

Analogue limit switch Model EGS01

WIKA data sheet AC 50.05

Applications

- Measuring and control systems
- Machine building and plant construction
- Manufacturing automation

Special features

- Limit switch for mV/V signals
- 3 relay outputs
- Adjustable control for switching thresholds
- Simple operation and setting
- Case for DIN-rail mounting



Analogue limit switch, model EGS01

Description

The model EGS01 analogue amplifier with relay outputs works as a DC amplifier for strain gauge measuring bridges. Three downstream comparators, each with one adjustment potentiometer, make it possible to set three different switching thresholds, which correspond to a specific load of the connected strain gauge force transducer. Each comparator output controls a relay and a control LED.

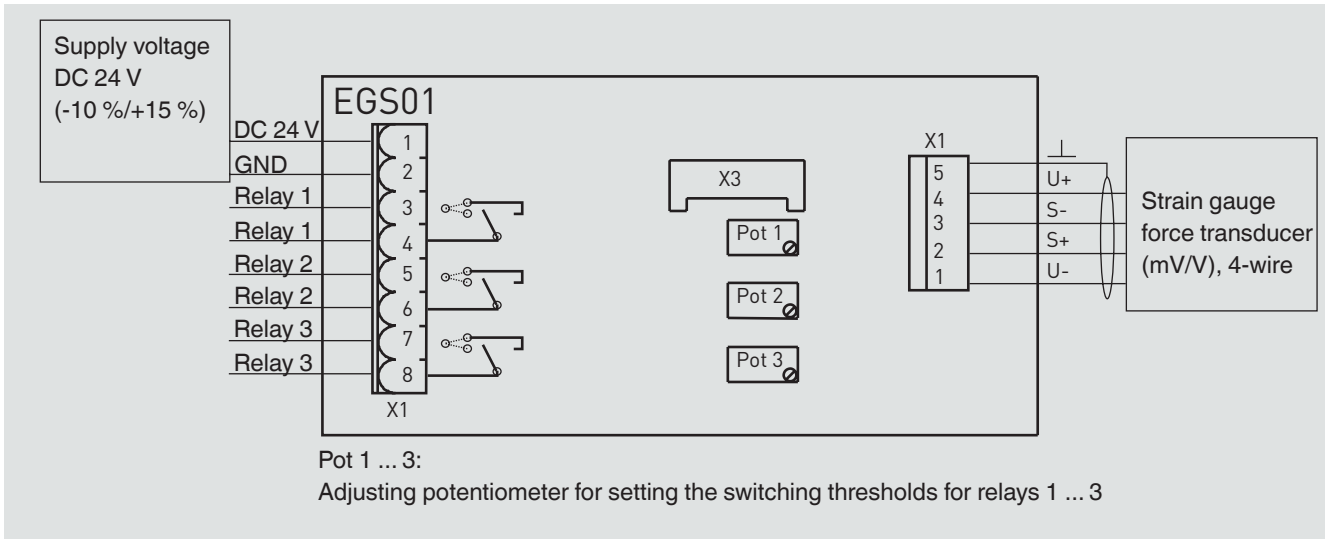
When switched off or if the power supply is interrupted, the three relay contacts on the output terminals 3 to 8 are open. When switched-on and below the respective set switching threshold, the output relays are operating and the relay contacts are closed. Parallel to the relay coil, a control LED is switched. It lights up as long as the output contact is closed.

The amplifier is designed for installation in a control cabinet and can be mounted on a mounting rail in a DIN rail housing made of extruded profile.

Specifications

Model EGS01	
Output signal	3 relay outputs
Switching current	max. 3 A
Limiting continuous current	3 A
Switching voltage	DC 250 V / AC 230 V
Switching power	60 W / 120 VA
Filter	adjustable via DIP switch: 10 kΩ, 1 μF 10 kΩ, 11 μF 10 kΩ, 21 μF
Input signal	Resistance thermometry bridges, 4-wire
Measuring range	0 ... 2.1 mV/V DC 5 V, max. 100 mA
Sensor supply	designed for resistance thermometry bridge, 4 x 350 Ω
Measurement accuracy	0.3 %
Setting	continuously adjustable via potentiometer
Rated temperature range	10 ... 40 °C
Service temperature range	0 ... 70 °C
Storage temperature range	-10 ... +70 °C
Supply voltage	DC 24 V -10 %/+15 %, max. 150 mA
Ingress protection	IP20
Dimensions (L x W x H)	107 x 54 x 25 mm

Functions



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