

All Hazard High-Power Siren System

Whelen's OMNI-ALERT™ Series Provides an economical alternative for powerful omni-directional siren warning without compromising quality.

SYSTEM FEATURES

- **OA4** - Four omni-directional speaker cells assembled in a vertical column.
- Two-compartment (Type I) natural finish aluminum cabinet.
- Speaker cell includes four high efficiency | 400 watt **EZ-PULL™** speaker drivers.
- Pole top mounting bracket included.
- Battery powered. Minimum of 15 minutes of full power output with batteries of our recommendation.
- AC temperature compensated 5 amp battery charger.
- 50' cable included.
- Local controls or remote controls.
- Four power amplifiers.
- Electronic siren controller.
- Tone generator.
- Timer.
- Local control push buttons.
- **SI TEST®**.
- Low battery alarm.
- Battery tray.
- Lightning arrestor.
- Six standard public warning tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn.

SYSTEM OPTIONS

- **Solar option** – 2 each 80 watt panels, with brackets and solar regulator.
- **Batteries** – 2 each Whelen approved batteries. Check Whelen's web site (www.whelen.com) for other recommended batteries.
- **Pole top bracket**

SIREN ACTIVATION CONTROLS

Our VHF High and UHF siren activation control packages include the following:

- Radio.
- Radio Interface.
- Tone Squelch.
- 2-3dB Gain Omni-Directional Antenna with Bracket.
- 35' of RG58 Antenna Cable.
- Polyphaser.
- SI TEST.

Other features are dependant upon one or two-way controls. Whelen equipment can be interfaced with many different types of two-way radio communications products and systems. The following is offered as standard options. Contact factory for special applications.

ONE-WAY CONTROLS

- **OAUXIN** - Auxilliary board for contact closure activation.
- **OD2030LL** - 10 Digit DTMF landline activation.
- **OD230NV** - 10 Digit DTMF VHF high band narrow band / 150-170 Mhz.
- **OD230NU** - 10 Digit DTMF UHF narrow band / 450-470 Mhz.
- **OTT** - Two tone sequential option.

TWO-WAY CONTROLS

- **OAUXCS** - Two-way contact closure activation and status board.
- **OC2030LL** - Two-way landline activation.
- **OC230NV** - 10 digit DTMF VHF high band narrow band / 150-170 Mhz.
- **OC230NU** - 10 Digit DTMF UHF narrow band / 450-470 Mhz.

OPTIONS:

- **OFSKXMOD** - Converts the siren activation controls to FSK format.
- **OSTATUS** - Cabinet window LED status indicator.
- **OPGINT** - Paging interface to interface Whelen tones with existing paging systems.
- **OINTRU** - Intrusion alarm (available with two-way only).

OA4 with optional Solar SBC280

Type I Electronic Cabinet



OA4 Four Cell

"Our Mass Notification Products Speak for Themselves"™

Specifications

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (kg)
OA4 Speaker	57.9 (147.1)	33.4 (84.8)	—	254 (115)
Electronics Cabinet Type I	32.5 (82.6)	22.5 (57.2)	10.5 (26.7)	83 (37.7)
Pole Top Bracket (Optional)	30.5 (77)	12.0 (30.5) x 13.5 (34.3)	See Drawing	71 (32.3)

Batteries add 90 lbs. Pallets, boxes and skids add weight. Check with Whelen if a freight quote is needed.

Electrical

- **Battery Charger Input:** 120 VAC, 60Hz, 7A fuse.
 - **Battery Charger Output:** 28VDC, 5A #.
 - **Batteries:** 2-12V, 60AH lead calcium (user supplied).
 - **Standby Current:** 70mA.
 - **Operating Current:** 89A, 24 VDC.
 - **Power Amplifier Output Power:** 1600 watts.
- # U.L. Recognized Component

Environmental

- **Operating Temperature:** -35C to +60C.
- **Storage Temperature:** -65C to +125C.
- **Humidity, Non-Condensing:** 0 to 95%.

Ordering Information

BASIC SYSTEM INCLUDES ALL OF THE FOLLOWING:

- **OA4** - Speaker Assembly & Electronics Cabinet.
- OPTIONS
- **OAUXIN** - Auxiliary board for contact closure activation.
- **OAUXCS** - Auxiliary / status control board for contact closure activation and status.
- **OD2030LL, OD230NV, OD230NU** - One-way narrow band radio control ¹.
- **OC2030LL, OC230NV, OC230NU** - Two-way narrow band radio control / status monitoring, COMM/STAT™.
- **OTT** - Two tone sequential.
- **OFSKXMOD** - FSK format.
- **OSTATUS** - Cabinet window LED status indicator.
- **OPGINT** - Paging interface to interface Whelen tones with existing paging systems.
- **OINTRU** - Intrusion alarm.
- **OSBC80** - Solar power.
- **OPTB** - Speaker pole top bracket.
- **OBATT** - One pair of batteries.

NOTES

- ¹ 10 digit DTMF Controls • Landline • VHF High Band / 150-170 Mhz • UHF / 450-470 Mhz
Our VHF High and UHF activation control packages include tone squelch, radio, radio interface, 2-3dB gain omni-directional antenna with bracket, 35' of RG58 antenna cable and polyphaser.

OA4 Acoustic Performance

Wattage: 1600 watts

Estimated range: 2,800 ft / 853 m

Weather, terrain and other structures may impact the range. Each siren within the system may have a decreased or increased range depending on conditions beyond our control.



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