

ANTINTRUSION



ELKRON. THE HI-PROTECTION COMPANY

ELKRON

SOUNDERS

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SOUNDERS

OUTDOOR SOUNDERS

OUTDOOR SOUNDERS

Aluminium outdoor sounder

HPA701 cod. HP8400211

Outdoor sounder

- Sounder made of metallic silver painted die-cast aluminium with blinker area covering made of polycarbonate.
- Controls managed through microprocessor.
- Acoustic pressure: 103 dB (A) @ 3 m.
- Anti-breaking protection inner cage made of zinc-plated metal sheet: optional.
- Anti-opening / anti-tampering system.
- Counter plate made of steel: optional.
- Start block function.
- Sound mode programmable on 16 different modulations with 2 IMQ-complying honking modes.
- DEMO function for listening to different honking modulations (with reduced loudness).
- Battery and horn failure self-diagnosis.
- Mini water level prearrangement.
- Chance of programming block (BL) and TC inputs as balanced or normally closed, referred to positive or negative.
- Sound time-out in case of permanent lack of block signal (4 different programmable timings).
- Sound count (can be excluded)
- Battery test (under load), flashlight integrity and horn;
- Electric failure output for low battery, interruption or short circuit of the flash module, horn interruption or short circuit, protection module functional anomaly (if present);
- Protection from battery polarity inversion and supply from central unit.
- Protection against opening and removal.
- Rated supply voltage: 13,8 V— , 14,4V—
- Operating voltage (min - max): 9 ÷ 15 V—
- Absorption at rest: 4 mA.
- Max alarm absorption: 650 mA.
- Max central unit absorption: 150 mA.
- Operating frequency: 1400 ÷ 1600 Hz.
- Input lock voltage (NC to positive): 4,3 Vdc min. ÷ Vcc max.
- Input lock voltage (balanced to positive): 3,5 min ÷ 7,5 V max.
- Battery low threshold: 11,2 Vdc ÷ 11,4 Vdc.
- Opening/removal preventing micro-switch: 1 A @ 24 Vdc
- Operating temperature declared by the manufacturer: -25°C ÷ +70°C.
- Operating temperature certified (Norme CEI): -25°C ÷ +55°C.
- Envelope protection degree declared by the manufacturer: IP43 / IK06.
- Envelope protection degree certified: IP34.
- Allocable battery: 12 V / 2,2 Ah.
- Dimensions (H x W x D): 237 x 287 x 90 mm.



HPA701



2° level



SOUNDERS

OUTDOOR SOUNDERS

Aluminium outdoor sounder

HPA702LG cod. HP8600211

Outdoor sounder

- Sounder made of metallic silver painted die-cast aluminium
- LED Technology signalling flash (polycarbonate)
- Controls managed through microprocessor.
- Acoustic pressure: 103 dB (A) @ 3 m.
- Anti-breaking protection inner cage made of zinc-plated metal sheet:
- Anti-opening / anti-tampering system.
- Electronic anti-perforation protection: option
- Electronic anti-foam protection: option
- Overtemperature warning (oxyhydrogen flame, oxygen lance): option
- Counter plate made of steel: optional
- Start block function.
- Alarm storage (by blinking the flash).
- Sound mode programmable on 16 different modulations with 2 IMQ-complying honking modes.
- DEMO function for listening to different honking modulations (with reduced loudness). Autodiagnosi di guasto batteria e tromba.
- Mini water level prearrangement.
- Chance of programming block (BL) and TC inputs as balanced or normally closed, referred to positive or negative.
- Sound time-out in case of permanent lack of block signal (4 different programmable timings).
- Sound count (can be excluded)
- Battery test (under load), flashlight integrity and horn;
- Electric failure output for low battery, interruption or short circuit of the flash module, horn interruption or short circuit, protection module functional anomaly (if present);
- Protection from battery polarity inversion and supply from central unit.
- Protection against opening and removal.
- System status function for "scaffolds"
- Visual signalisation for "failure status" and "system status"
- Rated supply voltage: 13,8 V— , 14,4V—.
- Operating voltage (min - max): 9 ÷ 15 V—
- Absorption at rest: 4 mA.
- Max alarm absorption: 750 mA.
- Max central unit absorption: 150 mA.
- Flash absorption: 100 mA peak; 7 mA medium.
- Operating frequency: 1400 ÷ 1600 Hz.
- Input lock voltage (NC to positive): 4,3 Vdc min. ÷ Vcc max.
- Input lock voltage (balanced to positive): 3,5 min ÷ 7,5 V max.
- Battery low threshold: 11,2 Vdc ÷ 11,4 Vdc.
- Opening/removal preventing micro-switch: 1 A @ 24 Vdc
- Protection module tamper contact (solid state relay): 50 mA @ 50 Vdc; R type = 20 ohm
- Operating temperature declared by the manufacturer: -25°C ÷ +70°C.
- Operating temperature certified (Norme CEI): -25°C ÷ +55°C.
- Envelope protection degree declared by the manufacturer: IP43 / IK06.
- Envelope protection degree certified: IP34.
- Allocable battery: 12 V / 2,2 Ah.
- Dimensions (H x W x D): 237 x 287 x 90 mm.



