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# PZ-829 RC B

## FLUID LEVEL CONTROL RELAYS
## two-position

5 908312 591498

www.fif.com.pl

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

### PURPOSE

*Fluid level control relay PZ-829 RC B is devised to detect the presence of conductive liquids reaching the level of the sensor. It allow control MAX and MIN statues 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 empting 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 sensiviti.*

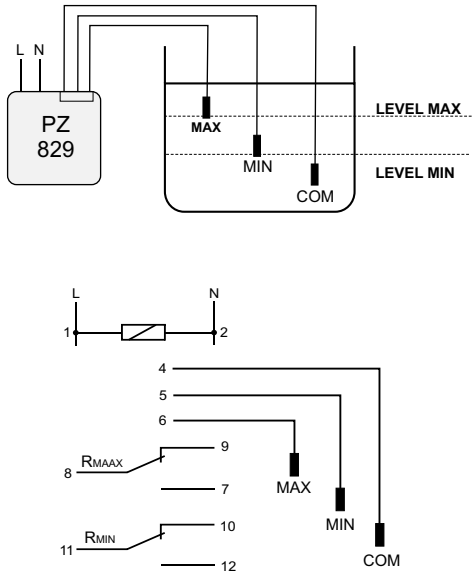
### TECHNICAL DATA

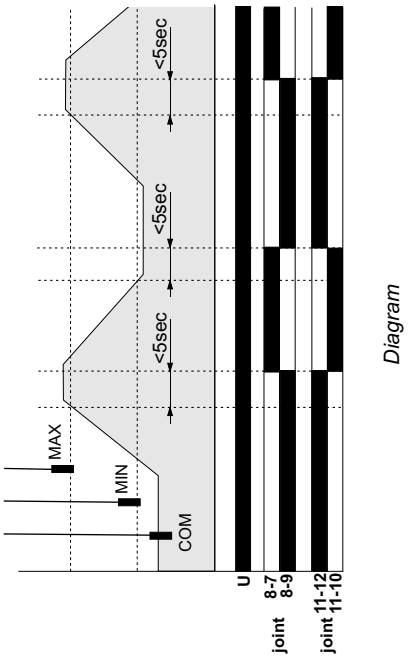
| | |
|---|---|
| *supply* | *230VAC* |
| *current load* | *2×(<6A)* |
| *joint* | *2×(1P)* |
| *sensiviti - to set* | *1÷100KΩ* |
| *switching joints delay* | *<5sec* |
| *power supply* | *green LED* |
| *working mode* | *2×red LED* |
| *power consumption* | *1,1W* |
| *connection* | *screw terminals 2,5mm²* |
| *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* | *Ř15, l=9,5cm* |
| *probe voltage* | *<6V~* |
| *probe current* | *<0,13mA* |
| *connection cable* | *e.g. DY 1mm²* |

### WIRING DIAGRAM




*Diagram*

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