

Level Controller Sensing for 1 or 2 Levels.

NR/RN 01

Basic functions

Min-Max - 2 switch points	Max - 1 switching point
NR - Pump Up	NR - Overflow protection
RN - Pump Down	RN - Run Dry protection

The NR / RN mode can be selected by jumpers

Conductive measurement principle (for conductive media)

Sensitivity is adjustable

LED indicators for relay state and operation

Probes are operated with alternate current signal

Supply and measurement signal are isolated from each other

Safety measure against supply or transformer malfunction, then the filling and / or draining process will be stopped



Technical data

Dimensions:	L 75 x B 55 x H 110mm
Housing:	ABS for Wall mounting, with quick-release cover
Output:	1 SPDT energised for action
Switching voltage:	max. 250V AC
Switching current:	6A
Power On time:	100%
Probe voltage:	Centre position 12V AC max. 25V AC

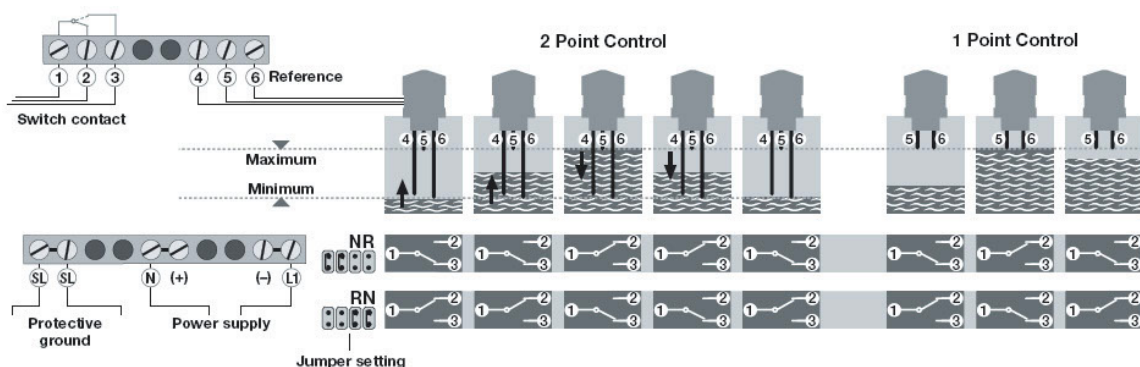
Protection class:	Housing IP65; Terminals are internal
Supply voltage:	230V AC
on request:	24V AC, 42V AC, 115V AC
Supply frequency:	50-60 Hz
Tolerance:	-15% to +10%
Power consumption:	max. 2,7VA
Ambient temperature:	-20°C up to +60°C

Type	Resistivity Range KΩ (centre position)	Conductance μS max.	Probe Current ≈ μA	Cable Capacity nF (centre position)	Cable Lenth m (centre position)
Setting 1	-70 (20)	14	< 800	60	500
Setting 2	-800 (330)	1,25	< 80	4	30
Setting 3	-680 (400)	0,85	< 50	1	8

Jumper



Anschluss- und Funktionsschema



Options

Variant -3	High sensible, for media with less conductivity, e.g. full demineralized water, condense
Variant -VZ	Switching delay, useful for moving filling media, undulation
Variant -3VZ	High sensible and switching delay together
all Variants	any combination available

Technische Änderungen vorbehalten / modifications reserved