### Pulse Width Modulator PWM-03-VF and PWM-04-VF Pin Assignment and Description

<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 source. The maximum applied voltage 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 source.</td>
</tr>
<tr>
<td>J4 +</td>
<td>CMD1</td>
<td>The command for solenoid-1 should be connected to this pin. The range of the input is 4 to 20 mAmp.</td>
</tr>
<tr>
<td>J4 -</td>
<td>GND</td>
<td>This pin may be used as the return for CMD1.</td>
</tr>
<tr>
<td>J6 +</td>
<td>CMD2</td>
<td>The command for solenoid-2 should be connected to this pin. The range of the input is 4 to 20 mAmp.</td>
</tr>
<tr>
<td>J6 -</td>
<td>GND</td>
<td>This pin may be used as the return for CMD2.</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>J3 +</td>
<td>PWR</td>
<td>This pin should be connected to one terminal of solenoid-2.</td>
</tr>
<tr>
<td>J3 -</td>
<td>SOL2</td>
<td>This pin should be connected to the other terminal of solenoid-2.</td>
</tr>
</tbody>
</table>
**Warning:**

Handling the PWM 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.

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**PWM-04-VF Wiring Diagram**

- **DC Power Source**
  - +50 VDC Max
  - +9 VDC Min

- **Positive**
- **Negative**

- **Command-1**
- **System Ground**
- **Command-2**
- **System Ground**

- **Solenoid-1**
- **Solenoid-2**

R5 potentiometer adjusts the frequency of the PWM-1 between 10 through 250 Hz.
R6 potentiometer adjusts the frequency of the PWM-2 between 10 through 250 Hz.

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Warning:

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R5 potentiometer adjusts the frequency of the PWM-1 between 10 through 250 Hz.
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