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## PZ-829 RC

### FLUID LEVEL CONTROL RELAYS

#### two-position



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F&F products are covered by an 24 months warranty from date of purchase

#### PURPOSE

Fluid level control relays PZ-829 is devised to detect the presence of conductive liquids reaching the level of the sensor. It allow control MAX and MIN statuts set by user of controlled fluid.

#### 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).
8. By knob set sensivity.

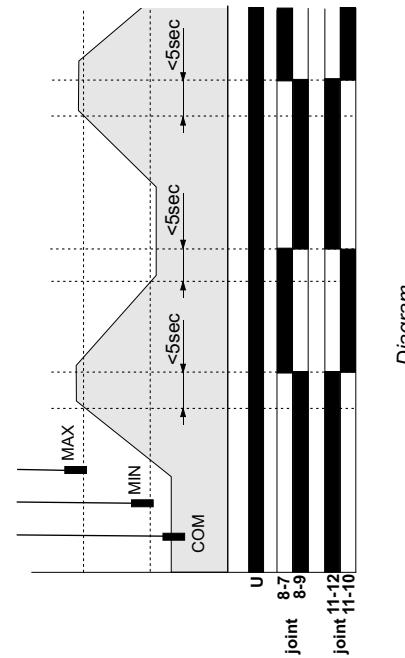
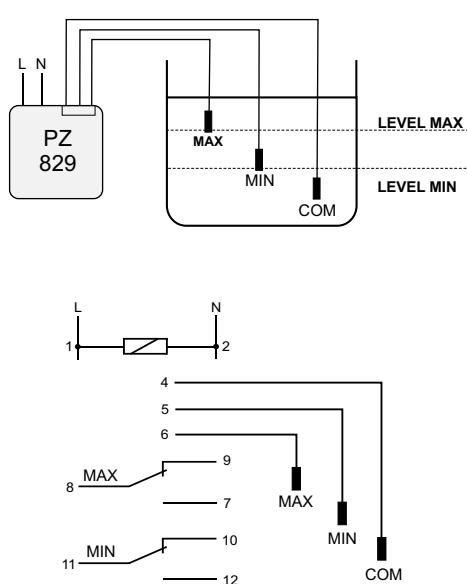
#### TECHNICAL DATA

supply	230VAC
current load	2×(<6A)
joint	2×(1P)
sensivity - to set	1+100KΩ
switching joints delay	<5sec
power supply	green LED
working mode	2×red LED
power consumption	1,1W
connection	screw terminals 2,5mm <sup>2</sup>
dimensions	3 modules (52,5mm)
fixing	on rail TH-35

#### joints 4-5-6 galvanic separated

flooding probe	acid-resistant steel electrode in
	+ plastic box for electrode + gland PG9
dimension of probe	Ř15, l=9,5cm
probe voltage	<6V~
probe current	<0,13mA
connection cable	e.g. DY 1mm <sup>2</sup>

#### WIRING DIAGRAM



Diagram

A090812