

Outdoor Self-Powered Siren NEKA – Bentel Security



Self-powered siren

NEKA is the result of Bentel Security's extensive experience in the field of the audible warning devices thanks to the microprocessor circuit technology that guarantees great working accuracy.

Flexible and compatible with all security control panels

Four independent inputs to activate acoustic and optical signaling plus two sets of sounds extend the range of the siren significantly. It is possible to program a separate set of sounds for installations in close proximity to avoid confusing other users. The four alarm inputs (3 with programmable polarity) make NEKA compatible with any security system control panel on the market.

Self diagnosis for continued security

The siren's status and efficiency level are constantly monitored via an auto-diagnosis feature on either the lamp or battery (NEKA, NEKA-F only), guaranteeing continued protection. Any possible failure notice is registered either locally or in the control panel through the appropriate outputs. In addition, the siren has a security system that, in case of low battery, the remaining energy will be used to emit the sound while the flasher will be off (only NEKA and NEKA-F).

Protection, robustness and reliability

In addition to the standard protections on all sirens (cut wires, lamp damage and tampering), the NEKA-F and NEKA-FS models feature a further cover against foam injection, particularly effective thanks to a dual detection feature. The robust plastic material and the internal protection of tropicalized metal give a high resistance to even the most extreme weather conditions.

Smart Values

- Strong plastic cabinet able to resist extreme weather conditions
- Additional protection with tropicalized metal inner-plate
- Compatible with all security systems control panels on the market
- One input for battery charger and flash and sound alarm activation
- One input for only flash alarm, with programmable polarity
- One input for only sound alarm, with programmable polarity
- One input for flash and sound alarm, with programmable polarity
- Magneto-dynamic exponential horn with high acoustic efficiency. Allowing frequency modulated sound emissions to associate different sounds to different alarm inputs
- Protection against cut wires, lamp damage and tampering
- Anti-foaming device (NEKA-F and NEKA-FS only)
- Programming of maximum alarm time
- Battery test circuit with battery low indicator (NEKA and NEKA-F only)
- Simple installation with drilling template

Technical Features

	NEKA	NEKA-F	NEKA-FS	NEKA-K
Cabinet	High resistant plastic material			
Additional protection	Tropicalized metal inner-plate			–
Alarm inputs	<ul style="list-style-type: none"> • One input for battery charger and flash and sound alarm activation • 3 additional inputs with programmable polarity: only flash, only sound, flash and sound alarm 			–
Outputs	<ul style="list-style-type: none"> • Trouble signal • Programmable tamper 			–
	<ul style="list-style-type: none"> • Antifoam 			
Sound level	104-106 dB(A) depending on the sound type			–
Sound emission	800 to 2400 MHz modulated frequency, 2 sound patterns available 800-2400Hz			–
Power supply, and current drawn on standby	10-13.8 Vcc max 0.6 A			–
Current drawn in alarm status (from battery)	1.4 A (max 2.8 A)			–
Battery requirements	2 Ah (177x34x66 mm)			–
Maximum alarm-time (programmable)	3-10 minuti			–
Temperature range	-25 ÷ +55 °C			
Protection grade	IP34			
Dimensions (WxHxD)	208x252x98			
Weight (without battery)	2.3 Kg			0,8 Kg

Models & Accessories

NEKA	Self-powered outdoor siren
NEKA-F	Self-powered outdoor siren with anti-foam protection
NEKA-FS	Self-powered outdoor siren with anti-foam protection and high intensity xeno flasher
NEKA-K	Empty siren
LEDOPT	LED flash board for status signalling, compatible with NEKA and NEKA-F models

Certifications

- CE

Johnson Controls

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