

CONNECTION	SIGNAL	DESCRIPTION
J1 +	PWR	This pin should be connected to the positive output of the driver power supply. The maximum voltage applied should not exceed +50 VDC.
J1 -	GND	This pin should be connected to the negative output of the driver power supply.
J4 +	EXC-1	This pin may be used to monitor the excitation signal for solenoid-1.
J4 -	GND	Return.
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.
J7 +	+ 5 VDC	+5 VDC Output. Maximum usable current should be limited to 250 mAmps.
J7 -	GND	Return for +5 VDC.

### Load on-off Cyclor Module Pin Assignment and Description

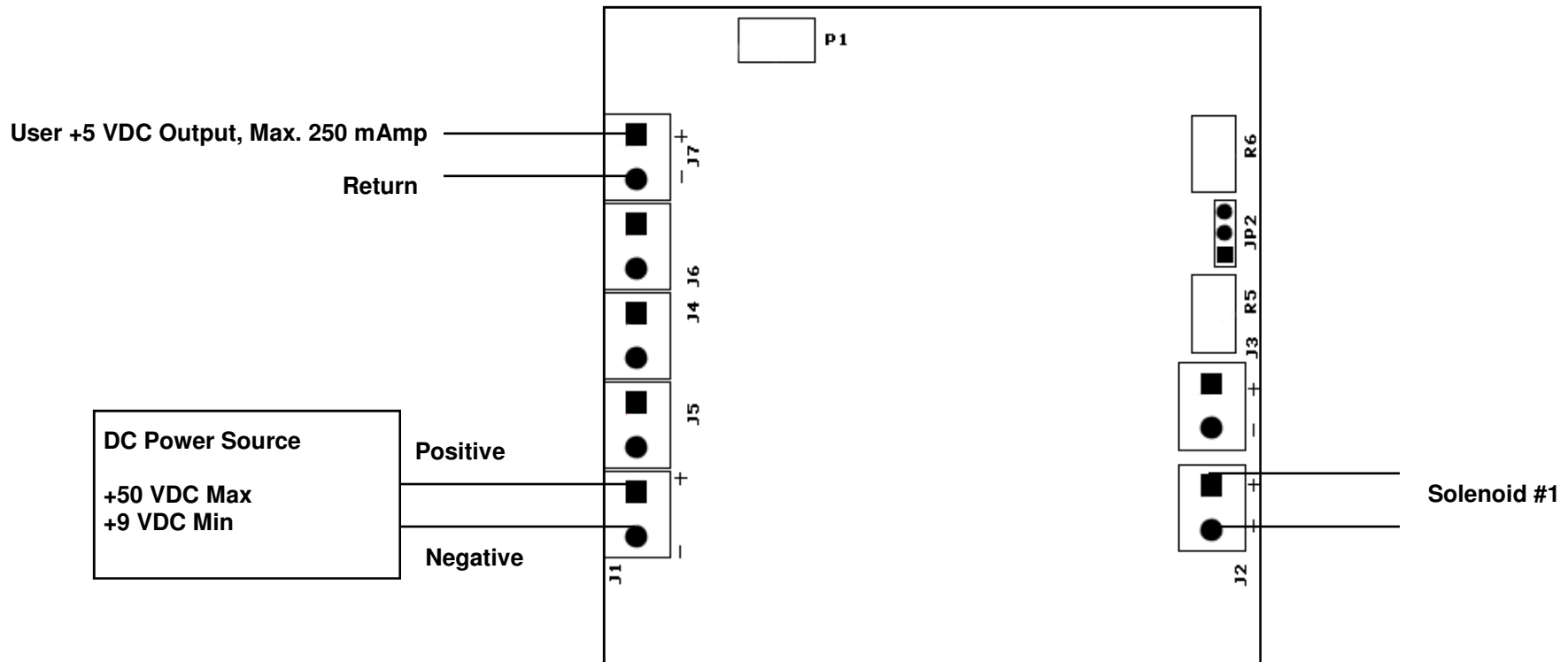


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**Warning:**

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.



**LOC - 01 Wiring Diagram**



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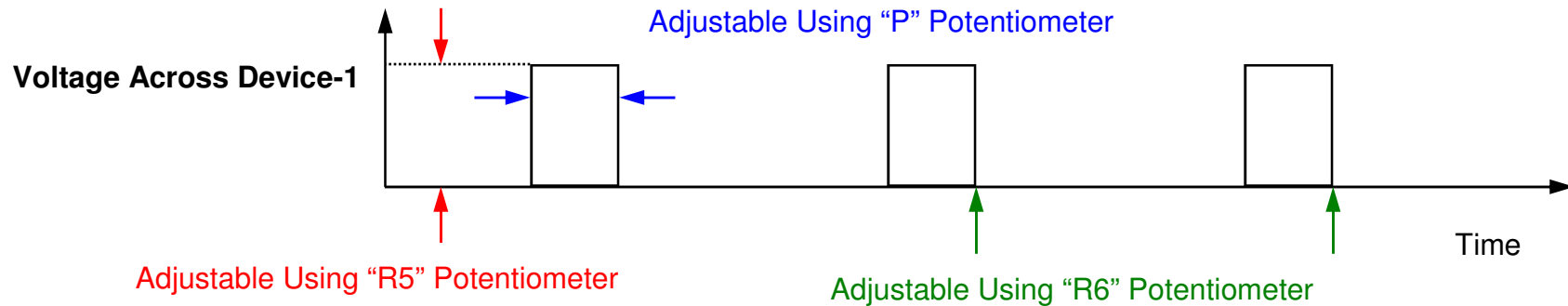
## Frequency, Duty Cycle and Applied Voltage Adjustments

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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## **Limited Ninety-Day Warranty**

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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