

PZ-829

FLUID LEVEL CONTROL RELAYS two-position



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PURPOSE

Fluid level control relays PZ-829 is devised to detect the presence of conductive liquids reaching the level of the sensor.

FUNCTIONING

After the liquid level decreases to MIN (i.e. electrodes MIN and COM spaced), the MIN joint is switched to position 11-12, whereas the MAX joint remains in position 8-9. On the other hand, when the MAX liquid level is reached (MAX and COM electrodes shorted), the relay's MIN joint will be switched to position 11-10, whereas the MAX into position 8-7.

ATTENTION!

The electrode probe is connected by means of a cable with wire diameter up to 1 mm and maximum length of 100 m.

ASSEMBLY

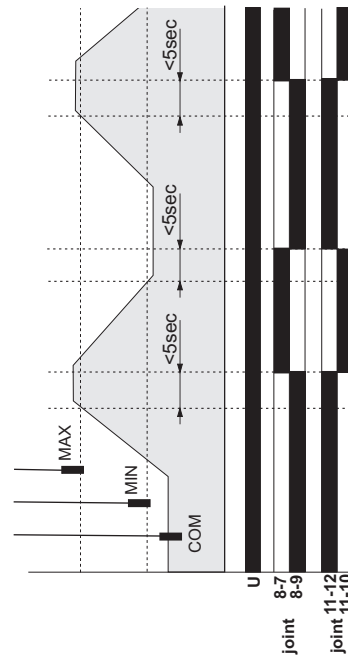
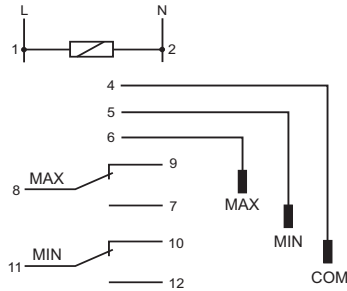
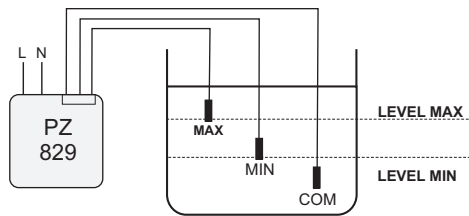
1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Connect power to joints 1-2 with marks.
4. Probe connect to relay by cable <1mm.
5. Assembly probe on the same level which controlled fluid.
6. In power system of emptying device connect in line joint of relay MAX (joints 8-7).
7. In power system of filling device connect in line joint of relay MIN (joints 11-12).

TECHNICAL DATA

supply	230V AC
current load	2×(<6A)
joint	2×(1P)
switching joints delay	<5sec
power supply	green LED
working mode	2×red LED
power consumption	1,1W
working temperature	-25+50°C
connection	screw terminals 2,5mm ²
dimensions	3 modules (52,5mm)
fixing	on rail TH-35
joints 4-5-6 galvanic separated	

flooding probe	acid-resistant steel electrode in a plastic box case with stuffing box
dimension of probe	R15, l=9,5cm
probe voltage	<6V~
probe current	<0,13mA
connection cable	e.g...DY 1mm ²

WIRING DIAGRAM



Diagram

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