



HeNe Laser Power Supply Instructions D\C Input (Edmund Optics P/N 11-382 and 11-384)

Since 1969, Power Technology, Inc. has manufactured HeNe Laser Power Supplies for the scientific and industrial markets. The information provided below will help you install and operate these products. If you have any questions, please call your Edmund Optics Sales Engineers at 1-800-363-1992 (USA).

Operating specification:

Edmund Optics P/N	Output Voltage (V)	Output Current (mA)	Input Voltage	Input Current (A)	Supported Tubes
11-382	1250	4	12VDC	1.5	#62-714, #62-715, #62-716, #62-717
11-384	1700	4.9	12VDC	1.5	#62-718, #62-719, #64-103, #64-104

Mounting

Depending on the power supply, two or three 0.157" (4mm) diameter holes are provided for mounting purposes. Please mount the power supply to a flat surface using a number 6 (US) or M2 (metric) screw. Please use a flat washer under the head of the screw. This will spread the pressure and prevent cracking of the case. **Caution:** Do not over-tighten these screws. Cracked cases are not covered under warranty.

Mount the power supply to a surface that will conduct heat away from the power supply. Do not mount the power supply to a plastic or other insulating surface. Ensure that the operating environment does not exceed 60°C.

Wire Connections -

DC Power (Red and Black) – The power supply will operate from 12VDC (± 2 VDC). Red is positive and Black is negative.

High Voltage (Thick Red and Black Wire) - These power supplies are provided with an Alden Style connector (#8102-F). This connector is intended for application up to 10,000 Feet. Please insure complete insertion into the laser tube's mating female connector to prevent heating, arcing and coronal discharge.

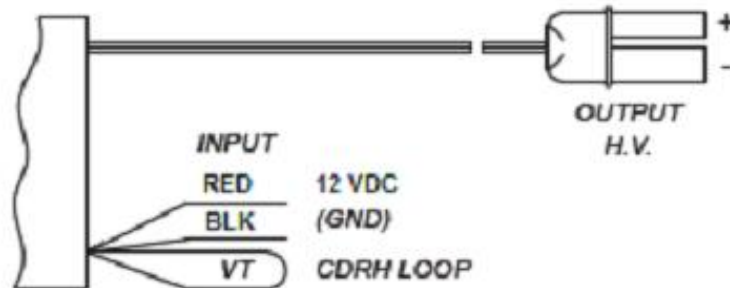
CDRH Delay (Violet Wire Loop) – These power supplies have a 1.5" violet wire loop. These power supplies will have a 3-5 second delay before the output is enabled. This delay can be disabled by cutting the violet loop. Although no harmful voltage is present when the wires are cut, they should be properly insulated to prevent accidents.

Safety Fusing – If external fusing is desired, an external fine-wire 3A "Slow Blow" fuse type is recommended.

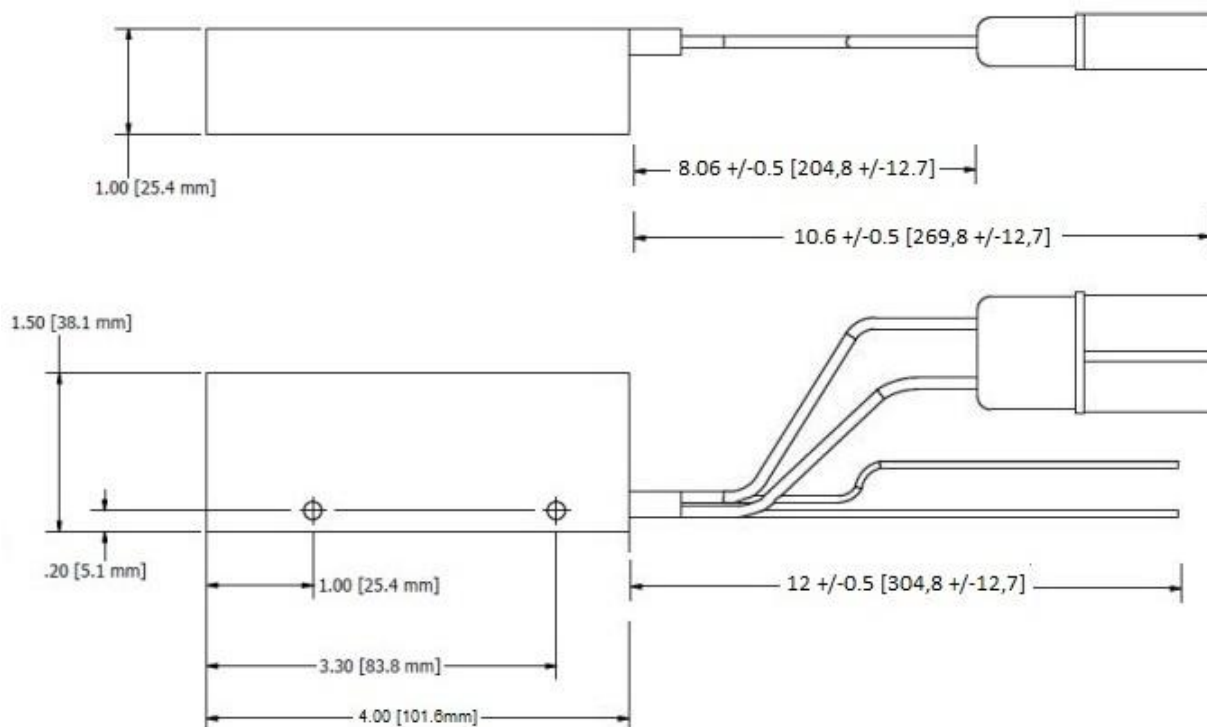
Tel: 501.407.0712
Fax: 501.407.0036

P. O. Box 191117
Little Rock, AR 72219-1117
sales@powertechnology.com
www.powertechnology.com

11-382 and 11-384 Hook Up Drawing:



11-382 and 11-384 Dimensional Drawing:



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