

# ALGORITHMIC SOUNDER

## AE/SA-SB

### Description

The AE / SA-SB device is a siren to connect to the algorithmic loop, which has the following characteristics:

- Connection based on AE / SA-ZB2 algorithmic system detectors.
- Includes base for insertion of algorithmic detectors of the SA series of Aguilera: AE / SA-OP, AE / SA-OPT and AE / SA-T
- Algorithmic loop connection, occupying 1 direction. Fully programmable as an independent output, associated to the detector connected to it, to the zone or sector.
- Microprocessed tone generator, independent of communications.
- NFS, ISO 8201 and BF tones.
- Acoustic characteristics:
  - Piezoelectric resonant with MOS-FET driver optimized to achieve greater acoustic power with lower consumption.
  - Two volume levels, selectable by dilswitch.
  - 8 acoustic ringtones selectable by dilswitch. Up to 16 ringtones available.
- Function test via selector on dilswitch.
- Monitoring of supply voltage in algorithmic loop, with low level fault indication.
- Status indicator LED in algorithmic loop.
- Sounder certified EN 54-3.



Example: AE/SA-OPI detector + AE/SA-SB sounder

### Allocation of dilswitch

Selector	Function
1	Volume Off (Low) – On (High)
2-3-4-5	Tone selection
8	Function test. ON activated

TECHNICAL CHARACTERISTICS	CERTIFICATIONS
Supply voltage: 18 ~ 27 V (Algorithmic loop card AE/SA-CTL). Consumption in standby: 1,1 ~ 1,3 mA (depending on configuration dilswitch) Consumption in alarm: 2,8 ~ 9,0 mA (depending on tone & volume selected) Maximum sound power: 86 dB(A) max@1m (depending on tone & volume selected) Temperature range: -10° - +50° C (room temperature) Range of humidity: Max. 95 % - non-condensing Tone & volume selection: DIP switches Dimensions with base: Ø 104 mm height with base 40 mm Material: ABS IP degree of protection: IP21C Weight: 110g	0099/CPD/A74/0223  