

Series HTI 16

Integral Controller / Monitoring-Combination

The device convinces by being optimally matched to our trace heating systems, compact form and simple handling. Easy mounting using the mounting plate that is designed as cooling unit and modern connection systems are self-evident.

The HTI 16 Temperature Controller controls the temperature of heating conductor. Temperature measurement takes place via the resistance change in the heating wire without further sensors.

Rather than point measurement, the Integral Controller measures the average temperature over the entire length / surface of the heating system directly from the heating wire and registers a temperature change immediately without any delay. The measured value corresponds to the temperature profile of the entire heating system rather than the temperature at a single point. A special nickel alloy is used as heating wire. For HTP 16 Controller-Monitoring you need an extra PT 100.



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| Nominal voltage: | 230 V AC (optional 115 V / 400 V AC), 50 ... 60 Hz |
| Max. Load: | 3600 W (max. 16 A resistive load, operating time 70 ... 80%) |
| Min. output current: | 1 A resistive load |
| Temperature control range: | see type plate (-20 ... +250°C in 4 seg- ments) |
| Temperature setting: | digital via buttons |
| Power unit: | Triac |
| Alarm relay: | Change-over relay 230 V AC, 6 A |
| Protection class: | IP 65 (EN 60529) |
| Dimensions: | 81 x 161 x 65 mm (W x L x H) ABS housing without screw fittings / base plate |
| Terminal clips: | 2.5 mm ² |
| Control: | Pulse package control with zero passage detection and defined heating pause |
| Version: | D – Ready to plug in with 2+PE-pole socket K – Terminal clips |
| Options HTP 16: | 2. Regulator circuit with PT 100 probe as a combination Regulator/Monitoring |

The HTI controller is always calibrated on the corresponding heating circuit. On supply of a heating system with an assigned controller system, the device is factory-set. The heating system and the controller are then coded accordingly. Calibration is stored as a mode and can be performed without undue effort in the event of a device change.

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