



SAB-3001/SAB-3006 ADDRESSABLE SOUNDER BEACONS

Purpose

SAB-3001/SAB-3006 addressable sounder beacons are intended for acoustic and optical fire alarm signaling, by tone (SAB-3001) or voice (SAB-3006). They can operate in addressable detection lines/loops of POLON 3000 fire alarm control panels.

They are activated upon a command sent by the control panel, after performing the programmed activation criteria, e.g. fire detection in the selected detection zone, general alarm at the control panel, etc.

Principles of operation

SAB-3001/SAB-3006 signaling devices for correct operation, require simultaneous presence of two supply sources:

- from the detection line/loop,
- from external power supply.

The presence of power sources is monitored and their failure signaled by the cooperating control panel and yellow LED diodes on device housing. The level of the emitted sound does not change depending on how it is powered. It is possible to select one of three signal volume levels.

The address of devices is encoded automatically from the control panels - the address code is saved in their non-volatile memory. SAB-3001/SAB-3006 signaling devices are equipped with internal short circuit isolators.

The SAB-3006 signaling device, in the alarm state, will activate one of the alarm sequences selected when configuring warning signals (warning signal – silence – voice message - silence) and flashed red LEDs cyclically, while supervising the state of acoustic synchronization with other signaling devices located in the POLON 3000 network.

It is possible to select one of 16 standard sequences warning signals. There is also the possibility of individual programming your own sequences, using dedicated software. If the voice message is not set, the sequence will consist only acoustic signal. There is no possibility of programming voice warning sequences in SAB-3001 signaling device.

Design

The electronic components, with piezoelectric transducer and a LED with a lens on his forehead, were placed in a housing with red flame resistant material. SAB-3001 and SAB-3006 signaling devices are installed in G-40S base, also made of flame resistant plastics.

The G-40S base is supplied together with signaling devices. It contains a terminal block with screwless fasteners clamps for connecting installation cables. There is a terminal block with six terminals, two pairs marked "+" and "-" as input and output of detection line/loop output and two terminals for connecting the external power supply.

SAB-3001 and SAB-3006 signaling devices are available in below mentioned variants:

Type	Acoustic type	Recommended height of installation	Light colour	Colour of housing
SAB-6001-3RR	Tone	3 m	Red	Red
SAB-6001-6RR		6 m		
SAB-6001-6WR		6 m	White	
SAB-6001-3RW		3 m	Red	
SAB-6001-6RW		6 m		
SAB-6001-6WW		6 m	White	
SAB-6006-3RR	Voice	3 m	Red	Red
SAB-6006-6RR		6 m		
SAB-6006-6WR		6 m	White	
SAB-6006-3RW		3 m	Red	
SAB-6006-6RW		6 m		
SAB-6006-6WW		6 m	White	

Technical specifications

Operating voltage from loop	16.5 ÷ 24.6 V
Operating voltage from power supply	9.6 ÷ 30.0 V
Current consumption from the detection line	≤ 150 µA
Current consumption from power supply 12 V (9.6 ÷ 16.0 V)	≤ 280 mA
Current consumption from power supply 24 V (16.0 ÷ 30.0 V)	≤ 170 mA
Current consumption from power supply In quiescent mode	< 10 mA
Frequency of flashing (beacon)	0.5 Hz
Time of flashing (beacon)	0.2 s
Sound level	up to 103 dB
Operating temperature range	from -25 °C to +55 °C
Ingress protection	IP 21C
Dimensions (with base)	∅ 115 x 94 mm
Mass	< 0.26 kg

Note

The product was issued by CNBOP-PIB, a notified body No. 1438, certificate of constancy of performance confirming possession of technical features/parameters required by the standards EN 54-3:2001 + A1:2002 + A2:2006, EN 54-17:2015 and EN 54-23:2010.

Features/technical parameters that exceed the requirements mentioned standards and others given herein product features/parameters not specified in the catalog card standards are confirmed by the Manufacturer.

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

 POLON-ALFA S.A.

POLAND 85-861 Bydgoszcz, Glinki 155 | www.polon-alfa.com

EXPORT DEP. phone no. +48 52 36 39 278, email: export@polon-alfa.pl

SERVICE DEP. phone no. + 48 52 36 39 390, email: serwis@polon-alfa.pl