

# SOUNDER ALGORITHMIC LOOP WITH ISOLATOR

## AE/SA-AS1A

### Description

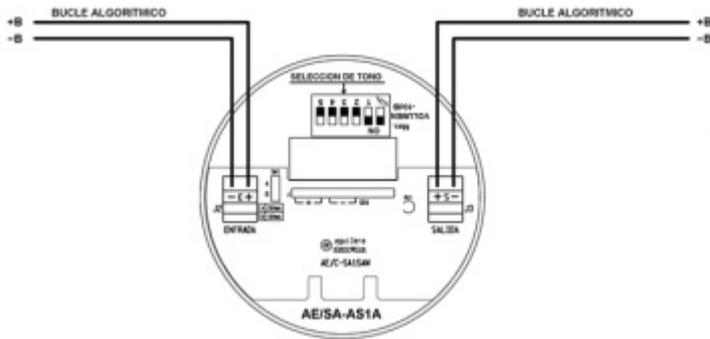
Low consumption acoustic sounder for indoor use, and integrated bidirectional isolating circuit, designed to be used with AGUILERA ELECTRONICA algorithmic fire detection plants.

The sounder is personalized in the Algorithmic Central with the name of the area where it is installed. Each sounder incorporates a module that identifies it individually with a number within the installation loop. This number is stored in EEPROM memory so it is maintained even if the sounder is without power for a long time.

It does not need auxiliary power for its operation, being fed from the algorithmic loop itself



### Wiring Schematic



Before installing, it is necessary to code the address that the siren will occupy within the algorithmic loop (see Equipment Coding).

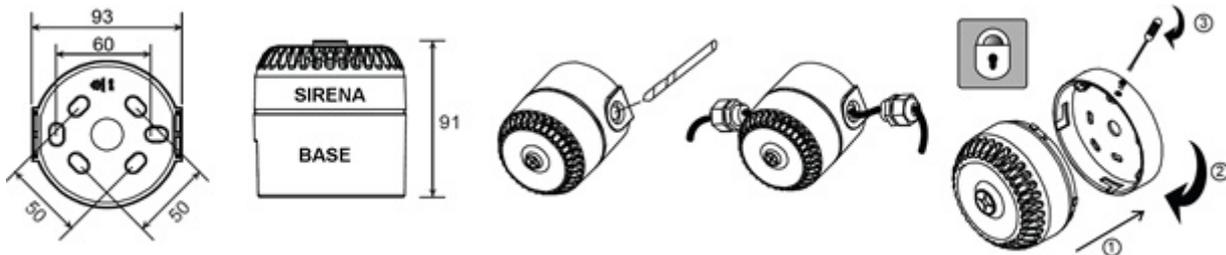
#### Cabling.

Disconnect the supply voltage from the detection loop before module installation.

- Connect the positive input of the detection loop + B to the + E terminal.
- Connect the negative input of the detection loop -B to the - E terminal.
- Connect the positive output of the detection loop + B to the + S terminal.
- Connect the negative output of the detection loop -B to the - S terminal.

Verify that the input and output connection is correct. The input and output terminals can be freely exchanged, although the terminal assignment is reversed.

### Installation



#### TECHNICAL CHARACTERISTICS:

Supply voltage:	18 ~ 27 V (Bucle Algoritmico tarjeta AE/SA-CTL).
Consumption in standby:	1 mA
Consumption in alarm:	6 mA (Tono 16, 660Hz, 150ms On, 150 msg Off)
Maximum permitted current:	220mA
Max. current after short circuit detection:	<50mA
Sound intensity:	100 dB @1m (Tone 16), depends on the tone.
Temperature range:	-10° - +55° C (room temperature)
Humidity range:	Relative humidity 10% - 90% non-condensing
Housing material:	ABS V0 rojo
IP:	IP65
Dimensions:	93 mm Ø x 91mm.
Weight:	220g 220g

#### CERTIFICATIONS

0099/CPD/A740197

