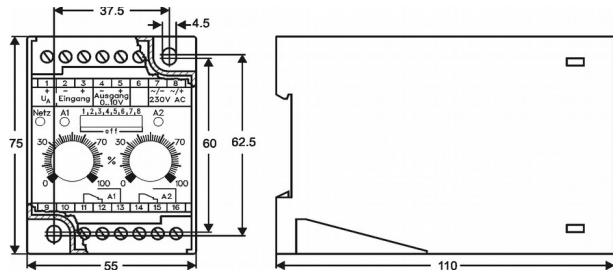


Product Information

Temperature Limit Value Relay GS1000

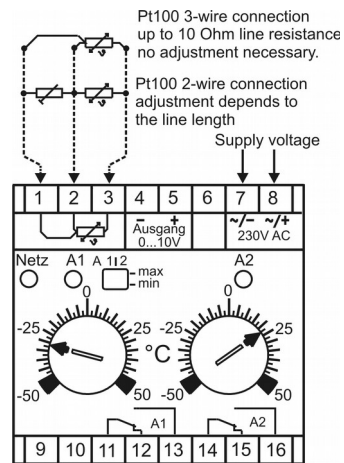


Dimensions



Connection diagrams

Pt100 scale °C



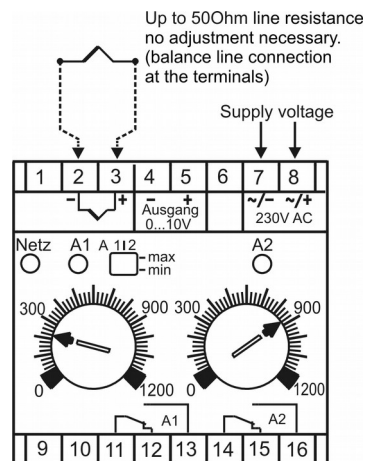
Characteristics

The monitoring device GS1000 can be used for monitoring of temperatures in process and automation systems.

Technical data

- Power supply**
 Supply voltage : $U_c \pm 10 \%$
 Frequency : 47..63 Hz
 Power consumption : 4 VA
 Operating temperature : -10..+60 °C
 CE - conformity : EN 55022, EN60555-2
 IEC61000-4-2/4/5/11/13
- Input**
 RTD Pt100 : sensor current 1 mA
 Thermocouple : $R_i > 1 \text{ M}\Omega$
 Switching hysteresis : approx. 1 %
 Scale accuracy : 2 %
 Repeatability : 0.2 %
 Accuracy : RTD Pt100 0.7 %
 Thermocouple 0.3 % non linearized
- Temperature coefficient
 - Pt100 / Thermocouple : 0.035 %/K
- Outputs**
 Limit relay : 250 V AC < 250 VA < 2 A
 100 V DC < 50 W < 1 A
- True value
 - Voltage : 0..10 V DC, max. 10 mA
 - Current (optional) : 0..20 mA or 4..20 mA, burden max. 500 Ω
- Case** : Polycarbonate UL94V-0 acc. to DIN EN 60715:2001-09
- Weight : approx. 400 g
- Electrical connection : Screw terminals with pressure plate, max. 4 mm²
- Protection class : case IP40, terminals IP20 BGV A3

Thermocouple scale °C



Continue next page

Product Information

Ordering code

1. 2. 3. 4.
 GS1000 - - - -

1. Limit contact (SPDT)	
1	1 contact max. 250 V AC/2 A
2	2 contacts max. 250 V AC/2 A
2. True value output	
1	0..10 V (max. 10 mA) standard
2	0..20 mA burden max. 500Ω
3	4..20 mA burden max. 500Ω
3. Supply voltage	
0	230 V ±10 % 50-60Hz
1	115 V ±10 % 50-60Hz
4	24 V ±10 % 50-60Hz
5	20..28 V DC isolated
4. Measuring input /scale	
51	Pt100, -50..+50 °C
52	Pt100, 0..50 °C
53	Pt100, 0..100 °C
535	Pt100, 0..150 °C
54	Pt100, 0..200 °C
55	Pt100, 0..300 °C
56	Pt100, 0..400 °C
57	Pt100, 0..600 °C
61	Fe-CuNi (J), 0..300 °C
62	Fe-CuNi (J), 0..450 °C
63	Fe-CuNi (J), 0..600 °C
71	NiCr-Ni (K), 0..600 °C
72	NiCr-Ni (K), 0..900 °C
73	NiCr-Ni (K), 0..1200 °C
81	PtRh-Pt (S), 0..1200 °C
82	PtRh-Pt (S), 0..1600 °C