



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



24 VDC Power Supply part number: nt-82

- 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



LASER
DIODE
CONTROLLERS

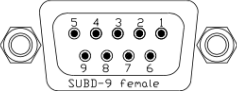
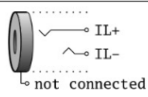



RLS / nt-82 Power Supply for OEM-Style Controllers

The RLS / nt-82 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 RLS / nt-82 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 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 → $R_{interlock} \leq 400\Omega$) connect ILOCK- and ILOCK+ pin Warning: do not connect (SCR) common screen pin
AMOD/DMOD Connector - External Analog And Digital Modulation Input		
		BNC Type, Input-Impedanz 10kOhm 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



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.



Laser Lab Source
670 S. Ferguson St., Suite 3
Bozeman, MT 59718 USA
800-887-5065
LaserLabSource.com

Ostech, GmbH
Plauener Str. 163-165 • Haus i • 13053
Berlin