



- Water leak signalization
- Sensors with transistorized outputs - SZ1, SZ2 types
- Sensors with relay outputs - SZ3, SZ4 types
- Dedicated to systems with power supplies of 24 VDC, 24 VAC
- Direct wall 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 SZ1 and SZ2 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. SZ3 and SZ4 types have a relay output of 250VAC/6A complemented by transistor outputs.

The sensors are mounted in plastic cases for direct wall mounting.

Functions

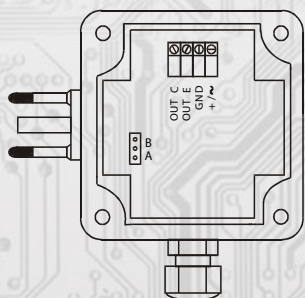
The sensors belong to the conducting category of sensors. When the electrodes that are located in the bottom part of the case of the sensor are joined by a conductive medium, the selected outputs are activated, a signal of the emergency condition is sent to the supervisory system and the red LED lights up inside the case.

Technical data

Transistor output current	max. 100 mA
Relay output	250 V AC/6A
Current consumption	< 20 mA
Ambient temperature	-40 to 80 °C
Relative humidity	< 80 %
Degree of protection	IP54
Casing dimensions	66 x 66 x 35 mm

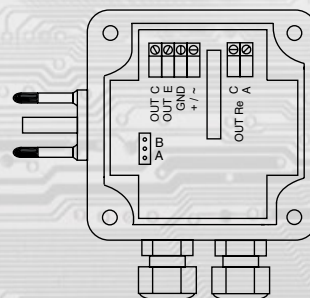
Type	Output	Power supplies
SZ1	OUT C, OUT E	12 – 30 VDC
SZ2	OUT E	24 VDC, 24V AC
SZ3	OUT C, OUT E, relay	24 VDC ± 10%
SZ4	OUT E, relay	24 VDC, 24VAC

Wiring diagram and dimensions of SZ1, SZ2



- Position A: When flooded outputs are activated
- Position B: When flooded outputs are not activated

Wiring diagram and dimensions of SZ3, SZ4



- Position A: When flooded outputs are activated
- Position B: When flooded outputs are not activated

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

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.

In the absence of the power supply then the relay will open.