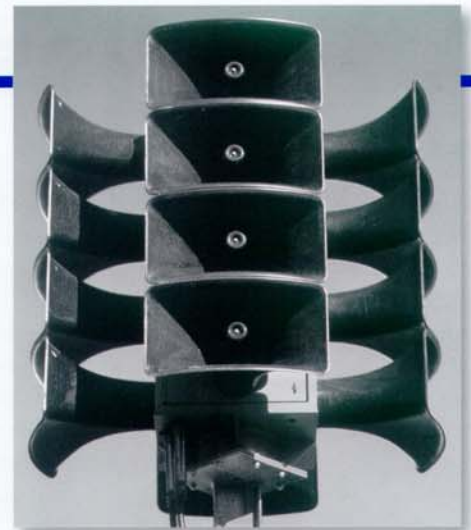


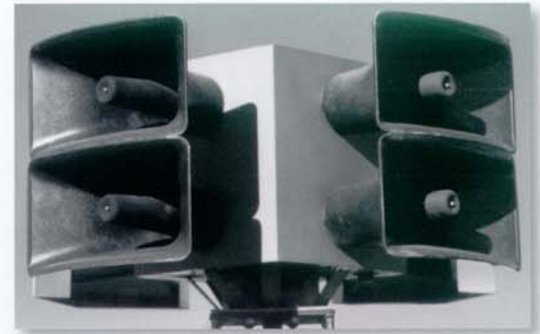
Alertronic™ Series

Features

- ❑ **Omni directional 360° voice/tone siren (standard.)**
- ❑ **User selectable sound coverage patterns 90°–360.°**
- ❑ **Pre-recorded and live voice broadcasting/adjustable audio output.**
- ❑ **10 standard/6 custom tone signals.**
- ❑ **Silent testing.**
- ❑ **Battery operation.**
- ❑ **Maintenance free siren head.**
- ❑ **Modular component design.**
- ❑ **MACROs: Custom tones & pre-recorded messages with repeated play.**
- ❑ **5 Year Parts Warranty.**
- ❑ **Over 15 years of excellence in community alerting and voice notification.**



AL-8000 ▶
AL-4000 ▼



Also available, not shown:
AL-1000
AL-2000
AL-6000

The **AL-Series** by **ASC** is designed for community, industrial, nuclear, petrochemical, or other applications that require high levels of sound pressure level output with superb accoustical performance and brilliant voice notification broadcasting.

The **AL-Series** sirens can be activated locally or from a central point using radio or land line. Multiple sirens can be activated from a central point. An encoder located at the central point transmits activation codes to the siren decoder that initiates the proper tones or pre-recorded voice messages. The electronic control decoders are programmable for various tone out protocols, including TTS, DTMF, and FSK. Any of 10 standard or 6 optional customized tones can be activated.

ASC can also provide all electrical control components factory configured, reducing field installation mistakes and installation time and cost.

We challenge you to compare our sirens & control systems with any manufacturer's!



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AL-Series

Siren Design Characteristics

Models AL-4000 & AL-8000 produce 115 and 126 decibels respectively, tested in free field non-reflective measurement environments with repeatable results. Applications include omnidirectional or quadrant configurations for 90°–360° coverage patterns. The color-impregnated fiberglass siren horns endure severe weather conditions, are maintenance free, and will not rust or require painting. The optional Electronic Controls have a self-contained, regulated battery charging system that assures full siren operation during AC outages. The control charging unit requires a nominal 120 VAC 50/60Hz power with 5 amp service.

The siren horn color remains aesthetically pleasing and the low silhouette siren design discourages vandalism.

The AL-8000 siren provides a sound pressure level of 70 decibels for approximately 1 radial mile, subject to weather conditions.

The optional electronic controls include 6 push buttons for local, manual operation of the siren, to initiate a variety of tones or prerecorded messages. LEDs provide component or power service status information. The amplifiers are individually fused and switchable between hi and low outputs (from 100 watts to 6 watts per speaker driver), for testing and servicing without the necessity of hearing protection. The electronic control is encased in a lockable, outdoor-use-rated NEMA enclosure. Special cabinets rated for specific environments are available upon request.

