

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 (relay contacts open). A few seconds after the water level drops below the height at which the flood sensor electrodes are installed, the signaling stops (relay contacts close).

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. It lights red when the relay is open.
- 4 - tamper contact (NC). It opens when the cover is removed or the enclosure is torn off from the wall.
- 5 - terminals:
  - +12V** – power input
  - COM** – common ground
  - TMP** – tamper contact
  - NC** – relay (NC)

The detector is monitoring power supply voltage. In case of a prolonged voltage drop below 9 V ( $\pm 5\%$ ), relay contacts open. After restoration of minimum 9 V ( $\pm 5\%$ ) voltage, relay contacts will close.

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

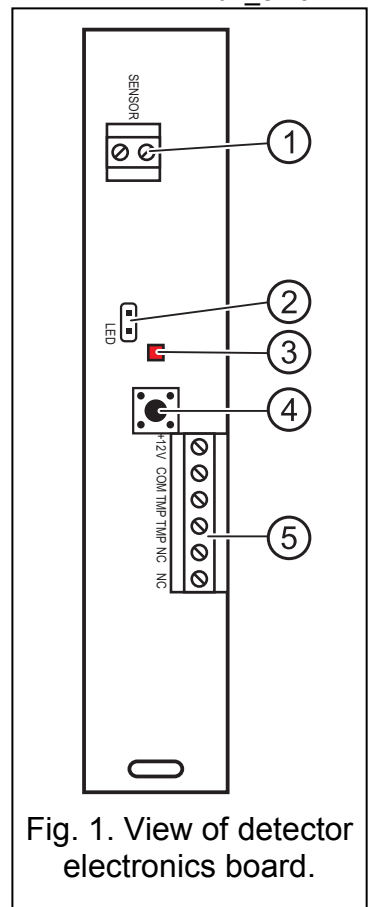


Fig. 1. View of detector electronics board.

## 1. Installation

The detector is designed for indoor installation.

1. Select the place where the detector is to be installed.
2. Open the enclosure.
3. Make a hole for the flood sensor wires in the enclosure.
4. Pass the flood sensor wires through the hole in the enclosure and screw them to the terminals on electronics board.
5. Secure the enclosure base to the mounting surface.
6. Close the detector enclosure.
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. Specifications

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Supply voltage .....	12 V DC ( $\pm 15\%$ )
Current consumption, standby .....	2,5 mA
Current consumption, maximum .....	4 mA
Relay contacts rating (resistive load) .....	40 mA / 16 V DC
Probe wire length .....	3 m
Environmental class .....	II
Working temperature range .....	-10 °C...+55 °C
Enclosure dimensions .....	24 x 110 x 27 mm
Weight.....	81 g

**The declaration of conformity may be consulted at [www.satel.eu/ce](http://www.satel.eu/ce)**

SATEL sp. z o.o.  
ul. Schuberta 79  
80-172 Gdańsk  
POLAND  
tel. + 48 58 320 94 00  
[info@satel.pl](mailto:info@satel.pl)  
[www.satel.pl](http://www.satel.pl)