

ALGORITHMIC SIREN WITH SPOTLIGHT AND INSULATOR

AE/SA-ASF23

Description

Acoustic siren with low consumption spotlight for indoor use certified EN54: 3 and EN54: 23, with control module and integrated bi-directional isolator circuit certified EN54: 17 and EN54-18, designed to be used with algorithmic fire detection panels of ELECTRONIC AGUILERA.

The siren can be configured as an optical-acoustic element (flash + sound) or only optical (flash). 2 sound levels can be configured according to need. The connection of the installation must be carried out in compliance with the requirements of the UNE 23007-14: 2014 standard. In the event of a short circuit in the wiring at one end of the algorithmic loop, the siren will always remain operational.

The bi-directional isolator circuit allows isolating short circuits in the algorithmic detection loop wiring, leaving the affected zone between 2 isolators out of service for closed-loop installations.



The isolator circuit incorporates the following functions:

- Bidirectional switch, allows to cut the loop safely, without causing voltage drops when it gives continuity.
- Voltage detector. It monitors the voltage of the loop, preventing its operation until the voltage does not exceed the lower limit set.
- Indicator light, it is activated when a short is detected in the loop, or an excessive current consumption.

The siren is personalized in the Algorithmic Central with the name of the area where it is installed. Each siren 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 siren is without power for a long time.

The AE / SA-ASF23 siren is powered from the algorithmic loop itself. The maximum number of sirens that can be connected in the same loop depends on the number of connected devices and the current consumption in the loop.



TECHNICAL CHARACTERISTICS:		CERTIFICATIONS	
Supply voltage:	18 ~ 27 V (AE / SA-CTL card algorithmic loop).	EN54-3	0359/CPR/00419
Wiring:	2 wires. Recommended section AWG 22 ~ 14 (IEC1.5mm ²)	EN54-23	0359/CPR/00419
Class:	WO Wall	EN54-17	0099/CPR/A74/0197
Consumption in standby:	1 mA	EN54-18	0099/CPR/A74/0197
Consumption in alarm			
• 7.6 mA	flash only		
• flash + low volume	8.4 mA		
• flash + high volume	10.5 mA		
Sound intensity:			
• high volume	99 ± 3 dB (A)		
• low volume	89 ± 3 dB (A)		
Flash flash frequency:	0.5 Hz Flash pulse duration: 60 msg		
Temperature range:	-10° - + 55° C (room temperature)		
Humidity range:	Relative humidity 10% - 90% non-condensing		
Shell material:	ABS FR V0 red		
IP protection degree:	IP21C Type: A - Indoor use		
Dimensions:	106mm x 106mm x 91mm.		
Weight:	235g		
Isolator activation current (ISO):	I > 310 mA		
Isolator reset current (ISC):	I < 150 mA		
Maximum leakage current (IL max):	< 35 mA		
			
			
		0099 EN54-17 EN54-18 0359 EN54-3 EN54-23	