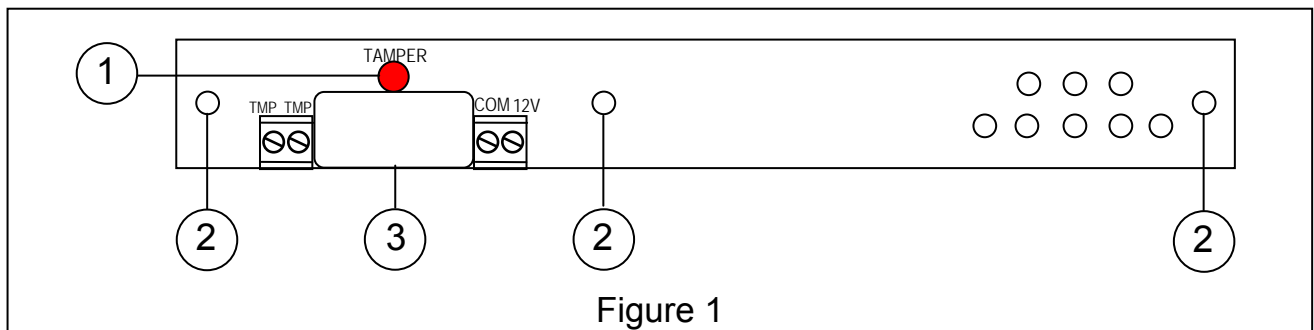


The SPL-TO is a device intended to detect an attempted covering the piezoelectric transducer in sirens with mounting foam. It is designed for use together with the following sirens of SATEL's manufacture (SPL type):

SPL-2030, SPL-5010, SPL-5020.

Operation of the SPL-TO is based on the infrared barrier principle. The optical system consists of the transmitting part and the receiving part. The transmitting diode sends a beam of IR radiation in pulse mode to the receiving diode. If there is an obstacle on the path of IR beam, the detector opens the relay contacts and lights up the TAMPER LED. The detector can be used for making an independent tamper circuit.

1. Description of the Detector



Explanations for Figure 1:

- 1 - TAMPER LED (red). The LED is ON if there is no communication between the transmitting and receiving LEDs. The LED lights up approx. 2 seconds after the infrared beam was interrupted, and goes out immediately after removal of the obstacle.
- 2 - mounting holes.
- 3 - relay.

Description of terminals:

- TMP** - tamper contact terminals.
- 12V** - power supply input.
- COM**- common ground.

2. Installation of the Detector

Caution: Before starting hook-up of the optical tamper detector to the already existing system, it is recommended that the whole system be deenergized.

1. Screw down the SPL-TO board to the siren housing base (from outside).
2. Connect power supply cables to the terminals COM and 12V.
3. Cut the TMP terminals in the tamper circuit of alarm control panel. It is also possible to connect the tamper circuits of the SPL-TO and the siren.

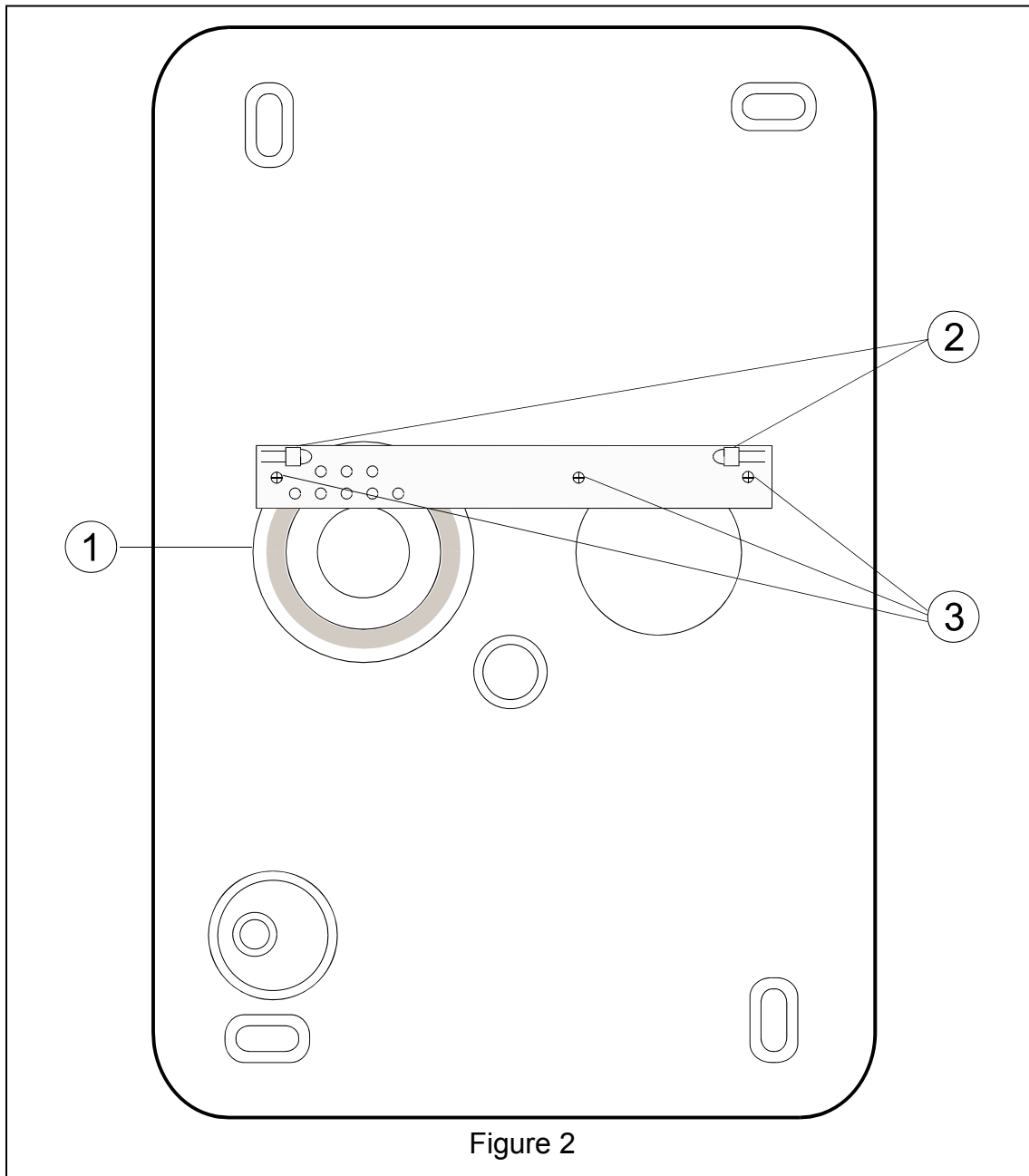


Figure 2

1. piezoelectric transducer.
2. fixing screws.
3. infrared barrier.

3. Specifications

| | |
|----------------------------------|------------------|
| Supply voltage | 12V DC \pm 15% |
| Current consumption..... | approx. 50 mA |
| TMP output | 50 mA / 12 V DC |
| Operating temperature range..... | -35...+55°C |
| Dimensions | 140 x 17 mm |

The declaration of conformity may be consulted at www.satel.eu/ce