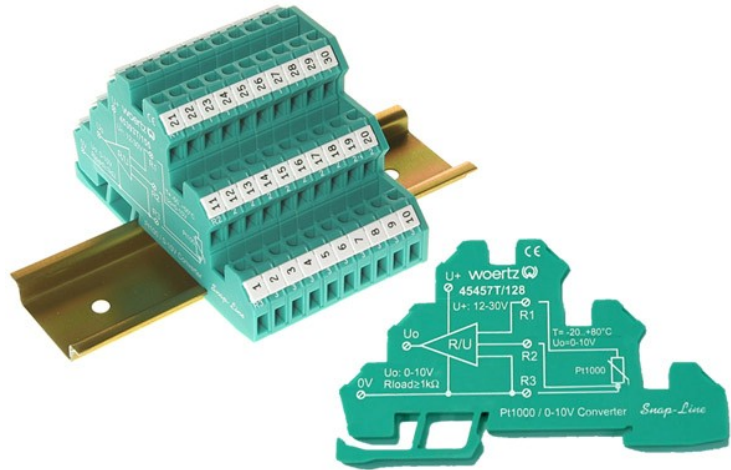


Woertz – USA  
 151 Discovery Drive #111  
 Colmar, PA 18915  
 T: (215) 997-8855  
 Fx: (800) 522-3868  
 e-mail: [woertz1@erols.com](mailto:woertz1@erols.com)  
[www.woertz-usa.com](http://www.woertz-usa.com)

(2) 3-wire Pt1000 / 0-10V temperature converter

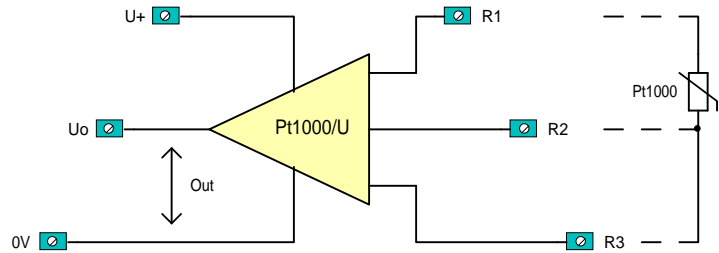
**Features**

- 5.08mm Snap-Line terminal with a Pt1000 temperature sensor to 0-10V converter.
- With a low pass filter for suppression of 50-60 Hz and other noise.
- Low current through the sensor reduces self heating
- Wide supply voltage range
- If a 2-wire sensor is used: connect R2 and R3 together.
- On request: other input temperature span, higher accuracy, other sensors (eg. Pt500) or wider temperature range



**Accessories**

- 30407T End barrier
- 30403 Compatible 3-level terminal
- 30413RO Cross connection 20-pole red
- 30413BL Cross connection 20-pole blue
- 30790 Cross connection 10-pole grey
- 81535/x Cross connection with screws x = 2, 3, 4, 5, 10 poles
- 30411, 12 Isolation strip red, blue
- 80247, 48 Test plug red, black
- 30455/55xx Labels for custom use RB5x5



**Technical data** (Ta = 25°C)

**Supply**

Power supply range  
 Power supply current (Pt1000 connected)

12-30VDC  
 max. 25mA (U+=24V)

**Converter**

Temperature ranges  
 Output  
 Sensor current  
 Conversion error  
 Min. output load  
 Low pass filter cut frequency  
 Output protection

see list below (other values on request)  
 0-10VDC  
 ca. 0.5mA  
 <0.5% (50mV) (typically <0.2%)  
 1kΩ  
 ca. 12Hz  
 ca. 12V

**General data**

Operating temperature range  
 Wire cross section  
 Maximum torque  
 Size L x B x H (from rail)

0°C to +45°C  
 2.5mm<sup>2</sup> (AWG24-14)  
 0.4Nm  
 5.08 x 86.5 x 44mm

**Temperature range for 0..10V output**

- 50°C..+50°C
- 20°C..+60°C
- 20°C..+80°C
- 0°C..+50°C
- 0°C..+100°C
- 0°C..+150°C
- 0°C..+200°C
- 0°C..+300°C

**Order number**

- 45457T/155
- 45457T/126
- 45457T/128
- 45457T/005
- 45457T/0010
- 45457T/0015
- 45457T/0020
- 45457T/0030