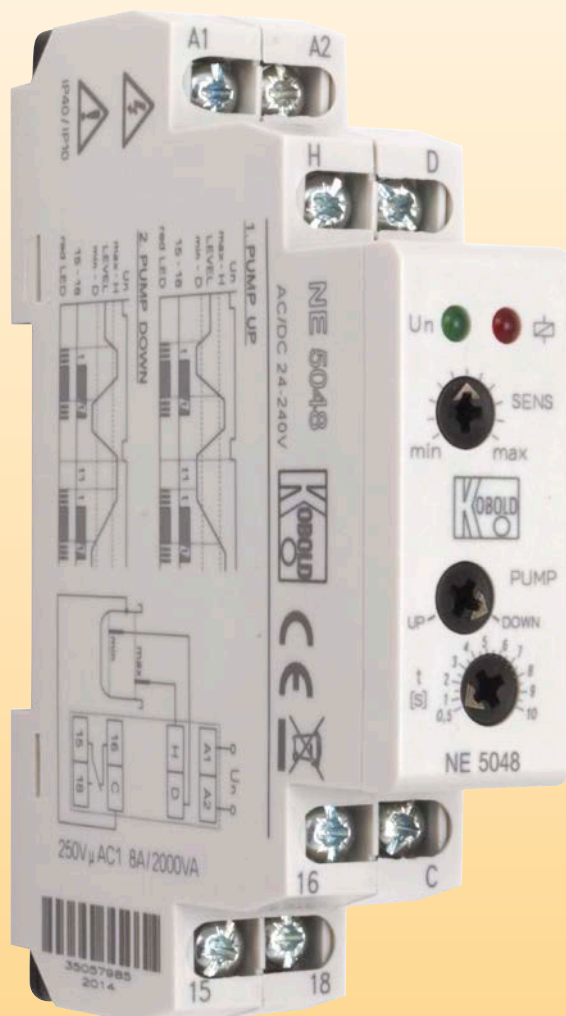


Electrode Relays for Conductive Limit Switches

NE-5048



- For use with conductive electrodes NES, NEH and LNK
- Limit signal
- Min./Max. controller
- Power supply: 24 - 240 V_{AC/DC}

N



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Description

The KOBOLD electrode relays type NE-5048 are used in conjunction with the conductive limit switches NES, NEH, and LNK for level monitoring and level control of conductive liquids with a conductivity of more than 10 µS/cm.

Probes are immersed in the tank to detect the level. These probes (and the tank wall, if conductive) serve as contacts of a circuit. The probes can be single-rod or multi-rod probes (see also NES, NEH, and LNK).

The NE-5048 relay provides a limit value signal for connecting one control and one earth electrode.

It also includes a bistable interval relay with latching and is thus suitable for interval switching - e.g. for pump control (min./max. control).

Main Features

- MIN/MAX controller
- Selectable NO/NC relay function
- Adjustable sensitivity
- Adjustable delay time
- Adjustable delay ON and delay OFF time
- Delay time display
- AC/DC versions

Technical Details

- Power supply: 24 - 240 V_{AC/DC}
(AC 50-60 Hz) -15 %, +10 %
- Power consumption: max. 2 VA / 1.5 W
- Electrode voltage: max. 3.5 V_{AC} 10Hz
- Sensor current: <0,1 mA AC
- Response sensitivity: einstellbar 5 - 100 kΩ
- Response time: 400 ms
- Switch-on delay: 1.5 s
- Switch-off delay: adjustable, 0.5 - 10 s
- Output: 1 potential-free change-over contact
- Switching capacity: max. 250 V_{AC}, 8 A, 2000 VA (AC).
240 W (DC)
- Housing: Makrolon®
- Protection class housing: IP 40
- Protection class terminals: IP 10
- Ambient temperature: -20 °C ... +55 °C
- Dimensions: 90 x 17.6 x 64 mm
- Weight: 73 g
- Mounting: Quick mounting for standard rail
DIN 60715
- Visual indication of operating status: LED red Monitoring status
LED green Operating voltage

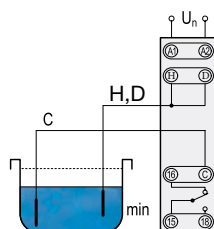
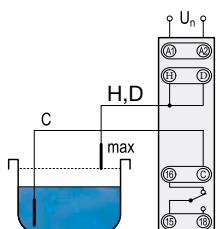
Order Details (Example: NE-5048)

Model	Description	Number of outputs	Power supply
NE-	Elektrode relay	504 = 1 limit signal or 1 Min./Max. controller	8 = 24 - 240 V _{AC/DC}

Operation

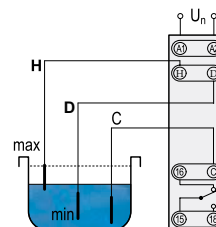
Liquid level switching

1 vessel, 1 level



Liquid level monitoring

1 vessel, 2 levels

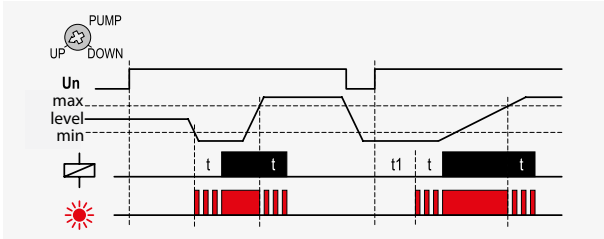


NE Switches

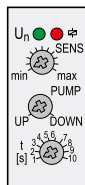
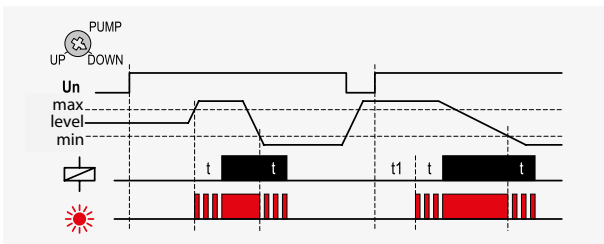
- A1, A2: Power supply
- C: Reference probe
- H: Upper level probe
- D: Bottom level probe

Operation (continued)

Filling



Emptying



Dimensions [mm]

