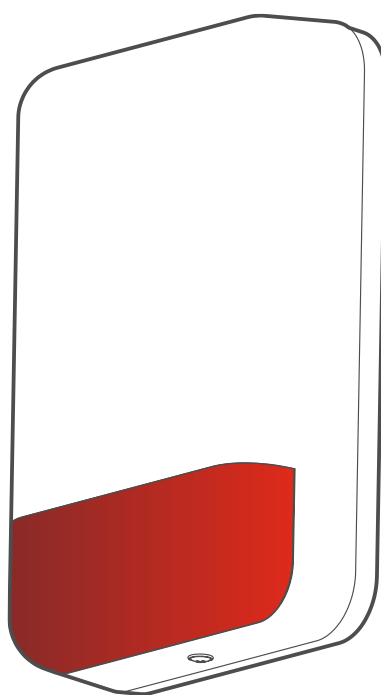Optical-acoustic siren
SPL-2010

CE

IMPORTANT

The device should be installed by qualified personnel.

Prior to installation, please read carefully this manual.

Changes, modifications or repairs not authorized by the manufacturer shall void your rights under the warranty.

SATEL aims to continually improve the quality of its products, which may result in changes in their technical specifications and software. Current information about the changes being introduced is available on our website.
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The declaration of conformity may be consulted at www.satel.pl/ce

The following symbols may be used in this manual:

i - note;

⚠ - caution.

CONTENTS

The SPL-2010 siren provides information about alarm situations by means of optical and acoustic signaling. It is designed for outdoor installation. This manual applies to the siren with electronics version 1.7.

1. Features

- Acoustic signaling by means of sounder.
- Three selectable tones for acoustic signaling.
- Optical signaling by means of LEDs.
- Weatherproofed electronic circuit.
- Tamper protection against enclosure opening, removing from mounting surface and flooding of the sounder with mounting foam.
- Inner cover of galvanized metal sheet.
- High-impact polycarbonate enclosure, featuring a very high mechanical strength.

