



→ **OUTDOOR SIRENS**
HPA700M - HPA700P



INTRUSION ALARM



→ Sirens certified according to the European standards:
EN50131-4 class 2 siren HPA700P
EN50131-4 class 3 siren HPA700M





OUTDOOR SIRENS

Elkron renovates the range of outdoor sirens with two models:

- **HPA700M** metal version
- **HPA700P** plastic version.

Common features

- Integrated flashing light with LED technology: combines longer duration to reduced consumption, thus allowing a longer battery duration
- Two command inputs:
 - **AL**: alarm command
(closed to reference = rest; open = alarm)
 - **S**: system status command
(closed to reference = system disabled; open = system enabled)
- Anti-opening and removal protection



→ **HPA700M**
item no.
80HP9A00211



→ **HPA700P**
item no.
80HP7A00211



HPA700M

Model HPA700M features two additional signalling LEDs, which can be individually disabled:

- The system status **RED LED**
- The fault **YELLOW LED** (enabled only when system is disabled).

In addition, siren HPA700M also features an "active self-diagnosis" function used to check battery, horn, flashing light and protection module (if any) wholeness, as well as the correct presence of the power supply from the control unit.



Programmable functions

Siren functions can be programmed through several disconnectable jumpers	HPA700M item no. 80HP9A00211	HPA700P item no. 80HP7A00211
SOUND TIME-OUT This function allows programming the maximum delay after which, if lock signal is still not present, siren automatically stops	✓	✓
INPUT TYPE This function allows programming AL and S inputs as balanced (resistors supplied) or N.C.	✓	
INPUT REFERENCE This function allows programming the reference of AL and S inputs to positive or negative	✓	✓
ALARM COUNT This function allows enabling max. 5 alarms in 24h, or disabling the counter, i.e. an alarm will be generated whenever lock is missing	✓	✓
SCAFFOLDING FUNCTION This function activates the flashing light (a double flashing every 2.5 s) when system is active (i.e. when no signal is present on terminal S)	✓	✓
SOUND MODES Siren can generate 8 different sound modes. The type of sound can be selected by starting a "DEMO" listening phase (at reduced intensity) of all the 8 available modes	✓	
PROTECTION MODULE ALARM CARRY-OVER This function allows the direct management on siren TA terminals of any sabotage alarm generated by the optional protection module	✓	
SYSTEM STATUS LED This function allows disabling system status displaying through the special red LED	✓	
FAULT LED This function allows disabling fault displaying through the special yellow LED	✓	
REMOTE POWER SUPPLY DETECTION In compliance with EN50131-4 standard, siren constantly controls the presence of the power supply from the control unit and, in case it is not available, generates an acoustic alarm		✓

Optional accessories

Sirens can be equipped with two optional accessories:

- **Internal cage** (item no. 80HP7A10111) in 8/10 galvanized sheet metal
- **Additional protection module** (item no. 80HP9A10111) managed by microprocessor and able to detect tampering attempts with foam, drilling (for HPA700 M model, only) and temperature attacks.





Technical features



	HPA700M item no. 80HP9A00211	HPA700P item no. 80HP7A00211
Rated power supply voltage	13.8 Vdc , 14.4 Vdc	
Maximum absorption at rest	7 mA	
Maximum absorption in alarm	1600 mA	
Flash absorption	6 mA	
Protection module (opt.) absorption	6 mA	
Maximum absorption from control unit	150 mA	
Acoustic pressure	→ 110 dB [A] @ 1 m	
Operating frequency	1400 ÷ 1600 Hz	
Maximum sound time	15 minutes	
Flash colour	orange	
Flashing rate	1 Hz	
Duration with internal battery in rest conditions	60 hours	36 hours
Low battery threshold	11.5 Vdc	
Siren tamper contact	50 mA @ 50 Vdc R typ = 20 Ω (solid-state relay)	1A @ 24V
Protection module tamper contact	50 mA @ 50 Vdc; R typ = 20 Ω (solid-state relay)	
Environment class	IV	
Certified operating temperature	-25 °C to +70°C	
Maximum permitted humidity	93%	
Certified casing protection degree	IP44 / IK08	IP44 / IK07
External cover material	die-cast aluminium	Self-extinguishing PC-ABS
Flash material	Self-extinguishing PC-ABS	
Optional inner cage material	8/10 galvanized sheet metal	
Base material	Self-extinguishing PC-ABS	
Protection grille (opt.) material	8/10 galvanized sheet metal	
Battery	12V - 1.9 to 2.2 Ah	
Dimensions [L x H x D]	203 x 253 x 87 mm	
Weight (without battery)	1500 g	1100 g
Tamper	Anti-opening and removal	
Ensured performance level (EN50131-4)	Class 3	Class 2