

Product: HPA702LG external siren**No.** 32/06**Date:**

09/28/2006

Drawn up by: STAC**Approved by:** Product Manager**HPA702LG SELF-POWERED EXTERNAL SIREN (code HP8600211)**

This product belongs to a new range of ELKRON sirens, characterized by an innovative design, a die-cast aluminium cover painted in metal "silver" grey, an anti-crash cage, and siren fault and system status visual indicators and flashing light.



Below are the main functional characteristics:

- Glass-filled polypropylene bottom with a hole for cable access and raceways located at the rear for running the cables along three directions.
- The fastening holes can be accessed without removing any element.
- Anti-opening/anti-removal system.
- 2.2 Ah lead-acid battery housing.
- Provision for compact air-bubble level.
- 1 "BL" control input.
- 1 "TC" system status input.
- Inputs able to be configured as N.C. or balanced, corrected- or negative-polarized (option applying to both inputs).
- 1 "Fault" output actuated in case of low battery, horn short-circuit or interruption; the protection device module will, if available, signal its own faults, too.
- Fault signalling LED (subordinate to the system status).
- System status signalling LED.
- Ringing time-out in case of lack of programmable block signal (four different timings).
- Ringing count able to be excluded (max. five ringing instances over 24 hours or the actuation cycle).
- Ringing mode programmable for 16 different modulations.
- DEMO function for listening to the various ringing modulations (with lower sound intensity).
- Battery test (in loaded conditions), horn and flashing light tests upon system actuation.
- Flashing light block in case of low battery.
- Initial block function.
- Scaffolding function (this function will actuate flashing light blinking: one blink every 2.5 seconds when the system is ON).

- *Protection against external power supply and battery polarity inversion.*
- *Low absorption for very high buffer battery operating range.*
- *Current absorbed by the control unit is limited to 140 mA.*
- *Active self-diagnosis.*

ACCESSORIES:

PROTECTION DEVICE MODULE (code HP8810111)

- *Module for opto-mos output for:*
- *Anti-perforation protection.*
- *Anti-foam protection.*
- *Thermo-velocimetric protection.*
- *Signalling LED on the module, indicating that any of the protection devices comes into action. The same LED also indicates possible thermo-velocimetric or antifoam section faults.*

BACK PLATE (code SP8510111)

- *Stainless steel back plate, incl. A set of three M4x60 stainless steel screws.*

TECHNICAL FEATURES

Rated supply voltage.....	13.8 V—
Operating voltage.....	9 ÷ 15 V—
Absorption at rest.....	4 mA
Max. absorption in alarm condition	750 mA
Flash absorption.....	100 mA
Acoustic pressure.....	103 dB (A) @ 3 m
Operating frequency.....	1,400 ÷ 1,600 Hz
Input block voltage (inputs N.C. to positive).....	4.3 V—
Input block voltage (inputs balanced to positive)	3.5 ÷ 7.5 V—
Anti-opening/anti-removal microswitch	1 A @ 24 V—
Working temperature declared by the manufacturer	-25 °C ÷ +75 °C
Shell protection degree declared by the manufacturer	IP43 / IK08
External cover	die-cast aluminium
Internal cage	galvanized 8/10
.....	sheet metal
Flash	polycarbonate
Movable accumulator	12 V, 2.2 Ah
Dimensions (w x h x d).....	237 x 287 x 90 mm

A card providing a comparison between the HP502LG siren and the newest HPA702LG model is included in this document for information purposes, in order to point out the differences between the two products.

HP502LG / HPA702LG COMPARISON TABLE

Functions	HP502LG	HPA702LG
Alarm inputs	N2 referred to + or – (can be selected)	N2 referred to + or – (can be selected)
Self-diagnosis with fault displaying	YES - battery and flashing light self-diagnosis	YES - battery, flashing light and horn self-diagnosis
Test upon status change	NO	YES - horn, flashing light and battery
Fault alarm output	Dedicated electric output	Dedicated electric output
Anti-perforation, over-temperature and anti-foam module alarm output	Optional item	Optional item
Tamper	Anti-opening and anti-removal	Anti-opening and anti-removal
Container	Die-cast aluminium	Die-cast aluminium
Metal paint	NO	YES
Flashing light	Filament-type	LED technology-type
Anti-crash cage	YES	YES
Anti-foam	Optional item	Optional item
Over-temperature	Optional item	Optional item
Anti-perforation	Optional item	Optional item
Scaffolding function	NO	YES
Steel back plate	NO	Optional item
System status displaying	NO	YES
Air-bubble level	NO	NO
Ringing mode number	16	16
Ringing modes conforming to IMQ	1	2
Absorption at rest	22 mA	4 mA
Max. absorption in alarm condition, without flashing light	600 mA	600 mA
Max. flashing light absorption	830 mA	7 mA
Control unit max. absorption reduction	NO	150 mA
Alarm cycles	Programmable from 0 to 5	Programmable from 0 to 5
Alarm time	Programmable from 3 to 30 minutes	Programmable from 3 to 30 minutes
Block in case of power supply failure	NO	YES
Quality marks	Level II	Under approval



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