HPA702LG



2° level



SOUNDERS

OUTDOOR SOUNDERS

Aluminium outdoor sounder

HPA702L cod. HP8500211

Outdoor sounder

- Same as HPA702LG but with Optional anti-breaking inner cage

HPA703XP cod. HP8700211

Outdoor sounder

- Same as HPA702LG but with:
- Electronic anti-perforation protection: standard.
- Electronic anti-foam protection: standard
- Overtemperature warning (oxyhydrogen flame, oxygen lance): standard
- Absorption at rest: 8 mA.
- Absorption max in alarm: 1550 mA.
- Flash Absorption: 900 mA di picco; 65 mA medi.

HPA703XP/H cod. HP9000211

Outdoor sounder

- Same as HPA703XP/A but with:
- Acoustic pressure 106 db(A) @ 3m; 110 db(A) @ 1m.

Accessories for 700 series sounders

CONTRO PIASTRA cod. SP8510111

Reinforcement stainless steel plate

- Reinforcement stainless steel plate.

GABBIA cod. HP8910111

Internal protecting cage

- Internal protecting cage for 700 series sounders

MODULO PROTEZIONI cod. HP8810111

Relais module

- Protection module against foam, perforation, thermal attacks

Polycarbonate sounders

HP202L cod. HP5000111

Polycarbonate sounder with Sound Output: 104 dB at 3 m

- Anti-breaking case: option
- Signalling flash: incandescence lamp
- Anti-opening/removal tamper
- Initial block function
- Polarity inversion protection with self-reset
- Ring count programming with self-bypass
- Immunity from noises (RF - EMI)
- Consumption: 9 mA quiescent / 1,1 A alarm
- Operating temperature: -25° / +55° C
- Allocable batter 12 Vdc 2,2 Ah
- Dimensions (H x W x D): 230x210x65 mm



HPA702L



2° level



HPA703XP - HPA703XP/H



3° level



HP202L / HP202LG



SOUNDERS

OUTDOOR SOUNDERS

Polycarbonate sounders

HP202LG cod. HP5100111

Same as HP501 but with standard anti-breaking case

Polycarbonate sounder with anti-approaching device

HP202LX cod. HP5200111

Polycarbonate sounder with anti-approaching device

- Sound Output: 104 dB at 3 m
- Anti-breaking case
- Initial block function
- Polarity inversion protection with self-reset
- Ring count programming with self-bypass
- Immunity from noises (RF - EMI)
- Operating temperature: -25° / +55° C
- Anti-opening/removal tamper
- Allocable battery: 12 Vdc 2 Ah
- Dimensions (H x W x D): 265 x 210 x 65 mm

External sounder in stainless steel

HP602LG cod. HP5700111

External sounder in stainless steel built with the micro-processor technology

- External sounder in stainless steel built with the micro-processor technology
- Stainless steel internal protection cage
- Electronic antifoam and overheating protection
- Protection degree: IP34
- Mechanical resistance level: IK06
- Initial block function
- Protected from battery and central unit supply polarity inversion
- Alarm count: maximum 5 over 24 hours
- Consumption: 27 mA quiescent / 1,3 A alarm
- Anti-opening/removal protection
- Operating temperature: -25° / +70° C
- Allocable battery: 12 Vdc 2,2 Ah
- Dimensions (H x W x D): 243 x 285 x 92 mm
- Weight (without battery): 2550 g



HP202LX



HP602LG



SOUNDERS

INDOOR SOUNDERS

INDOOR SOUNDERS

Indoor sounders

HP12 cod. HP2800113

Indoor sounder in protected plastic case

- Sound Output: 110 dB at 1 m
- Frequency: 2770 Hz
- Dimensions (H x W x D): 160x110x38 mm



HP12

HP25 cod. HPO200111

Indoor sounder in protected plastic case

- Sound Output: 126 dB at 1 m
- Frequency: 1800 ÷ 2800 Hz
- Dimensions (H x W x D): 112x112x170 mm



HP25

HP305 cod. HP5300211

Self-powered internal sounder

- Sound output: 112 dB (A) at 1m
- Max consumption in alarm 650 mA
- 2 different sound type: continuous high power and intermittent high or low power
- Epoxy-polyester painted zinc plated steel case
- 4 different time-out sound management (for example cable cutting)
- Sound block function
- Anti-opening anti-removal protection
- The sounder can operate without battery through power supply from the control unit
- Dimensions (H x W x D): 200 x 184 x 65 mm
- Weight (without battery) 1560 gr



HP305 / HP305P



2° level

HP305P cod. HP5300311

Same as HP305 but with :

- Sound output 117 dB (A) at 1 m
- Max consumption 2,2 A

HP301A cod. HPO800311

Self-powered internal sounder

- Sound Output: 111 dB (A) ad 1 m
- Metallic case
- Dimensions (H x W x D): 211 x 165 x 44 mm
- Weight: 1,6 kg (without battery)
- Space for battery 12 Vdc 2,1 Ah
- Case degree of protection: IP31 and IK07



HP301A

