



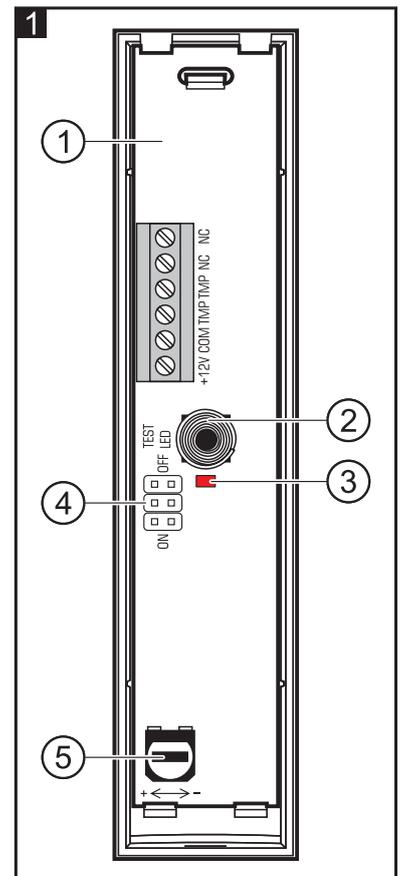
The MAGENTA detector enables detection of plate, tempered or laminated glass breaking. The detector will report the alarm when a low frequency sound (impact) followed by a high frequency sound (glass-break) are registered. The high-frequency channel is analyzed for four seconds from receiving the low-frequency sound wave.

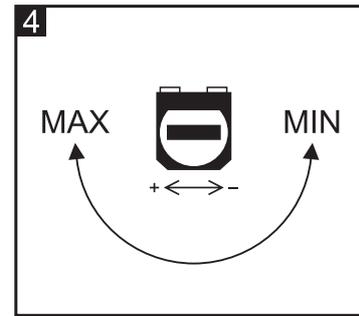
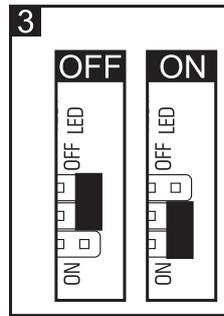
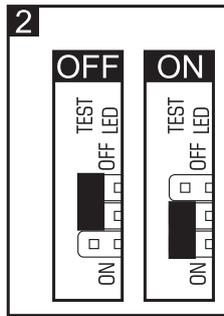
## 1. Features

- Advanced dual path signal analysis.
- Stepless regulation of detection sensitivity.
- Low supply voltage signaling (voltage drop below 9 V  $\pm$ 5%).
- LED indicator.
- Tamper protection in 2 ways – cover removal and tearing enclosure from the wall.

## 2. Electronics board

- ① terminals:
  - +12V** - power input +12 V DC ( $\pm$ 15%);
  - COM** - common ground;
  - TMP** - tamper output (NC),
  - NC** - alarm output (NC).
- ② tamper contact.
- ③ red color LED to indicate
  - detection of low-frequency sound – ON for 0,5 seconds;
  - alarm – ON for 2 seconds;
  - test mode – short flash every 3 seconds;
  - low supply voltage – ON.
- ④ detector configuration pins:
  - TEST** – enabling/disabling the test mode. In the test mode, the detector reports an alarm when it detects a high frequency sound. The INDIGO TESTER is recommended to test the detector. The test mode is enabled when the jumper is set in ON position (Fig. 2).
  - LED** – enabling/disabling the LED indicator. The LED indicator is enabled when the jumper is set in ON position (Fig. 3).
- ⑤ potentiometer for the adjustment of detection sensitivity (Fig. 4).





### 3. Installation



**Disconnect power before making any electrical connections.**

The detector should be installed indoors, in spaces with normal air humidity. The protected glass surfaces must be within the detector operating range. Please note that shades, curtains, furniture upholstery, acoustic tiles, etc. absorb the sound and adversely affect the detector operating range.

1. Open the detector enclosure.
2. Make the opening in the enclosure base for the cable.
3. Pass the cable through the prepared opening.
4. Using wall plugs (screw anchors) and screws, fasten the enclosure base to the mounting surface.
5. Configure the detector using jumpers and the potentiometer.
6. Connect the wires to the corresponding terminals on the electronics board.
7. Close the detector enclosure.

### 4. Specifications

Supply voltage .....	12 V DC $\pm$ 15%
Standby current consumption .....	5 mA
Maximum current consumption .....	10 mA
Relay contacts rated load (resistive) .....	40 mA / 16 V DC
Alarm signaling time.....	2 s
Detection range.....	up to 6 m
Environmental class according to EN50130-5 .....	II
Operating temperature range.....	-10...+55 °C
Enclosure dimensions .....	24 x 110 x 27 mm
Weight.....	40 g

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

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