



SAW-6001/SAW-6006 ADDRESSABLE ACOUSTIC SOUNDERS

Overview

Addressable acoustic sounders SAW-6001/SAW-6006 are designed for acoustic signalization of fire with tones (SAW-6001) or voice messages (SAW-6006). They are dedicated for operation in addressable detection lines of POLON 6000 and POLON 4000 system only.

They are activated by the control panel when all programmed criterion are fulfilled e.g. fire alarm in particular zone, general fire alarm etc.

Principle of operation

For the proper operation acoustic sounders SAW-6001/SAW-6006 requires two sources of power supply:

- from the detection line,
- from 9 V battery type 6LR61 (putted inside the sounder) or external power supplier.

Both sources of power supply are monitored by the control panel and if any faults appears it is automatically indicated by the panel and with yellow blinks of sounder's LED indicators. The sound level is independent form the voltage value. There is a possibility to choose one out of three sounder's volume level.

SAW-6006 being in fire condition plays one, chosen warning sequence (warning tone – silence voice message – silence) and blinks with three red LEDs. There is a possibility to choose one out of sixteen standard warning sequences and also to prepare own using dedicated software. If none of voice message is chosen, the warning sequence consist with warning tone only. SAW-6001 sounder has no possibility to program any warning sequences.

Addressing of the sounder can be made automatically by the control panel – the address is stored in sounder's non-volatile memory. Sounders are equipped with short circuit insulator.

Design

Electronic circuits with piezoelectric sounder are fitted into red housing made with flame retardant material. Inside the housing there is a place to put and connect 9 V battery. The sounder is installed in G-40S base which is made with the same material and which is a kit with the sounder. There is a screwless connector inside the base for connection of wires. There is six connectors: two pairs marked as "+" and "-" for connection of detection loop (input and output) and two for optional external power supplier.

Technical specifications

Power supply (from the detection line)	from 16.5 to 24.6 V DC
External power supply voltage	from 9.6 to 30 V DC
Current consumption from detection line	≤150 μA
Current consumption from battery	≤150 mA
Current consumption from ext. power supplier at 24 V	≤50 mA
Operation time with 9 V:	
- in quiescent condition	from 2 to 5 years
- in alarm condition	min 3h
Sound level	max 103 dB
Operation temperature range	from -25 °C to +50 °C
Protection marking	IP 21C
Dimensions (with base)	∅ 115 x 70 mm
Mass	0.2 kg
Other parameters	acc. PN-EN 54-3