2. Description
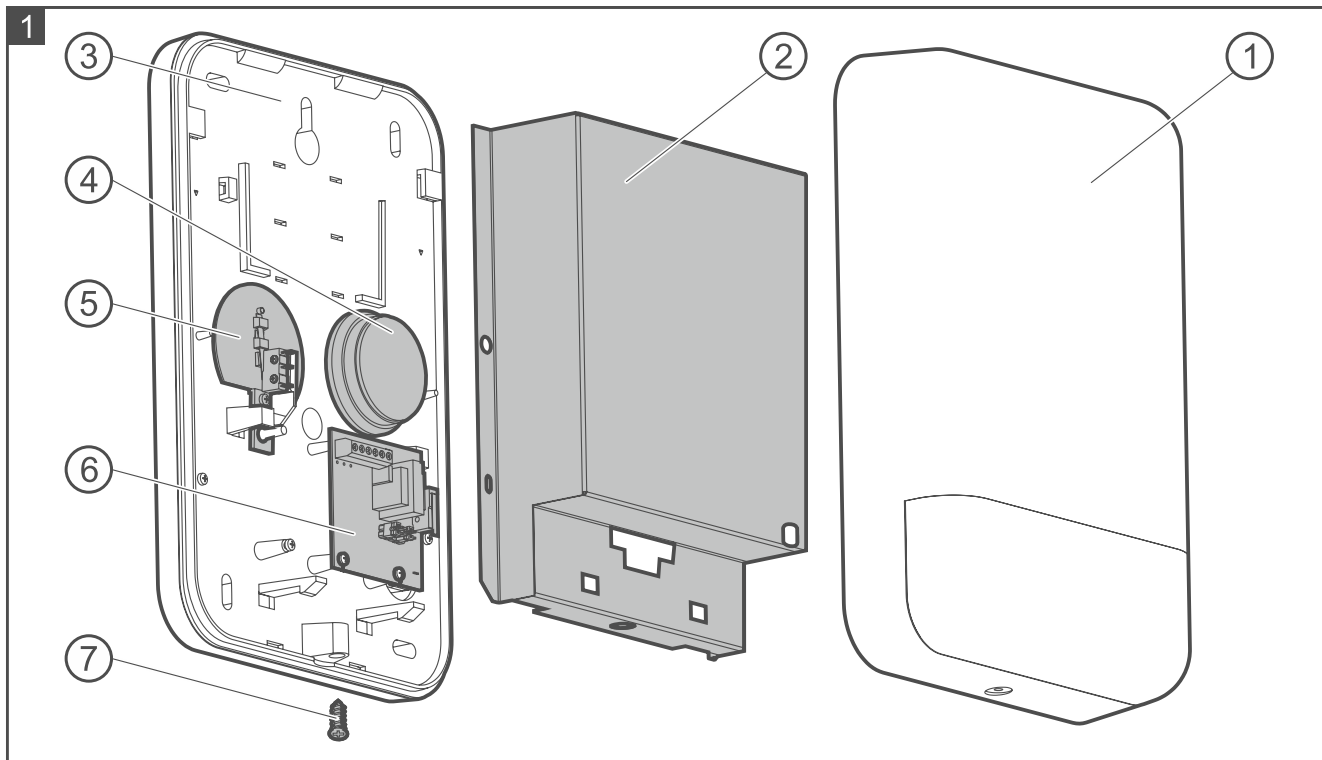
(1) enclosure cover.

(2) inner metal cover.

(3) enclosure base.

(4) sounder.

(5) anti-foam detector.

(6) electronics board.

(7) cover locking screw.

Terminals

+SO- - input to trigger the optical signaling. The signaling will be triggered after +12 VDC voltage is applied to terminal "+" and 0 V voltage (common ground) is applied to terminal "-".

+SA- - input to trigger the acoustic signaling. The signaling will be triggered after +12 VDC voltage is applied to terminal "+" and 0 V voltage (common ground) is applied to terminal "-".

TMP - tamper output (NC). Connect one terminal to the control panel zone programmed as tamper, and the other to the control panel common ground.

Pins for selecting acoustic signal

Fig. 2 shows the jumpers settings for each selectable siren tone: **A** – tone 1, **B** – tone 2, **C** – tone 3.
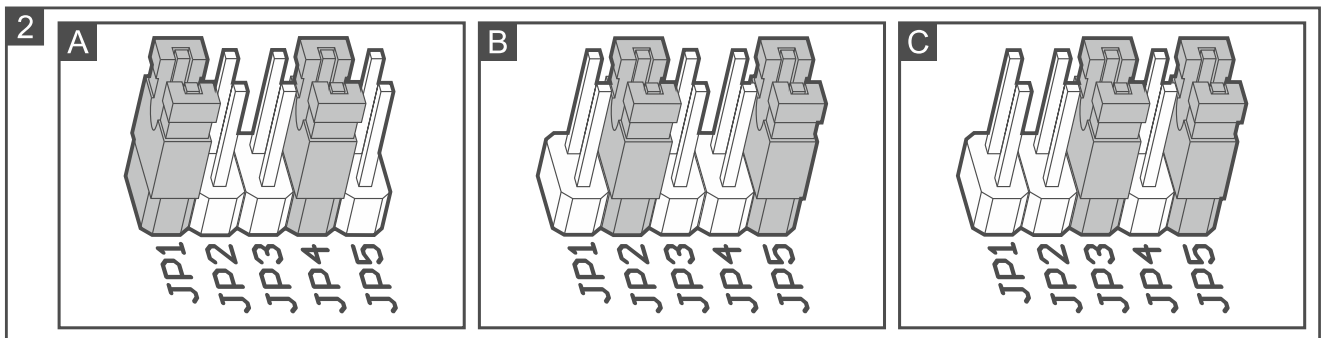
Enclosure base
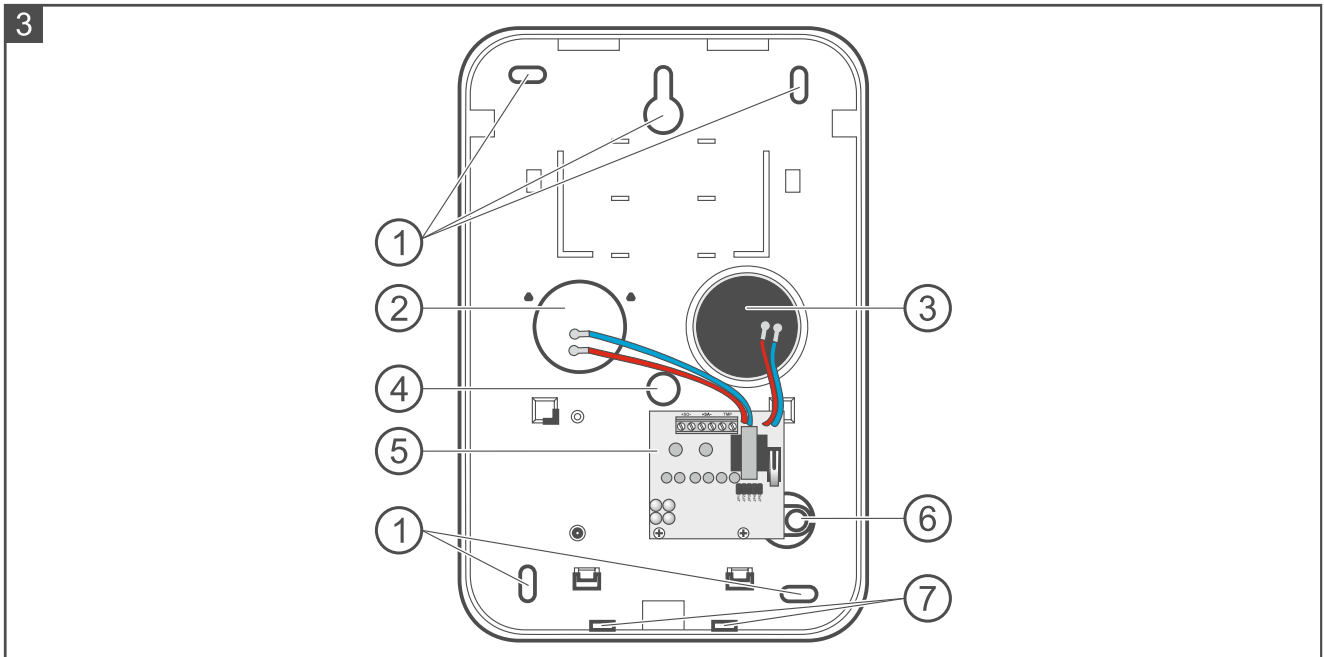
(1) mounting holes.