The rechargeable batteries are encased in a separate, lockable, maintenance-free enclosure, designed to isolate and prevent any battery fumes from damaging electrical components. The recommended low maintenance 12 VDC deep cycle marine-type batteries are optional.

Installation

For maximum sound dispersion, sirens should be mounted 45'-55' above grade. An optional pole mount is available for mounting on a standard wooden utility pole. The center mount, low-silhouette siren design eliminates the need for support wires. The sirens can also be mounted on proper structures such as roofs, towers, etc. Mounting brackets for these applications and additional installation accessories are available from American Signal Corporation.

Field Programming

Each electronic control includes an RS-232 port for field programming of tones and time duration. The 6 custom programmable tones can be software programmed to generate almost any tone or tone sequence. MACROs, customized tones and pre-recorded messages in repeated play cycles, and new tones, can be field programmed as your needs change.

Optional Siren Equipment

EC-1600	Electronic Control for AL-4000
EC-3200	Electronic Control for AL-8000
MSG-1	Prerecorded Message Chips
Solar Panel	
TTS/DTMF/FSK	Decoder boards for function activation
CompuLert™	CSC-960 programmable encoder & status monitor (two-way) with hot key radio or landline activation & system monitoring battery backup
CompuLert™	Customized graphical activation and status monitoring software for Windows

SYSTEM SPECIFICATIONS

Acoustical Characteristics Rating

AL-1000	400 Watt	108 dB @ 100 ft.
AL-2000	800 Watt	112 dB @ 100 ft.
AL-4000	1600 Watt	116dB @ 100 ft.
AL-6000	2400 Watt	121 dB @ 100 ft.
AL-8000	3200 Watt	126 dB @ 100 ft.

Frequency Response	240-2500Hz ± 3dB
Distortion at 1 KHz Max. Output	Less than 2.5%

Electrical

Input Voltages	24 VDC
Input Current	112/224 ADC
Battery Charger Voltage (Input)	120/240 VAC

Environmental

Operating Temperature	-40°C to 60°C
Storage Temperature	-65°C to 125°C
Humidity	0%–100% (non-condensing)
Wind Speed	100 Mph

Size and Weight

	AL-4000	AL-8000
Control Cabinet (H x W x D)	24" x 24" x 8"	36" x 24" x 8"
Battery Cabinet (H x W x D)	24" x 24" x 8"	24" x 24" x 8"
Siren Dimensions (H x Dia.)	26"H 53" Dia	42"H 53" Dia
Siren Weight	265 lbs.	520 lbs.
Control Weight	200 lbs.	220 lbs.

SIGNAL FORMATS

	Frequency of Operation	Sweep Rate
ALERT	670 Hz steady Tone	3 minutes
ATTACK	740 Hz Tone, ramping up and down, :06 up and :05 down	6 sec. up, 5 sec. down for 3 minutes
HI/LO	550 Hz tone alternating with a 740 Hz tone	.75 sec. duration per tone for 3 minutes
AIR-HORN	740 Hz tone	2 sec. on, 2 sec. off for 3 minutes
FIRE	740 Hz tone, ramping up and down minimum during down ramp	16 sec. up, 8sec. down for 1 1/2 minutes
HAZARD	500 Hz tone ramping up to 850 Hz	1 sec., repeating 3 min.
CHIME	533 Hz tone bursts	2 sec. intervals of 6 cycles
SCREAM	850 Hz. tone ramping down to 500 Hz., then back up to 850 Hz.	0.8 sec. down, 0.2 sec. up, for 3 minutes
WAIL	850 Hz. tone ramping down to 500 Hz., then back up to 850 Hz.	0.8 sec. down, 0.2 sec. up, for 3 minutes
SILENT TEST	12.5 KHz. Tone, (Non-Audible)	3 seconds

All tone duration times may be adjusted via software. In addition to the standard signals above, 6 additional tones may be software programmed to generate almost any tone or sequence. All signals may be activated from the CompuLert III software running on a PC.