



Temperature regulator

GIR 2000 Pt cpl. with probe

GIR 2000 Pt OF without probe



- measuring input for Pt100 (3-wire)
- temperature probe in scope of supply
- integrated switching output
- extensive self-monitoring and diagnostic system
- min-/max value memory

Specification

Measuring input: Pt100 (3-wire)
Measuring range: -50.0 ... +200.0°C
Resolution: 0.1°C
Measuring rate: approx. 4 meas. / sec.
Accuracy: < 0.3 % FS ±1digit (at nominal temperature = 25°C)
Temperature probe: GTF200 Pt100 / 3-wire
 Pt100-probe, DIN class B (±0.3°C at 0°C), V4A-tube Ø5mm 50mm length, approx. 1m silicone cable. (in scope of supply at GIR2000Pt)



Output: voltage free relays output, change-over-contact, switching power: 10A (ohmic load), 250VAC

Controller state: 2-point, min-/max-alarm

Switching point: freely adjustable

Response time: ≤ 0.5 sec.

Display: approx. 13 mm high, 4-digit red LED-display

Min-/max-value memory: the max- and min value will be stored.

Miscellaneous: permanent self-monitoring, digital zero point and scale adjustment

Voltage supply: 230 V AC, 50/60 Hz (standard) optionally other supply voltages are possible
Power consumption: approx. 5 VA
Operating temperature: -20 to +50 °C
Relative humidity: 0 to 80 %RH (non condensing)
Storage temperature: -30 to +70 °C
Housing: standard rack type housing 48 x 96 mm (front frame) installation depth: approx. 115 mm (incl. screw-type/plug-in terminals)
Panel mounting: by fixing clamps
 Panel cutout: 43.0^{+0.5} x 90.5^{+0.5} mm (H x W)
Electrical connection: via screw-type/plug-in terminals cable diameters from 0.14 to 1.5 mm².
Protection class: front side IP54, with optional sealing IP65
Electromagnetic immunity (EMC): EN61326 (appendix A, class B)

Options (upon upcharge)

- **12VDC** voltage supply = 12 VDC (11-14V)
- **24VDC** voltage supply = 24 VDC (22-27V)
- **24VAC** voltage supply = 24 VAC ±5%
- **115VAC** voltage supply = 115 VAC ±5%

Accessories

GGD4896 additional sealing for panel mounting IP65

APG-4 Housing for surface mounting (incl. seal GGD4896)



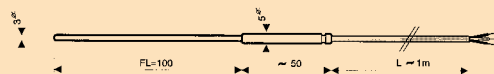
device assembled in housing

Dimensions: 75 x 125 x 127 mm (H x W x D) (without screw connections)

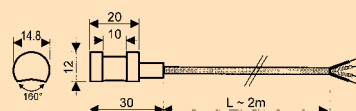
Cable insert: screw connections M12x1.5 and M16x1.5

Accessories (probes)

GTF 199 Pt100-probe, 3-wire, -50 ... +400°C
 DIN class B, V4A-tube Ø3 x 100mm, approx. 1m silicone cable



GRO 200 Pt100 tube surface probe, -50 ... +200°C
 DIN class B, sensor body made of aluminium, approx. 2m silicone cable



additional suitable temperature probes

p.r.t. page 112