

## level measurement

### level device NVG 110

#### features

- level device for top hat rail mounting in the control cabinet
- slim casing design 22,5mm
- adjustable sensitivity range high-impedance (50K $\Omega$ ...2,0M $\Omega$ )
- 1 floating changeover contact
- state LED on the front side
- integrated pump controller with 3-rod probe

#### technical specifications

- switching delay 0,5 sec
- sensitivity 50K $\Omega$ ...2,0M $\Omega$  adjustable (potentiometer)
- output 1 pot. free changer (250V, 3A)
- electrode voltage max. 2VAC
- supply voltage 230V/50Hz, max. 3 VA  
optional 24VDC
- operating temperature -10...+55 °C
- housing 22,5 x 99 x 115mm (B x H x T)
- degree of protection IP20

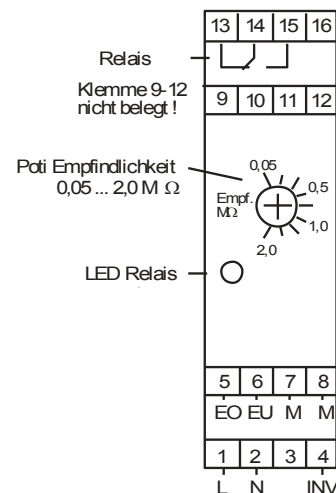


NVG 110-1-B-1

#### setting-up advices

1. connect the device in accordance with wiring diagram.
2. trimmer left (minimum).
3. increase level an extent that the electrode EO is safely covered.
4. sensitivity trimmer to the right (clockwise) until the relay safely switched, or the status LED for the relay switches from green to red.
5. the adjustment is completed.

clamp 1	supply voltage 230V L1
clamp 2	supply voltage 230V N
clamp 3	not used
clamp 4	level inversion function (bridge on KI.8 M)
clamp 5	electrode above
clamp 6	electrode below
clamp 7	ground (GND)
clamp 8	ground (GND)
clamp 9	not assigned
clamp 10	not assigned
clamp 11	not assigned
clamp 12	not assigned
clamp 13	relay opener
clamp 14	relay
clamp 15	relay closer
clamp 16	not assigned



order code: NVG 110

order example: NVG110-1-B-1

#### power supply

- 1 230VAC
- 3 24VDC

#### measuring areas

- B 50K $\Omega$ ...2,0M $\Omega$

#### outputs

- 1 relay output