

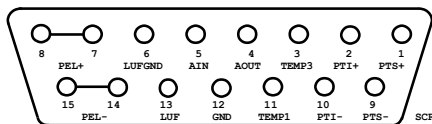
# Peltier - TEC - Driver with pt100 & pt1000 Support

type: ps11-pa10v18-t8536-v1-pt100-20



- 1.TEC Current max. : 10A
- 1.TEC Voltage max. : 18V
- the driver has 2 universal Temp. Sensor Inputs and and 1 4-wire PT100 Input
- These Sensors can be freely be related to the TEC
- the Analog Input maps the applied voltage from 0..10V to LTEL..LTEU and results in the the TT value; where LTEL is the Laser Temp. Lower Edge and LTEU is the upper Edge, TT is the Temp. Target of the Control Loop
- the Analog Output maps LTEL..LTEU to 0..10V and gives the TA 'Actual Temp.' back
- with LTXAR can the Analog Mapping be activated and is deactivated be LTXAS command
- external Fan Support

## Peltier Connector

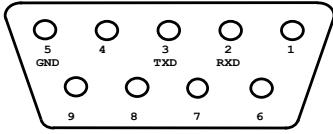


Sub-D 15, female Type as viewed from backside

IN.No	Abbr.	Function
7;8	PEL+	Peltier element (+)
14;15	PEL-	Peltier element (-)
11	TEMP1	1st Temp. Sensor Input
3	TEMP3	3rd Temp. Sensor Input
6	LUFGND	Ground for Fan Supply
12	GND	Common Ground - N.C. To Screen
13	LUF	1..24V Fan Supply, max. 500mA supports fan etc.
2	PTI+	2nd Temp PT100x Input + 4-wire option
1	PTS+	2nd Temp PT100x Supply + 4-wire option
10	PTI-	2nd Temp PT100x Input - 4-wire option
19	PTS-	2nd Temp PT100x Supply - 4-wire option
	SCR	Common Screen

# Peltier - TEC - Driver with pt100 & pt1000 Support

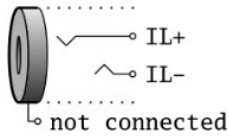
## RS232 Connector



Sub-D 9, female Type as viewed from backside  
Standard RS232-Connector connected to PC  
(No Null-Modem Cable !)

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

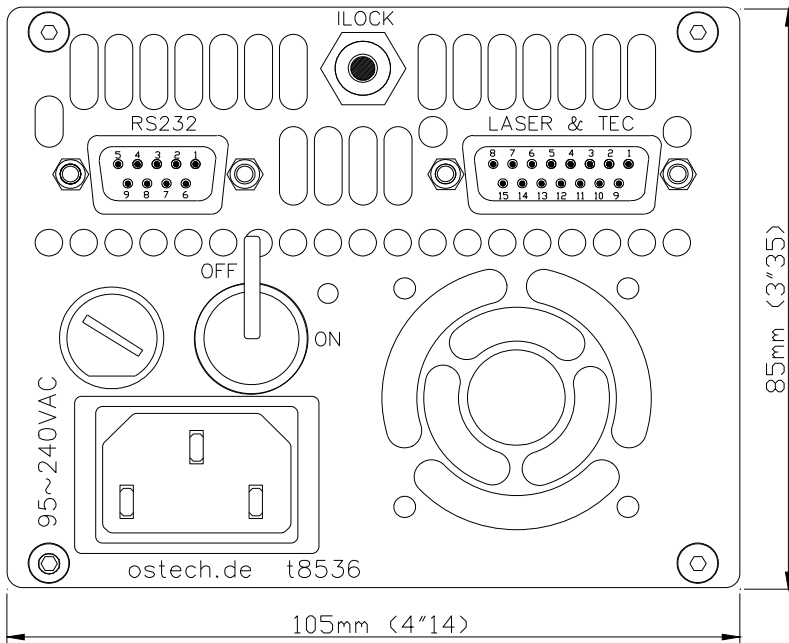


fig: ps11-t8536-rear length 200mm