



- Water leak signalization
- Sensors with transistorized outputs - DZ1, DZ2 types
- Sensors with relay outputs - DZ3, DZ4 types
- Dedicated to systems with power supplies of 24VDC, 24 VAC
- DIN rail mounting

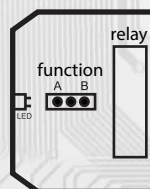
Sensors for flooding are intended to signal emergency situations, such as water leaks, in transformer stations, boiler rooms and such like. They are supplied with power of 24 V either DC or AC. The DZ1 and DZ2 types include output terminals of the open emitter type and eventually open collector. Signals can be connected to either positive or negative poles of the power supply. DZ3 and DZ4 types have a relay output of 250VAC/6A complemented by transistor outputs.

The sensors belong to the conducting category of sensors. The suitable electrode is connected to the input. If the sensor are joined by a conductive medium, the selected outputs are activated, a signal of the emergency condition is sent to the supervisory system and the red LED lights on the front panel.

### Basic technical data

Max. power (without load outputs)	max. 1VA
Resistance of the sensed liquid	max. 100 kΩ
Indication of flooding	red LED
Relay output	8A 250VAC / 24 VDC
Maximum switched power	2000 VA / 192 W
Minimum switching load	100 mA 5 VDC
Output Transistor Load (open collector)	max. 30V / max. 100 mA
Output Transistor Load (open emitter)	max. 100 mA
Range of recommended working temp.	-20 ÷ 60 °C
Range of recommended storage temp.	-20 ÷ 80 °C
Relative humidity	< 80 %
Protection type	IP20
Terminal board	max. 1,5 mm <sup>2</sup>
Casing dimensions	18 x 63 x 64 mm


Typ	Output	Power
DZ1	OUT C, OUT E	12 + 30 VDC
DZ2	OUT E	24 VDC, 24 VAC
DZ3	OUT C, OUT E, relay	24 VDC ±10%
DZ4	OUT E, relay	24 VDC, 24 VAC




The output function (ON/OFF) may be inverted by changing the position of the jumper.

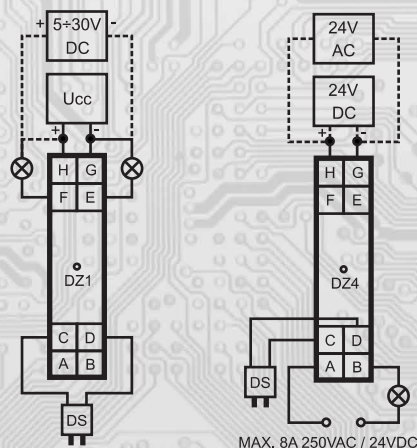
Position A: Outputs OUT E and OUT C are connected when the sensor is activated, the relay closes when the sensor is activated

Position B: Outputs OUT E and OUT C are disconnected when the sensor is activated, the relay opens when the sensor is activated.

 Position A: When flooded outputs are activated

 Position B: When flooded outputs are not activated

### Connection plan:



- H - +Ucc, positive pole
- G - common pole GND
- F - output open collector
- E - output open emitter
- C - input signal, positive pole
- D - input signal, negative pole (GND)
- A - contact relay
- B - contact relay