

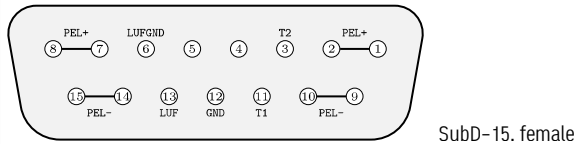
# Tabletop Peltier Controller

Type: ps11-pa07v48-t9512-v0-336



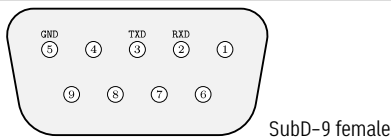
- TEC output max.: 7A, 48V
- Vin: 100~240VAC, 50/60Hz
- The controller has 2 universal Temp. Sensor Inputs
- External Fan Support can be configured freely between 1..24V max. 800mA
- Temperature Control Range: -25°C to 150°C
- Accuracy typ. ±0.01K
- Fast feedback loop P.I.D. temperature controller
- Temperature limits
- Current limits
- Standard Temp. Sensor inputs for NTCs (standard 10 kΩ), PT100, PT1000 or others

## Peltier Connector



IN.No	Abbr.	Function
1;2;7;8	PEL+	Peltier element (+)
3	T2	2. Universal Temp. Sensor Input vs. GND
6	LUF GND	Ground for Fan Supply
9;10;14;15	PEL-	Peltier element (-)
11	T1	1. Universal Temp. Sensor Input vs. GND
12	GND	Common Ground - N.C. To Screen
13	LUF	1..24V Supply, max. 500mA supports Fan and Other Loads
	SCR	Common Screen

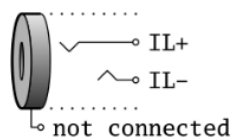
## RS232 Connector



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 →  $R_{interlock} \leq 400\Omega$ )  
connect ILOCK- and ILOCK+ pin  
Warning: do not connect (SCR) common screen pin

## Tabletop Peltier Controller

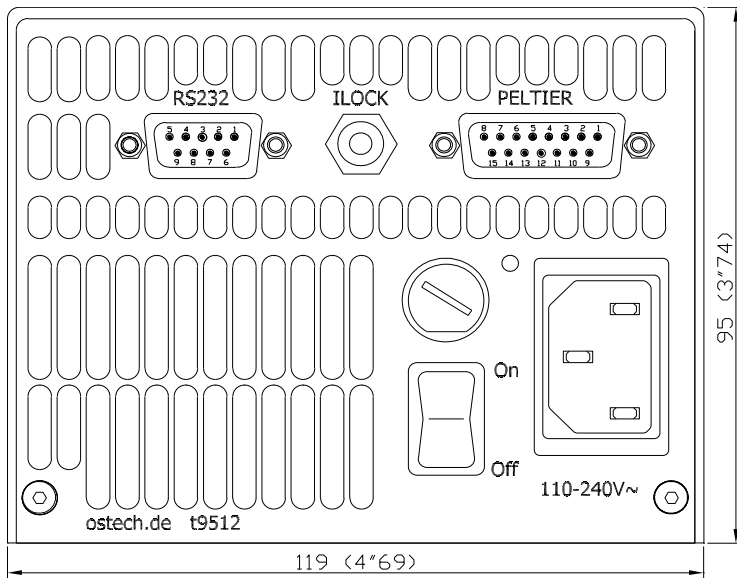


fig: ds01-Rear length 280mm (11")

### Rrevision 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 1.5m
- kab-lpa08-16pol-subd15m-oe-1.5m-39  
cable 16x0.35qmm / subd15-Gold-6,5A per pin to open end / length-1m5