



## SAW-6102 CONVENTIONAL ACOUSTIC SOUNDER

### Overview

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Conventional SAW-6102 acoustic sirens are intended for acoustic fire signalling. They can cooperate with all fire alarm control panels, ensuring proper supply voltage at their outputs. They have the ability to synchronize the emitted acoustic signals within a group of signallers working in one acoustic area.

### Principle of operation

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After connecting the supply voltage to the appropriate terminals, the SAW-6102 siren starts to operate and signals the fire alarm by playing the selected sound pattern and cyclically blinks with red diodes. At the same time, it monitors the status of the synchronizing line so as to preserve the sound synchronization with other sirens installed in the common acoustic area. The emitted sound level is unchanged throughout the range of acceptable tolerance of the rated voltage of the signalling devices.

The operating mode of the siren is set by means of a sliding switch consisting of eight sections, used to select: the type of tone (16 sound patterns), sound volume (4 levels), mode of volume increase (maximum or smoothly increasing) and synchronization of signalling devices.

### Design

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The electronic circuits of the signalling device with a piezo-electric transducer have been placed in an enclosure made of red flame-retardant material. The siren is installed using the G-40S base, also made of non-flammable material. The base is supplied together with a siren. For the installation wires connection, in the base there is a connector with screwless terminals. The terminal has six terminals for connecting wires: two for power line input, two for power line output, two for synchronization and muting using an additional button.

### Technical specifications

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Power supply	from 16 to 32.5 V
Current consumption	≤ 50 mA
Sound level	up to 103 dB
Operation temperature range	from -25°C to +55°C
Ingress protection	IP 21C
Dimensions (with base)	∅ 115 x 71 mm
Mass	0.22 kg

### Note

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The CNBOP-PIB, Notified Body No. 1438, has issued for the product the certificate of constancy of performance confirming the possession of technical features / parameters required by EN 54-3:2001 + A1:2002 + A2:2006.

Possessed features / technical parameters exceeding the requirements of those listed standards and other product features / parameters given in this datasheet that are not specified by the mentioned above standards are confirmed by the Manufacturer. The product has an approval certificate issued by CNBOP-PIB.

The manufacturer has issued a declaration of performance for the product.