(2) anti-foam detector.

(3) sounder.

(4) opening for wires.

(5) electronics board.

(6) tamper element with mounting hole.

(7) water drain holes (do not plug).

3. Installation and start-up

⚠️ **Power down the control panel before connecting the siren to the control panel.**

The siren must be installed on the wall, high above the floor, at a hard to access location, so as to minimize the risk of tampering. Leave a space above the siren – at least 4.5 cm between the siren and the ceiling or other object. Otherwise, it will be impossible to replace the cover.

1. Remove the cover locking screw.
2. Lift up the enclosure cover and remove it (Fig. 4).
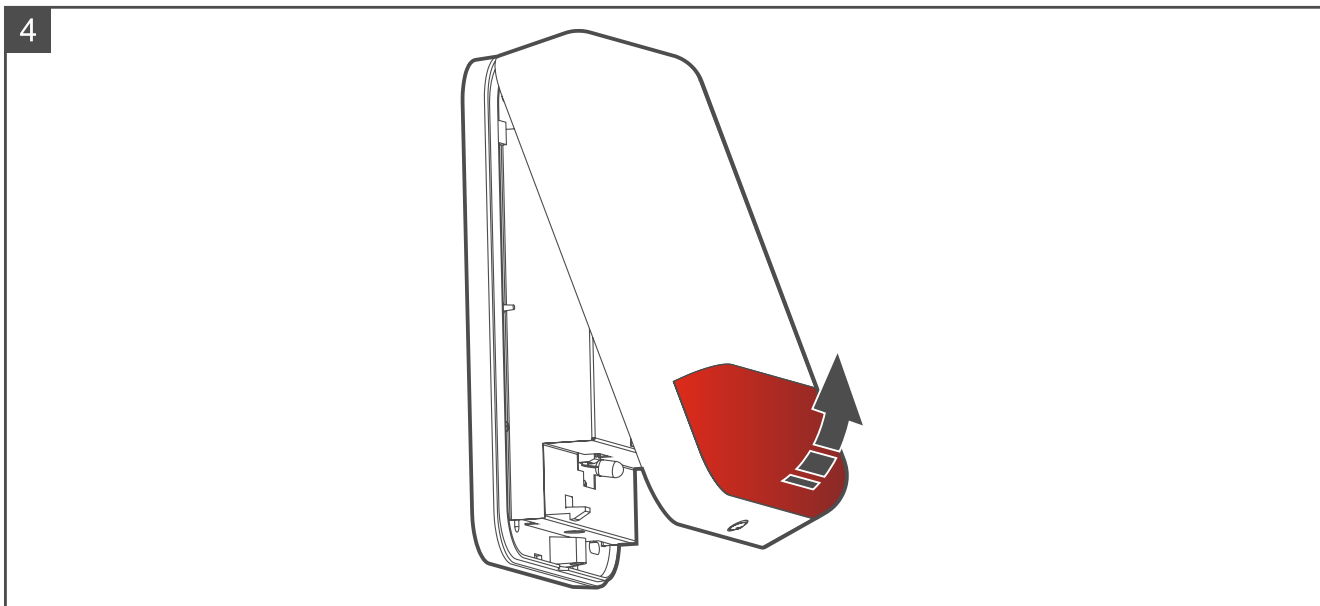
3. Pull aside the mounting catches of the inner metal cover and remove it.
4. Place the enclosure base on the wall and mark the location of mounting holes (Fig. 3). Remember to take into account the mounting hole for tamper protection.
5. Drill the holes for wall plugs (anchors).
6. Run the wires through the opening in the enclosure base (Fig. 3).
7. Use wall plugs (anchors) and screws to secure the enclosure base to the wall. Remember about the mounting hole for tamper protection. Select appropriate wall plugs based on the type of the mounting surface (different for concrete or brick wall, different for plaster wall, etc.).
8. Connect the siren terminals to the control panel terminals using wires.

