

SIRAY SIRAYL SIRAY+BSLC



Addressable alarm sounders

The references SIRAY / SIRAYL / SIRAY + BSLC are made up of the following elements:

- SIRAY= Sounder + SIRAYC card
- SIRAYL= Sounder with light + SIRAYC card
- SIRAY+BSLC= Sounder + SIRAYC card + Base with light

SIRAYC card is a digital module microprocessed and addressable device (with short-circuit isolator) installed as another element inside the loop. The sounder is made of in ABS heat-resistant plastic red color.

Is a module with a single programming function in terms of the timing and combination of sensors that trigger it. This sounder is configured as a relay acting as sounder.

The variant SIRAYL and SIRAY+BSLC additionally emit light signals, where in addition, the SIRAY+BSLC makes it according to EN 54-23 (visual alarm device). The fact that specifically these sounders emitting light does not affect the programming of the control panel. For this reason, these devices are programmed in the control panel as if they were the reference SIRAY.

The standard configuration of the sound of the sounder is shown in the bottom figure according to EN 54-3 (acoustic device). The same figure shows the standard configuration of the light signal at the base of the sounder SIRAY+BSLC according to EN 54-23 (visual alarm device).

It is possible to change the tone and light signal selection, but this operation affects the power consumption of the sounder, and therefore, the consumption of the device points. The bottom figure shows a table of equivalence for tone selections (standard 95 dB - 1m and maximum sound intensity 105 dB - 1m) and visual signal (W-2, 4-2, 37, 5). It is possible to calculate the precise calculation with the software of loop elements capacity.

Internal wiring and other microswitch positions must be unmodified selected by the manufacturer.

TECHNICAL FEATURES

Power supply	24 - 35V with polarity
Standby current	3 mA
Alarm current	5 - 50 mA
Short-circuit isolator	Yes
Operating temperature	-10°C + 55°C
Size	Ø95 x 91 mm / Ø95 x 107 mm (SIRAYL) Ø95 x 95 (high) x 135 mm (SIRAY+BSLC)
Standard	EN 54-3 / EN 54-23 (BSLC) SIRAYC: EN54-17 and EN54-18
IP protection	IP 65 (SIRAY+BSLC) and SIRAYL IP 54 SIRAY
Sound intensity	95 / 105 dB - 1m (SIRAY / SIRAYL)
Light intensity	w 2,4 - 2,3 / 7,5 m (BSLC)

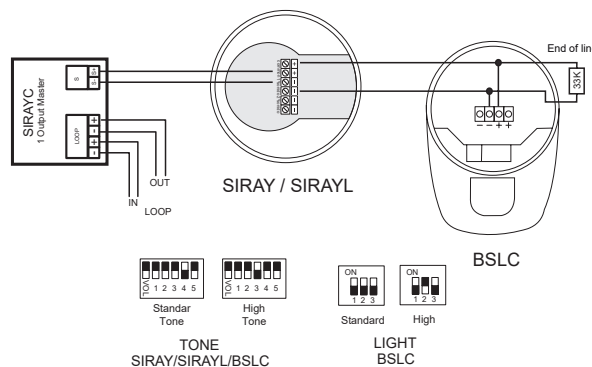


Figure 1

Devices limits per control panel								
Reference	Description	Lyon Remote & Zafir control panel				C-Lyon control panel		
		Loop limit	Element equivalence			Cable section	Loop limit	Element equivalence
			Cable length	≤ 800 m	≤ 500 m			
->	≤ 1350 m	≤ 850 m	≤ 500 m	2x1,5 mm ²	2x2,5mm ²	->	≤ 1350 m	2x1,5 mm ²
SIRAY	Addressable sounder	32	8/16 ^A	6/12 ^A	4/8 ^A		16	4/8 ^A
SIRAYL	Addressable sounder with light	32	10/20 ^A	8/14 ^A	6/10 ^A		25	6/10 ^A
SIRAY+BSLC	Addressable sounder with EN 54-23	19	25/35/40 ^B	16/24/26 ^B	12/20/22 ^B		10	12/20/22 ^B

^A) Values corresponds with the standard / maximum sound intensity of the sounder.
^B) Value corresponds with the sound-light standard / sound or light at maximum / sound and light at maximum, sonder intensity
 Note: The cable is considered with resistance of 32,9 Ω/Km*mm² (copper cable)

Figure 2