

CONNECTION	SIGNAL	DESCRIPTION
J1 +	PWR	This pin should be connected to the positive output of the driver power source. The maximum applied voltage should not exceed +50 VDC.
J1 -	GND	This pin should be connected to the negative output of the driver power source.
J4 +	CMD1	The command for Solenoid-1 and Solenoid-2 should be connected to this pin.
J4 -	GND	This pin may be used as the return for CMD1.
J6 +		
J6 -		
J2 +	PWR	This pin should be connected to one terminal of Solenoid-1.
J2 -	SOL1	This pin should be connected to the other terminal of Solenoid-1.
J3 +	PWR	This pin should be connected to one terminal of Solenoid-2.
J3 -	SOL2	This pin should be connected to the other terminal of Solenoid-2.
J7 +	+ 5 VDC	+5 VDC Output. Maximum usable current should be limited to 250 mAmps.
J7 -	GND	Return for +5 VDC.

### Proportional Solenoid Driver PWM-12 Pin Assignment and Description

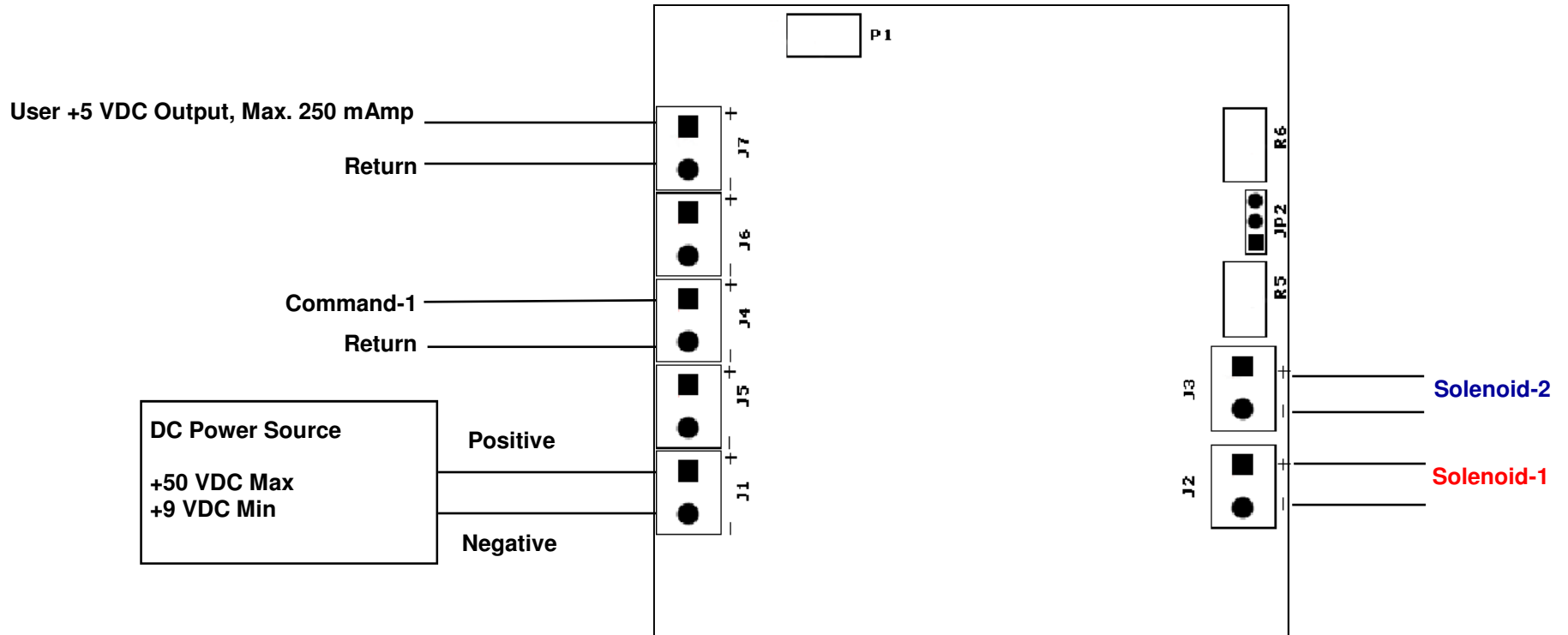


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**Warning:**

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 pre-cautions shall void the limited ninety-day warranty.



