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PZ-828 B

FLUID LEVEL CONTROL RELAYS

one-position



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

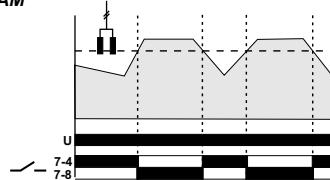
PURPOSE

Fluid level control relays PZ-828 B is devised to detect the presence of conductive liquids reaching the level of the sensor.

FUNCTIONING

In dry conditions, the relay's joint remains in the 7-4 position. Once the sensor becomes flooded with liquid, the red LED indicator lights up, and the contact is shifted to the 7-8 position. After the level of the conductive liquid decreases (and the electrodes of the flooding sensor depart), the joint returns to position 7-4.

DIAGRAM



ASSEMBLY

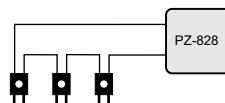
1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Connect power to joints 1-2 with marks.
4. When we extend cable of probe carly isolate place of connection that there wasn't current of short-circuit (flooding state fo relay). Probe cable connect to joints 5-6.
5. Assembly probe on the same level as controlled fluid.
6. In supply system of controlled receiver connect in line (series)joint of relay (joints 7-8).

TECHNICAL DATA

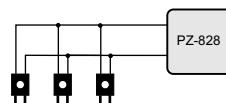
supply	230VAC
current load	<16A
joint	separate 1P
switching joints delay	<5sec
power supply	green LED
working mode	red LED
power consumption	1,1W
connection	screw terminals 2,5mm ²
dimensions	2 modules (35mm)
fixing	on rail TH-35
joints 5-6 galvanic separated	

Possibility of connection the probe

To input 5-6 can be connected 10 probes - in series or parallel:
- **series** - to dependent control system for fluid level in a many points - it must be the same short-circuit for all connected sensors to activation of relay



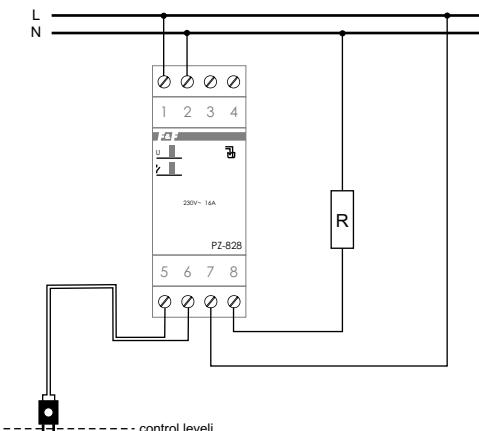
- **parallel** - Alternative control system for fluid level in a many points - must be at least one short-circuit, for any of the connected sensors. With the serial connection sensor sensitivity is reduced (decreasing conductivity).



ATTENTION!

The probe cable caouldn't be longer than 100m.

WIRING DIAGRAM



A090712