

SX6-TO

OPTICAL ANTI FOAM DETECTOR

sx6-to_en 10/14

The SX6-TO anti foam detector detects an attempt of damping the siren with acoustical signaling with PUR foam. The detector is dedicated to be mounted in Satel's SD-6000 outdoor siren.

Note: The SX6-TO detector can only be installed in the SD-6000 sirens manufactured after 1 August 2014.

1. Electronics board

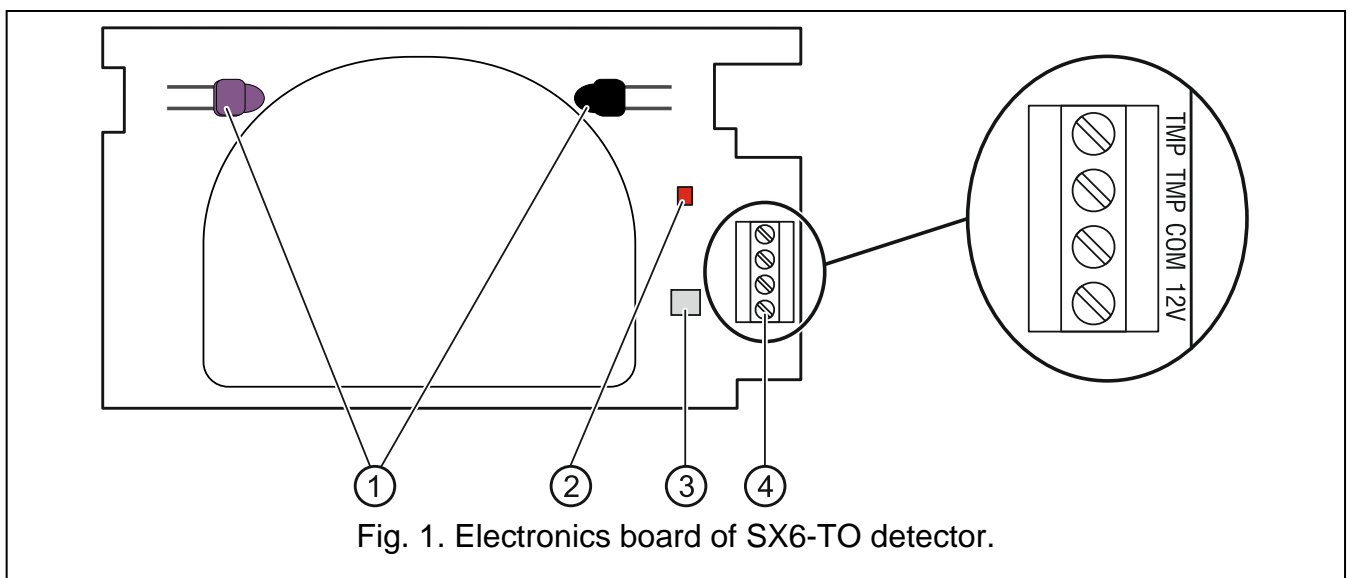


Fig. 1. Electronics board of SX6-TO detector.

- ① transmitter and receiver diodes.
- ② LED (red). The LED is ON when there is no communication between the transmitter and receiver diodes. It goes on about 2 seconds after the infrared beam is broken, and goes off immediately after the obstacle is removed.
- ③ relay.
- ④ terminals:
 - TMP** - tamper output (relay output).
 - COM** - common ground.
 - 12V** - power input.

2. Installation



Disconnect power before making any electrical connections.

1. Insert the SX6-TO board into its holders in the enclosure base of the siren.
2. Connect power cables to the 12V and COM terminals.
3. Connect the TMP terminals in series with the tamper switch of the siren.