**PWM- 12 Wiring Diagram**



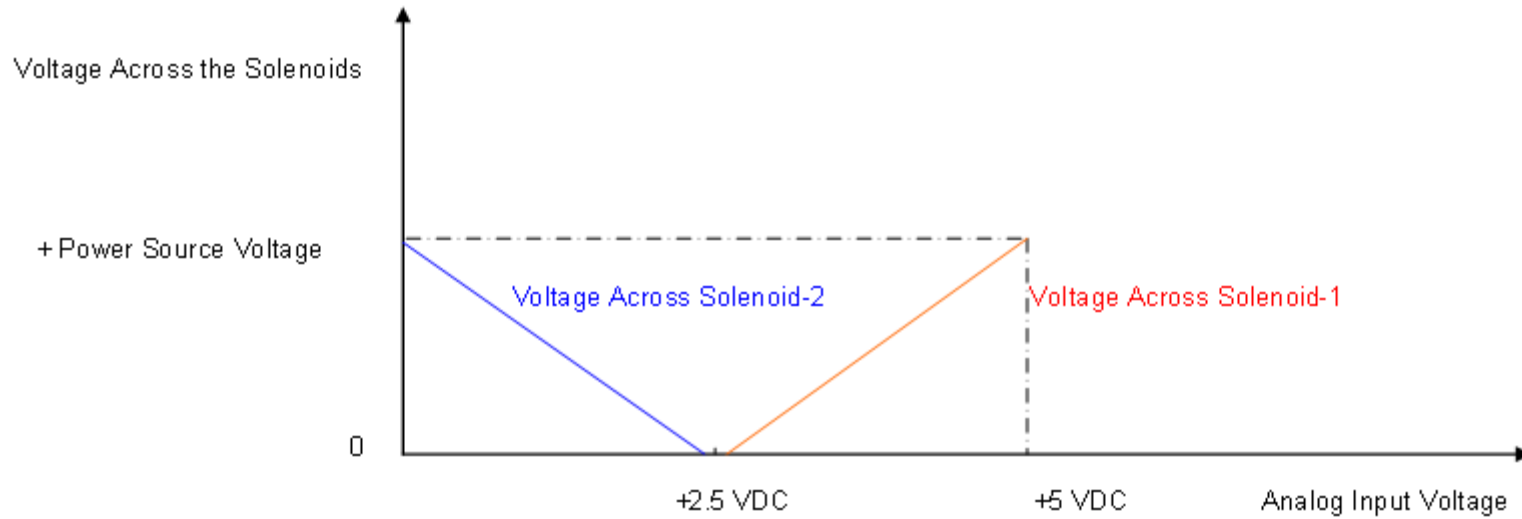
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R5 potentiometer adjusts the maximum voltage applied to solenoid-1. Turning R5 CCW increases the maximum voltage.

R6 potentiometer adjusts the maximum voltage applied to solenoid-1. Turning R6 CCW increases the maximum voltage.

### Input—Output Characteristics



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Optimal Engineering Systems, Inc. warrants to the original purchaser that this product to be free from defects in material or workmanship for a period of ninety days from date of purchase. Optimal Engineering Systems, Inc. agrees to repair any such defect or exchange the product with a new or equal replacement. Defective product must be returned to Optimal Engineering Systems, Inc. postpaid. This warranty is void for any product that has been modified by the customer in any way. If failure of the Product has resulted from accident, abuse, or miss-application, Optimal Engineering Systems, Inc. shall have no responsibility under this Ninety-day Warranty.



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