TEMPERATURE CONTROLLER
Type UNI2000

• **Compact Design**

• **Free programmable**

• **Completely independent control**

• **Displaying the actual value**

• **Self-optimizing**

• **Wear-free**

This device is made for temperature controlling of heatings, heated sample gas lines or heated systems. One heating loop can be controlled.

The UNI2010 consists of a controller and a separate solid state relay. Thus enables a wear-free switching of the load current. Therefore any numbers of cycle duties without wear and tear of contacts are possible.
Any control parameters will be set directly at the module. The controller can be programmed both as a two- or three-point controller..
All common measuring transducers (e. g. PT100, PT1000, Cu-CuNi, Fe-CuNi, NiCr-Ni, 0...10 V) are connectable. The actual value can be displayed on the monitor which is easy to read from bigger distances.

Digital form at:
www.cgs-company.de/downloads/MDZ_E_D_UNI2000.pdf

TEMPERATURE CONTROLLER
Type UNI2000

Technical data

- **Power supply:** 110 ... 240 VAC
- **Frequency:** 48 ... 63 Hz
- **Capability of make-contact:** 8 A at 240 VAC
- **Fuse max.:** 10 A
- **Power consumption controller:** 5 W
- **Ambient temperature:** 0°C ... +40°C
- **Type of protection:** IP 20
- **Position of use:** Table device
- **Measurements (W/D/H):** 80 x 175 x 70 mm
- **Weight:** 1 kg

- **Temperature sensor:** Ni/CrNi (factory setting CGS)

  PT100/1000 (2-wire)

  PT100/1000 (3-wire)
- **Temperature range:** 0 - 200°C (factory setting CGS)

Pin assignment

Pin assignment XS-N:
(4-pole Plug)

1 = L1
2 = N
3 =
4 = PE

Pin assignment XS-L1:
(7-pole plug)

1 = switched L1
2 = sensor
3 = sensor
4 = shield
5 = sensor
6 = N
PE = PE

Order numbers

Product	Order number
Temperature controller UNI2000; Metal housing for Ni-Cr/Ni- or PT100- sensors	1015802
Temperature controller for panel assembling; 230 VAC; iTRON32	1015810
MULTICOMP bayonet release fuseholder; 20x5mm panel mount; 250 V / 10 A	1027914
Solid State Relay; 3-32 V PG; 25 A	1025137
Insert feet; PVC; dia1=17 mm; dia2=7 mm; height=7 mm;	1027913
Fuse; 5 x 20 mm ; 1 A; time-lag	1020240
Fuse; 5 x 20 mm; 8 A; fast acting	1011624
Panel-mounted socket with flange; circular connector CA series; IP67; 7-pole 6+PE; 250 VAC/DC; 10 A; black	1010196
Male cable connector; 7-pole 6+PE; Series 693; Screw connection; PG9	1025987
Panel-mounted connector with flange; circular connector CA series; IP67; 4-pole 3+PE; 400 VAC/16 A; 250 VDC/10 A; black	1010200
Cable socket; straight; with strain relief; circular connector CA series; IP67; 4-pole; 3+PE; 400 VAC/16 A; 250 VDC/10 A; black	1010197
Mains connection management with plug SWS 15; 16 A; 250 V; black; length: 3.0 m	1010219