

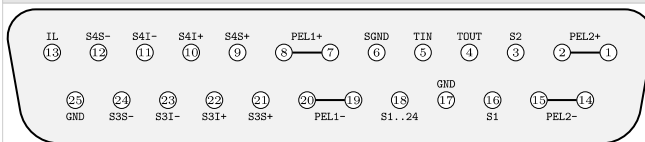
Tabletop Peltier Controller

Type: ps11-pa15v48-t9529-v0-1013



- 1. TEC output max.: 15A, 48V
- Vin: 100~240VAC, 50/60Hz
- The controller has 2 universal Temp. Sensor Inputs for Temp. Sensors NTCs (standard 10 kΩ), PT100, PT1000 or others as well as 2 PT100 4-wire sensor inputs
- each of the sensors can be selected for each TEC circuit
- Temperature Control Range: -25°C to 150°C
- Accuracy typ. ±0.01K
- Fast feedback loop P.I.D. temperature controller
- Temperature limits
- Current limits
- Interlock Temp. Control active only when closed

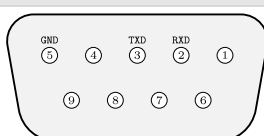
Peltier Connector



SubD25 female

PIN.No	Abbr.	Function
1,2	PEL+	Peltier element (+)
3	S2	2. Temp. Sensor Input (vs. GND)
4	TOUT	Analog Temperatur Output 0..10V (Actual Temperature) can also be used as Temp. OK Signal
5	TIN	Analog Temperature Input 0..10V (Temperature Target)
6	SGND	Supply Ground
7,8	PEL+	Peltier element (+)
9	S4S+	4. PT100 Sensor Supply (+) (for 4-wire option, if not used connect to pin 10)
10	S4I+	4. PT100 Sensor Input (+)
11	S4I-	4. PT100 Sensor Input (-)
12	S4S-	4. PT100 Sensor Supply (-) (for 4-wire option, if not used connect to pin 11)
13	IL	Interlock Input has to by bypassed to GND
14,15	PEL-	Peltier element (-)
16	S1	1. Temp. Sensor Input (vs. GND)
17,25	GND	Common Ground
18	S1..24	Universal Supply 1..24V, max. 800mA (vs. SGND) supports fan etc.
19,20	PEL-	Peltier element (-)
21	S3S+	3. PT100 Sensor Supply (+) (for 4-wire option, if not used connect to pin 22)
22	S3I+	3. PT100 Sensor Input (+)
23	S3I-	3. PT100 Sensor Input (-)
24	S3S-	3. PT100 Sensor Supply (-) (for 4-wire option, if not used connect to pin 23)

RS232 Connector



SubD-9 female

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

PIN.No	Abbr.
2	RXD
3	TXD
5	GND

Tabletop Peltier Controller

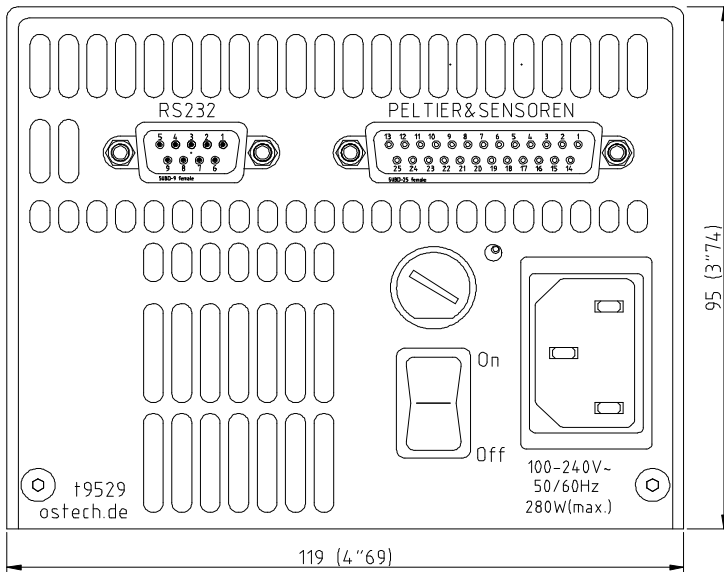


fig: ds01-Rear length 280mm (11")

Revision overview:

2022-07-04: "v0" - new derived from type 977

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 optional

- 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