   *i* *Some alarm control panels may require that a resistor R (approx. 1 kΩ) be connected between the +SA- terminals in the siren (Fig. 3). Otherwise, the siren may produce a buzzing sound when inactive (if there is no buzzing, the resistor is not required).*

9. Use jumpers to select the tone (Fig. 2).
10. Replace the inner metal cover.
11. Replace the siren cover and lock it with the screw.
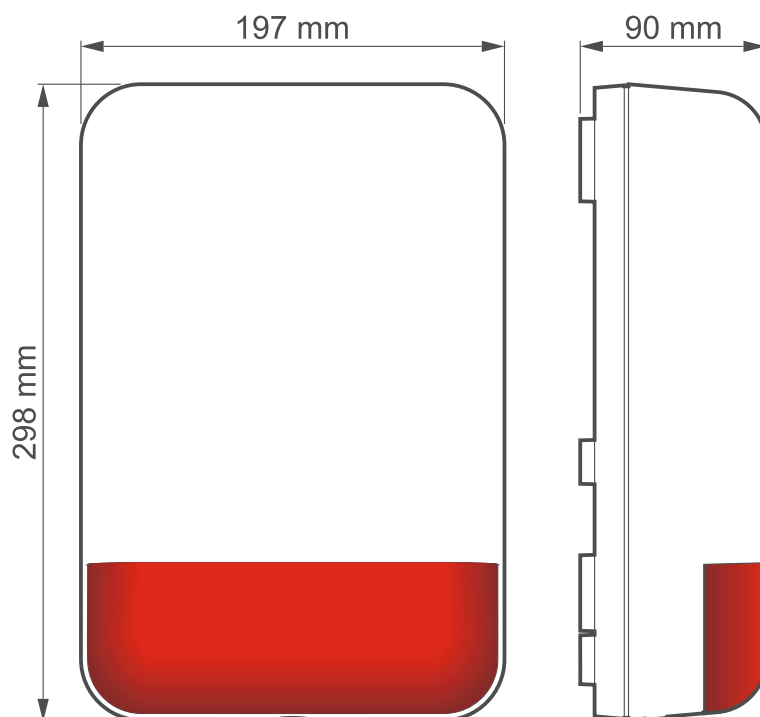12. Power on the control panel.

i | *After the siren is mounted, it is recommended to seal the mounting holes and cable entry hole with silicone paste.*
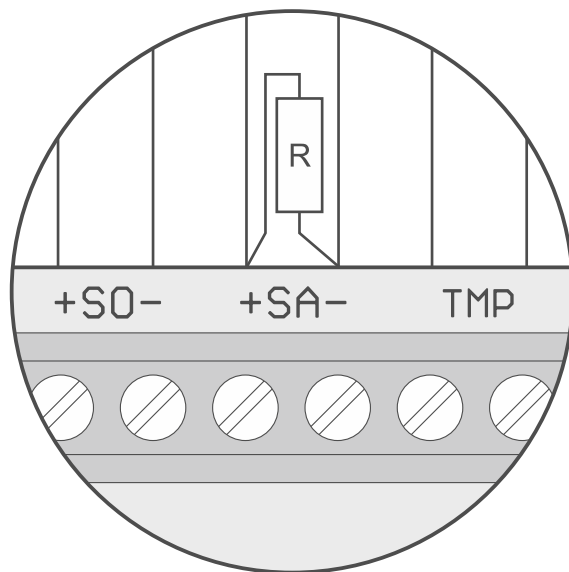
4. Specifications

Supply voltage .... 12 VDC ±15%

Maximum current consumption:

    optical signaling ....35 mA

    acoustic signaling ....250 mA

    optical and acoustic signaling ....300 mA

Sound pressure level (at 1 m distance) ....up to 120 dB

Environmental class according to EN 50130-5 III

Operating temperature range..-35°C...+55°C
Maximum humidity ....93±3%
Dimensions .... 298 x 197 x 90 mm
Weight... 1,22 kg