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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 statuses 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 sensitivi.

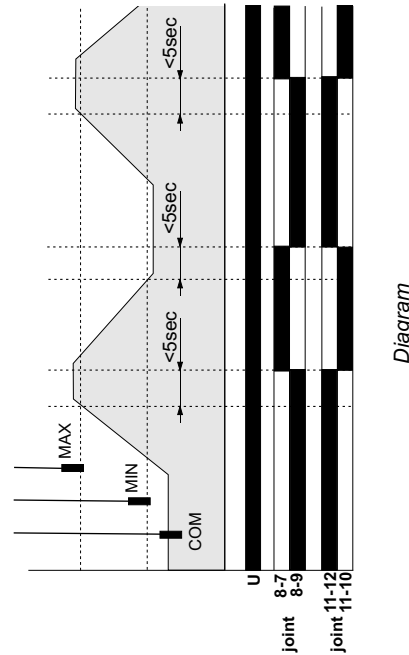
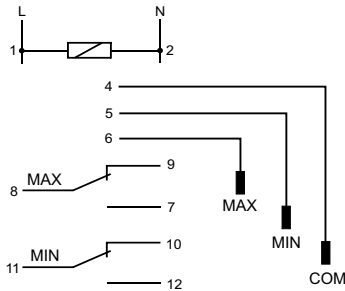
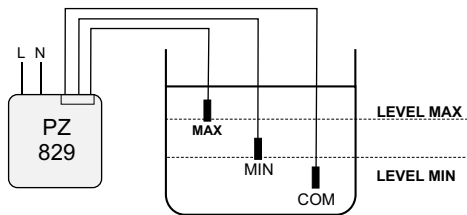
TECHNICAL DATA

| | |
|------------------------|------------------------------------|
| supply | 230V AC |
| current load | 2x(<6A) |
| joint | 2x(1P) |
| sensitivi - 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 ² |
| 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 | ∅15, l=9,5cm |
| probe voltage | <6V~ |
| probe current | <0,13mA |
| connection cable | e.g. DY 1mm ² |

WIRING DIAGRAM



A090812