

## Series PTI-510

### Temperature display

#### Specification Data



#### Application

PTI-510 is an electronic digital temperature display for general-purpose use.

Snap-in housing for installation in a control panel.

Display range: - 55 °C to + 99 °C

Resolution: 1 K

#### Technical data:

- Mains voltage/frequency:  
230 V,  $\pm 10\%$ , 50/60 Hz (110 V, 50/60 Hz on request)
- Rated wattage: 1.3 Watt
- Measuring range: - 55 °C to + 99 °C
- Display: 3-digit, 7-segment, LED red
- Resolution: 1 K
- Display accuracy:  $\pm 0.5$  K internal ( $\pm 1$  digit), at 25 °C
- Sensor: 1 analogue input for PTC thermistor sensor
  - cable length of sensor: 2.5 m
  - range where cable - 30 °C to + 80 °C mounted can be used: - 40 °C to + 80 °C fixed
  - accuracy:  $\pm 2\%$
- Connections: 10 A screw-type terminal strips, max. 1.5 mm<sup>2</sup> conductor
- Tightening torque: 0.6 Nm
- Ambient temperature/humidity:  
Operation: 0 °C to + 50 °C at 30-85 % R. H. (excl. dew)  
Storage: - 20 °C to + 80 °C
- Housing:  
Plastic module housing, self-extinguishing (UL 94 V0)  
L x W x H = 70 x 74 x 32 mm
- Protective rating:  
Housing: IP 20, operator's panel to IP 52  
Protection class 2
- Weight: approx. 140 g
- **Only operate the unit in dry places.**

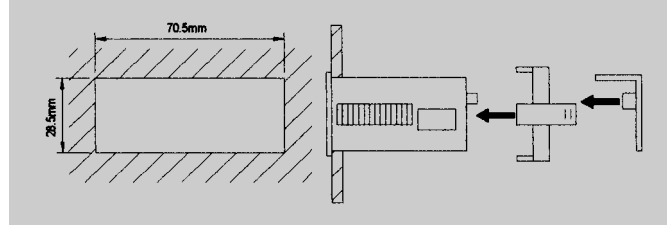
### Special Features:

- 230 V, 50/60 Hz mains transformer installed (110 V, 50/60 Hz on request)
- PTC-sensor in stainless steel tube included
- Red digital display, good visibility in darkness
- Retaining frame for wall thickness up to 22 mm included.

### Installation:

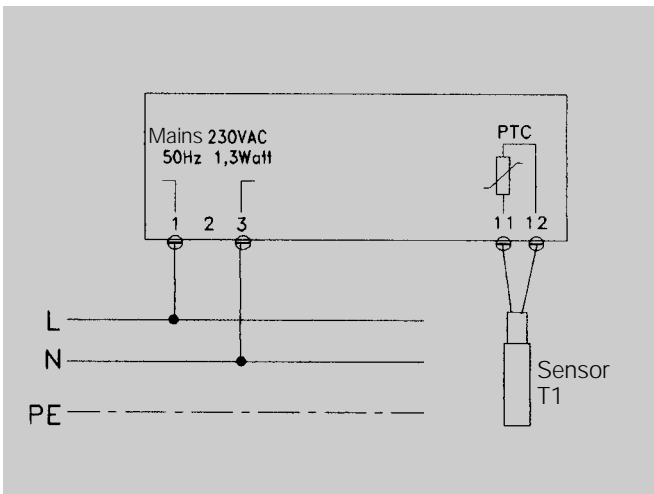
#### ● Snap-in housing:

Fit unit in a recess 28.5 x 70.5 mm and secure with the appropriate retaining frame. Fit terminal cover after the electrical wiring is complete.



- Use a cable clamp to secure **sensore T1** in a suitable position.

### Circuit diagram:



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# Honeywell

**Honeywell**  
Cooling and Refrigeration Controls  
Honeywell AG

Hardhofweg  
D-74821 Mosbach  
Phone (00 49) 062 61/8 14 75  
Fax (00 49) 062 61/8 14 61  
e-Mail: [Cooling.Mosbach@Honeywell.com](mailto:Cooling.Mosbach@Honeywell.com)