



## Power Supply for OEM Devices 24 VDC Output, Up to 90 Watts

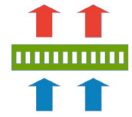


### 24 VDC Power Supply / LDC-PS120

- o Plug and Play Power Supply for OEM Laser Diode Controllers
- o Intuitive and Simple Configuration
- o In-Line On/Off Switch
- o Modulation and Interlock Connectors
- o Built-In Protection Circuits



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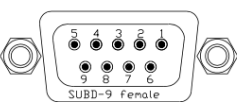
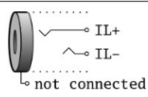



## LDC-PS120 Power Supply for OEM-Style Controllers

The LDC-PS120 power supply is a preconfigured, easy-to-use solution for the OEM-style laser diode drivers and temperature controllers. It includes features to make deployment quick and intuitive: an on-off switch located in the 9-pin d-Sub connector housing; a modulation input cable; and the safety interlock connector. The power supply includes built-in safety features to protect the power supply and to help prevent harmful operating conditions for the laser diode or temperature controller.

The LDC-PS120 interfaces directly with the OEM-style laser diode drivers, controllers, and temperature controller modules.



| Power and Support Connector  |        |   |
|--|--------|---|
|  <p>SUBD-9 Female</p> |        | Sub-D 9, female Type<br>On / Off switch at connector housing  |
| PIN.No   | Abbr.  | Function  |
| 4;5  | SUP+   | Power Supply typ. +24V DC   |
| 8;9  | SUP0   | Power Supply typ. 0V DC   |
| 3  | ILOCK+ | ca. 5mA over 2V   |
| 2  | ILOCK- | Laser runs only on closed Interlock   |
| 6  | MOD+   | Digital and Analog Modulation Input; positiv Pin  |
| 1  | MOD-   | Digital and Analog Modulation Input; negativ Pin  |
| 3  |        | n.c.  |
| Interlock Connector  |        |   |
|  <p>not connected</p> |        | Jack Connector Stereo 3.5mm / Interlock - Laser can only run if Interlock is closed (ca. 5mA over 2V → $R_{interlock} \leq 400\Omega$ )<br>connect ILOCK- and ILOCK+ pin<br>Warning: do not connect (SCR) common screen pin |
| AMOD/DMOD Connector - External Analog And Digital Modulation Input                                       |        |   |
|                       |        | BNC Type, Input-Impdanz 10kOhm<br>Digital & Analog Modulation with TTL-Pegel  |

### GENERAL FEATURES AND SPECIFICATIONS

- Includes On / Off Switch on Connector for Main Power ON/OFF and Status LED
- Includes Wire and Connector for Connecting an External Safety Interlock Circuit
- Includes Wire and BNC Connector for Modulation Signal Input to Laser Diode Driver
- Standard 3-Pole AC Inlet IEC320-C14 Class I (with earth pin)
- Protection Features: Short Circuit / Overload
- Protection Features: Over Voltage / Over Temperature
- Single 9-Pin D-Sub Connects LDC-PS120 into Laser Diode Driver or TEC Controller Module
- Voltage Input: 90 - 230 VAC
- Voltage Output: 24 VDC
- Max. Power Output: 90 Watt
- No-Load Power Consumption: < 0.5 W
- Dimension: 145 mm x 60 mm x 32 mm



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## Product Sales and Service

Orders for this product are fulfilled by LaserDiodeControl.com, part of the Laser Lab Source group. It is manufactured for Laser Lab Source by OsTech, GmbH.

## Product Warranty

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



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