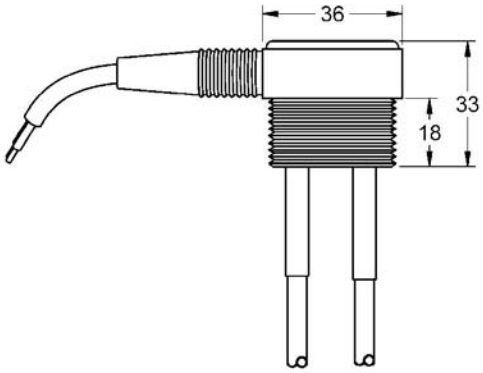
NR 1” // NRI 1”

CONDUCTIVE ELECTRODES



Description	Set of electrodes for the control of the level in conductive liquids. Usable in all kind of tanks, opened or closed.
Body material / colour	PVC / grey
Electrode	SS AISI316 (1.4401). Ø5 mm. Optional Titanium. The number of electrodes depends on the function of the required level control. Consult the specific characteristics of each level relay.
Electrode length	Standard, 1000 mm. All the electrodes are delivered at the same length. For setting the level detection points, cut each electrode to the required height. Keep in mind that the common electrode must have a length equal or longer than whichever other one.
Process connection	Top screw 1” G
Electrical connection	PVC cable (1 m)
Maximum temperature	+70 ºC
Pressure	Atmospherical
Electrode insulation (only NRI model)	Polyolefin shrink tube. The protective covering ensures detection set points. The Polyolefin is resistant to abrasion, to acids and alkalis.
Protection	IP66
Usable with	Level relays for conductive liquids: relays families PN, DN and SN (see next page).
⚠ Warning	DISIBEINT ELECTRONIC SL, is not responsible of the electric behavior of these electrodes when using control relays belonging another manufacturers.

Reference composition

		Nr. Electrodes
NR	1”	1E 2E
NRI (insulated)		

To compose the reference, select one option of each column.
Example: **NR 1” 2E**

Accessories

	NUT	SEPARATOR	PS-3
			
Function	Nut for attachment	Electrodes separator	Overvoltage protector for the probes line
Reference - Material - Colour	NR.TUE/P 1”1/2 - PVC - Red	NR.SEP/P - PVC - Red	PS3 - Noryl (housing box) - Light grey

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LEVEL RELAY FOR CONDUCTIVE LIQUIDS

· Electrode holder compact and exclusive use electrodes in conductive liquids.
Used level control points independent or combined among themselves in low-lying deposits.
· They need to connect to a level relay for conductive liquids
· The number of electrodes is determined by the chosen relay function

PNSA | **DNSA** | **SNSA**

· **Control of level maximum and/or minimum**
· General application
· Sensitivity: 10..100Kohms
· Voltage/Current (probes): 24 VAC/4 mA

PNFA | **DNFA**

· **Combined control of phase failure and maximum and/or minimum level**
· Sensitivity: 10..100Kohms
· Voltage/Current (probes): 24 VAC/4 mA

PNCA | **DNCA**
PNCB | **DNCB**

· **Supply voltage DC or AC**
· **Doble contact of relay**
· Control of maximum and/or minimum level
· Sensitivity: 8..45 Kohms
· Voltage/Current (probes): 6,2 VAC/3,2 mA

PNEA | **DNEA**

· **For high resistivity liquids: distilled water, demineralized...**
· Maximum and/or minimum level
· Two ranges of sensitivity: 10..100 Kohms / 200 Kohms..4,7 Mohms
· Voltage/Current (probes): 24VAC/4mA

PNDA | **DNDA**

· **Automatic control of well and tank**
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4mA

PNGA | **DNGA**

· **Double level control**
· Two controls of independents levels
· **Contacts NO**
· Maximum and/or minimum level
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA

PNHA | **DNHA**

· **Double level control**
· Two controls of independents levels
· **Contacts NC**
· Maximum and/or minimum level
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA

SNDA

· **Two independent level controls**
· Contacts NO/NC
· Maximum and/or minimum level
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA

SNZA

· **Control of 3 independent levels, from the same tank or not**
· Many application possibilities
· Independent settings for each relay
· Max-Min function or by level point
· Timing to detection level: 0..10s
· Sensitivity: 1..100Kohms
· Voltge/Current (probes): 5 VAC/4 mA

MNZA

· **Three independent level controls**
· Contacts NO/NC
· Maximum and/or minimum level
· Without box. For direct mounting on rail DIN
· Sensitivity: 10..100 Kohms
· Voltage/Current (probes): 24 VAC/4 mA