



HT 20

Temp. Regulator with Central Mains / Sensor Connection

The HT 20 temperature regulator with plastic case has a seven-pole plug socket, where sensor lines and power cables can be centrally connected to the heating. It is particularly suitable if regulator and connected heating (e. g. heating hoses, heating jackets, heating mats etc.) have to be separated quite often.

A two-pole main switch and a two-pole restraint solid state relay increase the technical safety of the device. Due to the fact that the number of switchings is limited, the abrasion of the relay contacts is reduced. In case of an interrupted sensor line or a deficient sensor, the device is immediately cut off. Then, a control lamp indicates the failure.

Technical Data

| | | | |
|------------------------|------------------|----------------------|---------------------|
| two-position-regulator | | control amplifier: | 2 % |
| control system: | P-PD | safety class: | II |
| power control: | über Relais | protection category: | IP 50 (DIN 40 050) |
| switching power: | 2300 W at 230 V~ | power cable: | 1.3 m |
| power switch: | all-pole, unlit | case dimensions: | 55 x 80 x 160 mm |
| degree of accuracy: | 2.5 % | material case: | ABS / polycarbonate |

| sensor: Fe-CuNi (J) | | sensor: NiCr-Ni (K) | | sensor: Pt 100 | |
|---------------------|--------------|---------------------|---------------|----------------|----------------|
| order no. | range | order no. | range | order no. | range |
| 06 20 01 | 0 ... 100 °C | 06 20 04 | 0 ... 100 °C | 06 20 08 | 0 ... 100 °C |
| 06 20 02 | 0 ... 200 °C | 06 20 05 | 0 ... 200 °C | 06 20 09 | 0 ... 200 °C |
| 06 20 11 | 0 ... 250 °C | 06 20 12 | 0 ... 250 °C | 06 20 13 | 0 ... 250 °C |
| 06 20 03 | 0 ... 500 °C | 06 20 06 | 0 ... 500 °C | 06 20 10 | 0 ... 500 °C |
| | | 06 20 07 | 0 ... 1000 °C | | |
| | | | | order no. | accessories |
| | | | | 07 99 04 | plug set HT 20 |



HTU

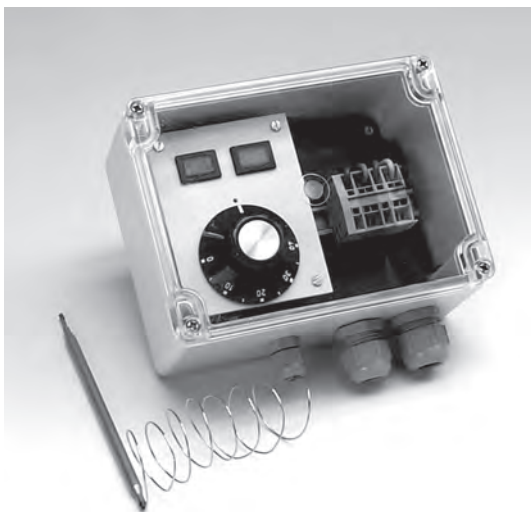
Universal Regulator with Sensor

This simple and reasonably-priced temperature regulator is suitable for the monitoring of solid, liquid and gaseous media.

Technical Data

| | |
|-----------------------------------|---------------------------------------|
| nominal voltage: | 230 V~ +10 / -15 %, 48 - 62 Hz |
| max. switching current: | 16 A / 250 V |
| switching power: | 3600 W |
| admissible ambient temperature: | -10 ... 50 °C |
| switching temperature difference: | approx. 1 - 5 K |
| contact (relay contact): | 1 change-over contact, potential-free |
| electrical connections: | hreaded terminal ends |
| set point adjustment: | under case lid |
| sensor (self-monitoring): | PTC |
| fixing of case: | on plaster |
| case material: | plastic |
| protection category: | IP 65 |
| cable entries: | 2 x M 16 |
| weight (without sensor): | approx. 440 g |

| order no. | range | sensor (cable length / material) |
|-----------|---------------|----------------------------------|
| 06 12 30 | -40 ... 20 °C | 1.5 m / silicone |
| 06 12 31 | 0 ... 60 °C | 4.0 m / PVC |



HTK

Capillary Tube Regulator

This regulator is suitable for the simple temperature monitoring or temperature regulation, for example for frost protection or for the heating of rainwater gutters.

Technical Data

| | |
|----------------------------|---------------------|
| two-position-regulator | |
| control system: | P |
| switching hysteresis: | 5 K |
| power control: | skip contact |
| switching power at 230 V~: | 3600 W AC 1 (16 A) |
| degree of accuracy: | 5 % |
| safety class: | I |
| protection category: | IP 65 (DIN 40 050) |
| diameter of terminals: | 2.5 mm ² |
| case dimensions: | 120 x 160 x 75 mm |
| case material: | ABS, polycarbonate |

| order no. | range |
|-----------|---------------|
| 06 12 01 | 0 ... 40 °C |
| 06 12 02 | 0 ... 85 °C |
| 06 12 03 | 50 ... 250 °C |