ps11-t85-series	Tabletop Peltier TEC Controller

The product series ps11-t85 of table top drivers has all features of the ds-series. It is powered by an input voltage of 98~230VAC with power factor correction. The power ranges up to 460W. The TEC current ranges up to 20A and voltage up to 48V.

As in all DS devices an RS232 interface for controlling and monitoring is integrated. An Temperature Sequenzer is integrated for adjusting temp. profiles. External analog controll is supported.

Optionally, up to 4 TEC circuits are possible.

PRECISION TEMPERATURE CONTROLLER:
- TEC Control Power up to 600W
  4A-14V, 8A-14V, 12A-18V, 12A-24V, 7A-48V or others
- Temperature Control Range: –25°C to 150°C
- Temp. Accuracy typ. ±0.01K
- Temp. Drift 24h ±0.004K
- 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

TEMPERATURE TARGET SEQUENZER:
- Linear Interpolated Target Temperature Points
- Default 10 Points
- Sequenzer only for the 1st TEC-Channel

ANALOG INTERFACE:
- Analog Input for Temperature Target, 0-10V
- Analog Output for Actual Temperature, 0-10V
- Analog Interface only for single channel devices

INTERFACE:
- Front Panel display with touch-keys
- RS-232 remote I/O with optional USB
- free PC User Interface based on LabVIEW™
- free LabVIEW™ VI

DEVICE FEATURES:
- Adjustable External Fan Support, Fan can be controlled depending on load
- Supply Voltage: 98~230VAC

OPTIONAL:
- up to 4 TEC circuits
- up to 6 Temp. Sensors
- optimized Temp. Sensor inputs for Thermocouple and 4-wire PT100
- interfaces USB, RS485 or RS422,
- up to 30 Temperature Sequenzer Points
- extendet Temperature Range

Selection of some Standard Device Configurations:

Type	Device Name	1st TEC Current Max[A]	1st TEC Voltage Max[V]
346	ps11-pa06v14-t8536-v2-pt100-346	6	14
20	ps11-pa10v18-t8536-v1-pt100-20	10	18
180	ps11-pa15v24-t8539-v1-thcpl-180	15	24
589	ps11-pa12v48-t8539-v1-thcpl-589	12	48

If your type is not among the listed types please request!

(bottom view)

4 removable housing
bumpers fixed on M4
sliding nuts