

Level Monitor Type NS20K

1 Level and MIN / MAX-Control

NS20K



Level-Relays NS20 can be used for monitoring 1 level and as MIN/MAX-Control.

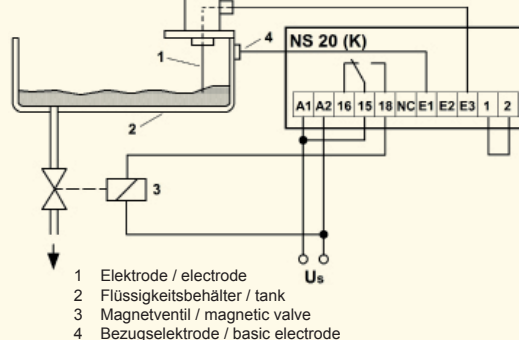
- 3 elektrodes for MIN/MAX-control
- 2 elektrodes (E2 open) as level-monitor
- Sensitivity adjustable 5 kΩ...250 kΩ
- LED for state of relay
- Function of relay reversible (picks up or releases at top electrode)
- Switching-delay adjustable
- 0,1 ... 10 s

Application as level-monitor: Protection from running dry or overflow, seal-monitoring of submersible pumps for leaks, detection of leaks.

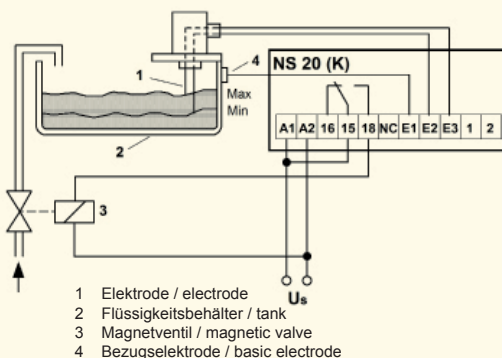
Application Min/Max: Controlling a level between minimum (elektrode E2) and maximum (E3). As long as E3 is dry, a magnetic valve is opened (or a pump is running) and liquid is influenting. As soon as maximum (E3) is reached, the NS 20 closes the valve. When the level falls below E2, the cycle starts new. In reverse also discharging of a container can be controlled.

Order-number: **V223445**

Überwachung Flüssigkeitsstand mit 1 Elektrode (E3 benetzt, Relais an 15-18 geschlossen)
monitoring of liquid with 1 electrode (E3 dipped, relay on 15-18 closed)



Zulaufsteuerung mit 2 Elektroden (E3 benetzt, Relais aus 15-16 geschlossen)
filling tank with 2 electrodes (E3 dipped, relay off 15-16 closed)



Technical Data

Supply voltage U_s	AC/DC 24-240 V, 0/50/60 Hz, <math>< 3W, < 3VA</math> (DC 20,4-297 V, AC 20-264 V)
Relay	1 change-over-contact (co)
Contact	type 2 (see "general technical informations")
Switching delay	adjustable 0,1...10 s
Test conditions	see "general technical informations"
Rated ambient temperature range	-20°C...+55°C
Number of electrodes	2 or 3 (with 2 electrodes: E2 not connected)
Voltage at electrodes	<math>< AC 6 V_{eff}</math>
Line capacity	at 5 kΩ max. 500 nF = app. 2500 m at 150 kΩ max. 20 nF = app. 100 m at 250 kΩ max. 10 nF = app. 50 m
Dimensions (h x w x d) mm	Design K: 75 x 22,5 x 115 mm
Attachment	on 35 mm DIN-rail or screws M4
Protection housing/terminals	IP 30/ IP 20
Weight	approx. 100 g

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