

# 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 ± 1 digit (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

**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<sup>+0.5</sup> x 90.5<sup>+0.5</sup> mm (H x W)

**Electrical connection:** via screw-type/plug-in terminals  
cable diameters from 0.14<sup>2</sup> to 1.5<sup>2</sup>.

**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

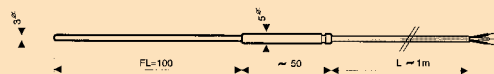
**Dimensions:** 75 x 125 x 127 mm (H x W x D)  
(without screw connections)

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

### Accessories: (probes)

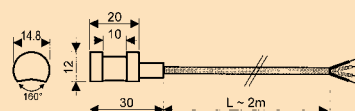
**GTF 199** Pt100-probe, 3-wire, -50 ... +400 °C

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



additinal suitable temperature probes

p.r.t. page 98