

Power Supply


Model No. D2-005

Document Revision: 1

Document Last Updated on 2021/08/26 14:26

Please read [Limited Warranty](#) and [General Warnings and Cautions](#) prior to operating the D2-105.



 D2-005 Power Supply

Description

The Power Supply is a quiet, linear power supply providing +/-15V and 5V. It is in a separate box to isolate 60 Hz and EM interference. One power supply can power two complete laser systems, or four electronics modules.

Absolute Maximum Ratings

Note: All modules designed to be operated in laboratory environment

Parameter	Rating
Environmental Temperature	>15°C and <30°C
Environmental Humidity	<60%
Environmental Dew Points	<15°C

Specifications

		Units
Current Limit		
<html> </html>+15V	1.5	A
<html> </html>-15V	1.5	A
<html> </html>+5V	6	A
Output Regulation	0.05	%

Inputs, Outputs, and Controls

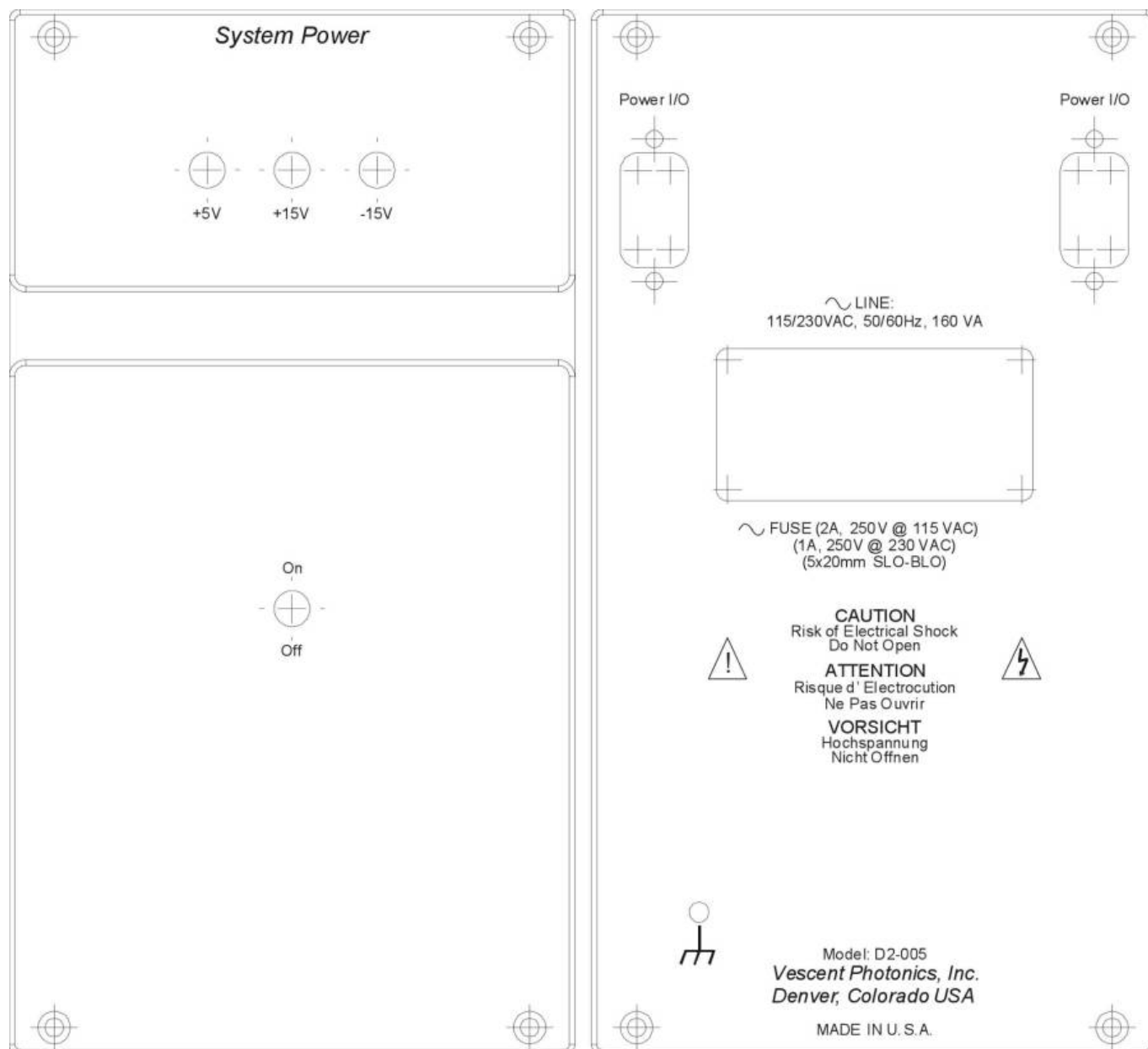


Fig. 1: Schematic drawing of the front and back panels of the D2-005

Monitor Section

The monitor section contains three blue status LEDs indicating proper voltage on the +15,-15, and 5V power lines. In there is a voltage sag on any of the power lines, the blue status LED will turn off.

Back panel I/O

Power I/O (9-pin D-sub)

The power to each electronics module is through a 9-pin D-sub connector through a power bridge unit. The unit can also be powered through any serial cable with 9-pin D-sub connectors, which is convenient when the unit must be taken out of line for access to the side panels. The pin outs are shown in the following figure:

From:

<https://www.vescent.com/manuals/> - **Product Manuals**

Permanent link:

https://www.vescent.com/manuals/doku.php?id=d2:power_supply&rev=1376669311

Last update: **2021/08/26 14:26**

