

The FD-1 water flood detector is designed to be used in spaces where there is a risk of leakage from water installation. Approximately 4 seconds after the water level reaches the height at which the flood sensor electrodes are installed, the detector starts signaling flooding (the relay activates). A few seconds after the water level drops below the height at which the flood sensor electrodes are installed, the signaling stops (the relay deactivates).

Explanations for Fig. 1:

- 1 - terminals for connecting the flood sensor.
- 2 - pins for switching the indicator LED on/off. Signaling by means of the indicator LED is on, when jumper is placed on the pins.
- 3 - LED indicating the relay status. Its color is red when the relay is active.
- 4 - tamper contact, which responds to opening the housing and pulling it off from the surface.
- 5 - terminals:
 - +12V** – power input
 - COM** – common ground
 - TMP** – tamper contact
 - NC** – relay (NC)

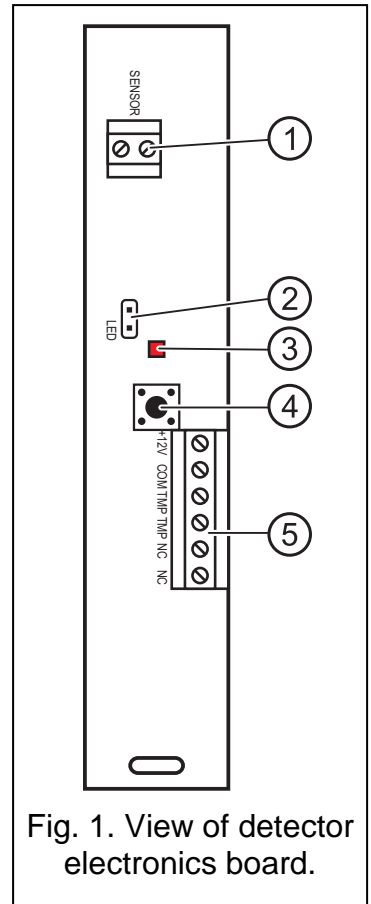


Fig. 1. View of detector electronics board.

The detector is monitoring power supply voltage. In case of a prolonged voltage drop below 9 V ($\pm 5\%$), it will signal trouble by activating the alarm relay and steady lighting of the LED indicator. Restoration of minimum 9 V ($\pm 5\%$) voltage will stop the trouble signaling.

The detector is suitable for use in burglary and panic alarm systems.

1. Installation

The detector is designed for indoor installation.

1. Select the place where the detector is to be installed.
2. Open the housing.
3. Make a hole for the flood sensor wires in the housing.
4. Pass the flood sensor wires through the hole in the housing and screw them to the terminals on electronics board.
5. Secure the rear panel of the housing to the mounting surface.
6. Close the detector housing.
7. Test the detector for proper operation, by submerging the flood sensor in water.
8. Fasten the sensor cables and the sensor itself. The detector is ready for work.

2. Technical data

Rated supply voltage	12 V DC ($\pm 15\%$)
Current consumption, standby	2,5 mA
Current consumption, maximum	4 mA
Probe wire length	3 m
Environmental class	II
Working temperature range	-10 °C...+55 °C
Housing dimensions.....	24 x 110 x 27 mm
Weight.....	81 g

The latest EC declaration of conformity and product approval certificates are available for downloading on website www.satel.pl



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