

2-CHANNEL DIFFERENCE CONTROLLER



GIR 2002 NS / DIF - 020

Product-ID: 604871 (Standard model)
2-channel difference controller, input signal (2x) 0-20 mA

GIR 2002 NS / DIF - 420

Product-ID: 600960 (Standard model)
2-channel difference controller, input signal (2x) 4-20 mA

GIR 2002 NS / DIF - 010

Product-ID: 601846 (Standard model)
2-channel difference controller, input signal (2x) 0-10 V

General:

The GIR 2002 NS / DIF is a display, control and regulating device for difference measurements. The measuring inputs are designed for standard signals. Please state your desired input signal at order transaction.

Application:

- difference controller for 2 channels
- detection of leaks
- control of delivery and exit air
- pressure compensation, etc.

Specifications:

Measuring inputs:	(2x) 4-20 mA, (2 x) 0-20 mA or (2 x) 0-10 V Please state your desired input signal at order transaction!
Display range:	-1999 ... 9999 digit, decimal point, initial and final values freely selectable
Recommended range:	≤ 2000 digit
Accuracy:	< 0.2 % FS ±1 digit (at nominal temperature = 25 °C)
Measuring rate:	approx. 100 measurings / s
Display/regulation:	difference: input 1 - input 2
Outputs:	1 normally open contact, 1 change-over contact output options like HLR-control output, analog output or continuous output available - p.r.t. previous page
Controller states:	5 or 6, selectable (e.g. 2-point-regulator, 3-point-regulator, ...)
Limit values:	freely selectable
Display:	approx. 13 mm high, 4-digit red LED-display
Operating conditions:	-20 ... +50 °C, 0 ... 80 % RH (non condensing)
Voltage supply:	230 V AC, 50/60 Hz, approx. 6 VA
Housing:	standard rack type housing 48 x 96 mm (front frame), installation depth: approx. 115 mm (incl. screw-type/ plug-in terminals)
Panel mounting:	with 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 ... 1.5 mm ² .
Protection class:	front side IP54 (IP65 on request)
Electromagnetic immunity (EMC):	EN61326 (appendix A, class B)
Scope of supply:	device, manual

for further technical date refer to GIR 2002 (page 86)

Option:

Output for control output, analog output and other voltage supply p.r.t. previous page

Accessories and spare parts:

- EBW 3**
Product-ID: 601137
Interface converter for connection of one EASYBus-module to the USB interface of your PC. (Power supply: from the USB port)
- EBS 20M**
Product-ID: 601158
20 channel measurement data acquisition software
- GIA 20 EB/GIR 2002 - Configuration Software**
Software for easy configuration of the types GIA 20 EB, GIR 2002, GIR 2002 PID,
download under www.greisinger.de

TEMPERATURE REGULATOR



GIR 2000 Pt

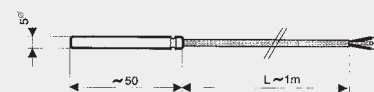
Product-ID: 601701 (Standard model)
Temperature regulator complete with sensor

GIR 2000 Pt OF

Product-ID: 601703 (Standard model)
Temperature regulator complete without sensor

Specifications:

Measuring input:	Pt100 (3-wire)
Measuring range:	-50.0 ... +200.0 °C
Resolution:	0.1 °C
Measuring rate:	approx. 4 measurings / s
Accuracy:	< 0.3 % FS ±1 digit (at nominal temperature = 25 °C)
Temperature probe:	GTF200 Pt100 / 3-wire Product-ID: 600018 Pt100-probe, DIN class B (±0.3 °C at 0 °C), V4A-tube Ø 5 mm 50 mm length, approx. 1 m silicone cable.



Output:	voltage free relays output, change-over-contact, switching power: 10 A (ohmic load), 250 VAC
Controller state:	2-point, min-/max-alarm
Switching point:	freely adjustable
Response time:	≤ 0.5 s
Display:	approx. 13 mm high, 4-digit red LED-display
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 ... +50 °C
Relative humidity:	0 ... 80 % RH (non condensing)
Storage temperature:	-30 ... +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 ... 1.5 mm ² .
Protection class:	front side IP54, with optional sealing IP65
Electromagnetic immunity (EMC):	EN61326 (appendix A, class B)
Scope of supply:	device, manual

Accessories and spare parts:

- GGD4896**
Product-ID: 603042
additional sealing for panel mounting IP65
- APG-4**
Product-ID: 602827
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 M12 x 1.5 and M16 x 1.5
- additional suitable temperature probes** p.r.t. page 145-159



Standard variant:

- GIR2000-PT-024D**
Product-ID: 603491
GIR 2000 PT with voltage supply 24 V DC (22-27 V)
- GIR2000-PT-OF-024D**
Product-ID: 602280
GIR 2000 PT with voltage supply 24 V DC (22-27 V)