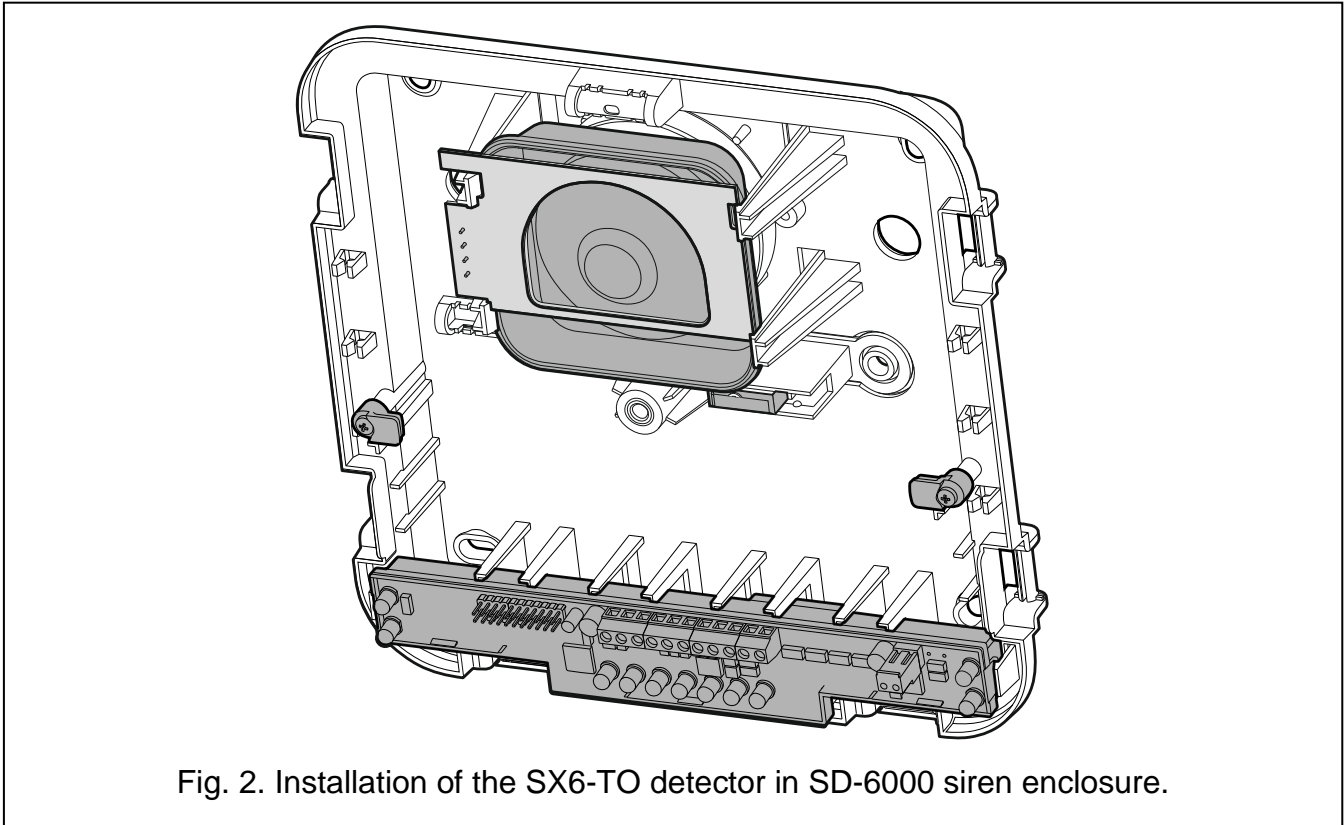


Fig. 2. Installation of the SX6-TO detector in SD-6000 siren enclosure.

3. Specifications

Supply voltage	12 V DC \pm 15%
Standby current consumption	35 mA
Maximum current consumption	45 mA
TMP output rating	40 mA / 16 V DC
Environmental class according to EN50130-5	III
Operating temperature range	-25°C ...+55°C
Maximum humidity	93 \pm 3%
Dimensions	97x53 mm
Weight.....	12 g

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