

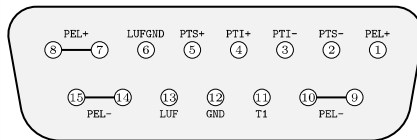
Tabletop Peltier Controller

Type: ps11-pa15v24-t9512-v2-pt100-65-264



- TEC output max.: 15A, 24V
- Vin: 100~240VAC, 50/60Hz
- 1. temp. sensor standard (NTC, PTC, RTD, PT100, PT1000 and others)
- 2. temp. sensor PT100 4-wire option and standard
- adjustable external fan support
- External Support can be configured freely between 1..24V
- Temperature Control Range: -25°C to 150°C
- Accuracy typ. ±0.01K
- Fast feedback loop P.I.D. temperature controller
- Temperature limits
- Current limits
- Standard Temp. Sensor inputs for NTCs (standard 10 kΩ), PT100, PT1000 or others

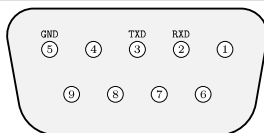
Peltier Connector



SubD15-female

PIN.No	Abbr.	Function
1;7;8	PEL+	Peltier element (+)
2	PTS-	PT100 Supply (-)
3	PTI-	PT100 Input (-)
4	PTI+	PT100 Input (+)
5	PTS+	PT100 Supply (+)
6	LUFGND	Ground for Fan Supply
9;10;14;15	PEL-	Peltier element (-)
11	T1	1. Temperature Sensor Input, vs. GND
12	GND	Common Ground 1..24V Fan Supply, max. 800mA supports fan etc.
13	LUF	1..24V Fan Supply, max. 800mA supports fan etc.

RS232 Connector

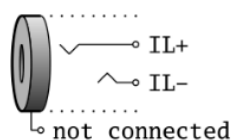


SubD-9 female

Standard RS232-Connector
(No Null-Modem Cable !)
9600-Baud-8N1

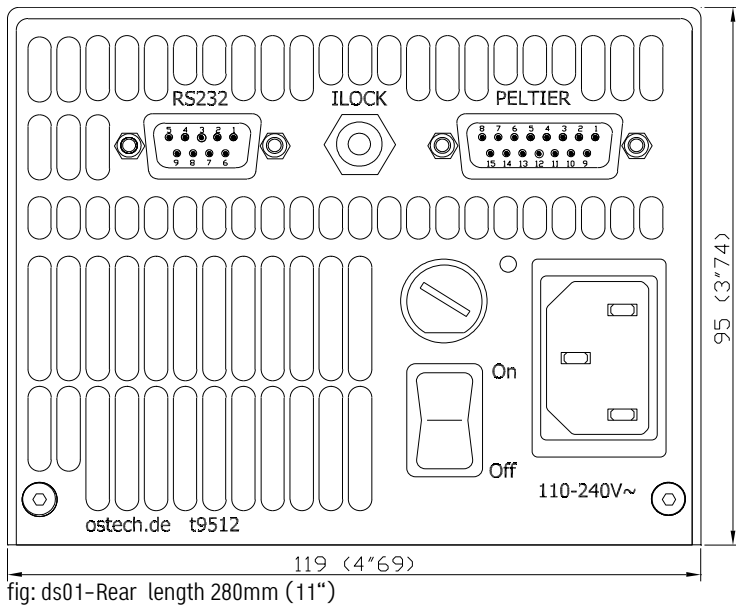
PIN.No	Abbr.
2	RXD
3	TXD
5	GND

Interlock Connector



Jack Connector Stereo 3.5mm / Interlock - Laser can only run if Interlock is closed;
(ca. 5mA over 2V → $R_{Interlock} \leq 400R$)
connect ILOCK- and ILOCK+ pin
Warning: do not connect (SCR) common screen pin

Tabletop Peltier Controller



Revision overview:

2007-10-10: "v0" - new derived

References:

<http://www.ostech.de/en/products/tec-controllers/ps11-t95>
<http://www.ostech.de/en/downloads/manuals/ds-en.pdf>
<http://www.ostech.de/en/downloads/labview>

Accessories

- acc-converter-usb-to-rs232-1m5-iso-417
RS232 to USB converter optical isolated with FTDI-Chip cable 1m5
- kab-lpa08-16pol-subd15m-oe-1.5m-39
cable 16x0.35qmm SUBD15-Gold-6,5A/Pin to open end length 1m5