

## 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

- OA1 – One omni-directional speaker cell assembled in a vertical column.
- Two-compartment (Type I) natural finish aluminum cabinet.
- Speaker cell includes one high efficiency 400 watt EZ-PULL™ speaker driver.
- 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.
- One power amplifier.
- Electronic siren controller.
- Tone generator.
- Timer.
- Local control push buttons.
- SI TEST<sup>®</sup>
- Low battery alarm.
- Battery tray.
- Lightning arrestor.
- Six standard public warning tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn.

OA1 with optional Solar OSBC80

### 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 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 - Auxiliary 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.
- OPGINT - Paging interface to interface Whelen tones with existing paging systems.
- OSTATUS - Cabinet window LED status indicator.
- OINTRU - Intrusion alarm (available with two-way only).



Type I  
 Electronic Cabinet



# OA1 One Cell

"Our Mass Notification Products  
Speak for Themselves"™

## Specifications

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (kg)
OA1 Speaker	20.4 (51.8)	33.4 (84.8)	—	107 (48.5)
Electronics Cabinet Type I	32.5 (82.6)	22.5 (57.2)	10.5 (26.7)	62 (28.2)
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.



**WHELEN**<sup>®</sup>  
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MASS NOTIFICATION PRODUCTS

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## Electrical

- Battery charger input: 120VAC, 60Hz, 7A fuse.
- Battery charger output: 28VDC, 5A #.
- Batteries: 2-12V, 60AH lead calcium (user supplied).
- Standby current: 70mA.
- Operating current: 22A, 24VDC.
- Power amplifier output power: 400 watts.

# UL 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:**

- **OA1** - 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.

## OA1 Acoustic Performance

**Wattage:** 400 watts

**Estimated range:** 1,400 ft / 425 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.

