

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 (50KΩ...2,0MΩ)
- 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 50KΩ...2,0MΩ 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

setting-up advices

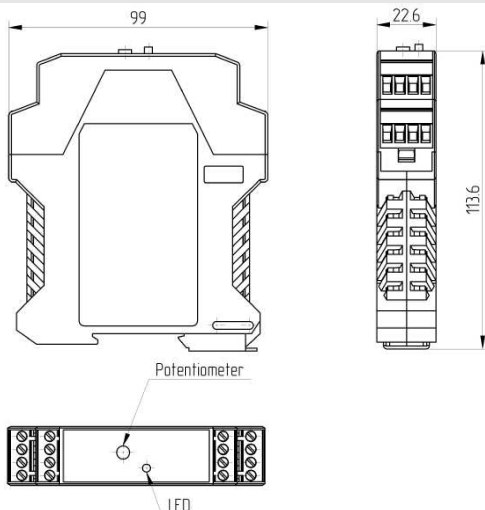
1. connect the device in accordance with wiring diagram.
2. trimmer left (minimum).
3. increase level an extent that the electrode EO is safely covered.
4. sensitivity trimmer to the right (clockwise) until the relay safely switched, or the status LED for the relay switches from green to red.
5. the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

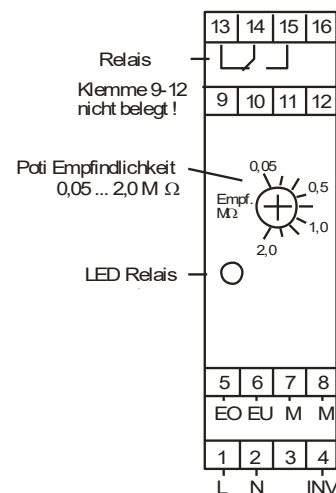
product benefits

- narrow housing design 22,5mm
- detection of very low conductivity media (50 KOhm ... 2 MOhm)
- status LED integrated on the front panel
- pump control for 3-rod probe integrated
- precise sensitivity setting via potentiometer

technical drawing



NVG 110-1-B-1



level measurement

order code: NVG 110

order example: NVG 110-1-B-1

power supply

-1 230VAC
-3 24VDC

measuring areas

-B 50K Ω ...2,0M Ω

outputs

-1 relay output

accessories

-99-001651 Connector strip as a spare part (1 piece)

For more accessories, see accessories data sheet.