGNAL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1 +</td>
<td>PWR</td>
<td>This pin should be connected to the positive output of the driver power supply. The maximum voltage applied should not exceed +50 VDC.</td>
</tr>
<tr>
<td>J1 -</td>
<td>GND</td>
<td>This pin should be connected to the negative output of the driver power supply.</td>
</tr>
<tr>
<td>J4 +</td>
<td>EXC-1</td>
<td>This pin may be used to monitor the excitation signal for solenoid-1.</td>
</tr>
<tr>
<td>J4 -</td>
<td>GND</td>
<td>Return.</td>
</tr>
<tr>
<td>J2 +</td>
<td>PWR</td>
<td>This pin should be connected to one terminal of solenoid-1.</td>
</tr>
<tr>
<td>J2 -</td>
<td>SOL1</td>
<td>This pin should be connected to the other terminal of solenoid-1.</td>
</tr>
<tr>
<td>J7 +</td>
<td>+ 5 VDC</td>
<td>+5 VDC Output. Maximum usable current should be limited to 250 mAmps.</td>
</tr>
<tr>
<td>J7 -</td>
<td>GND</td>
<td>Return for +5 VDC.</td>
</tr>
</tbody>
</table>

Load on-off Cycler Module Pin Assignment and Description
Warning:

Handling the Load On-Off Power Cycling module shall be performed in a static safe environment while a ground strap is used. Damages arising due to not observing the static precautions shall void the limited ninety-day warranty.

DC Power Source  
+50 VDC Max  
+9 VDC Min  

User +5 VDC Output, Max. 250 mAmp  
Return  

Positive  
Negative  

Solenoid #1  

LOC - 01 Wiring Diagram
Frequency, Duty Cycle and Applied Voltage Adjustments

The R5 potentiometer adjusts the applied voltage. Turning the R5 potentiometer CW will increase the applied voltage across the device.

The R6 potentiometer adjusts the frequency of actuation. Turning the R6 potentiometer CW will increase the frequency.

The P potentiometer adjusts the duty cycle. Turning the P potentiometer CW will increase the duty cycle.

The onboard LED turns on when the solenoid is energized. This LED can be used to visually adjust the R6 potentiometer.

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**Voltage Across Device-1**

- **Adjustable Using “P” Potentiometer**
- **Adjustable Using “R5” Potentiometer**
- **Adjustable Using “R6” Potentiometer**

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Limited Ninety-Day Warranty

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