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 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’ (15.24m) cable included
- Local controls or remote controls
- One power amplifier
- 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 for other recommended batteries
- **VisuAlert™** – Omni-Directional visual warning
  - Model VALERT™ for OA Series
- **L31H*F4** – Top mount high dome beacon for OA Series, 24 VDC

SIREN ACTIVATION CONTROLS
Our VHF High and UHF siren activation control packages include the following:
- Radio
- Radio Interface
- Tone or digital squelch
- 3-5dB Gain Omni-Directional Antenna with Bracket
- 35’ (10.67m) 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 / 138-174 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 / 138-174 MHz
- **OC230NU** – 10 Digit DTMF UHF Narrow-Band 450-470 MHz

OPTIONS
- **OPGINT1** – Paging interface to interface Whelen tones with existing paging systems
- **OSTATUS** – Cabinet window LED status indicator
- **OINTRU** – Intrusion alarm (available with two-way only)
**OA1 One Cell**

**Specifications**

<table>
<thead>
<tr>
<th>Component</th>
<th>Height (inches (cm))</th>
<th>Width (inches (cm))</th>
<th>Depth (inches (cm))</th>
<th>Weight (lbs. (kg))</th>
</tr>
</thead>
<tbody>
<tr>
<td>OA1 Speaker</td>
<td>18.8 (47.75)</td>
<td>33.40 (84.84)</td>
<td>–</td>
<td>119 (53.98)</td>
</tr>
<tr>
<td>Electronics Cabinet Type I (Aluminum)</td>
<td>32.5 (82.6)</td>
<td>22.5 (57.2)</td>
<td>10.5 (26.7)</td>
<td>62 (28.2)</td>
</tr>
<tr>
<td>Pole Top Bracket</td>
<td>30.5 (77.47)</td>
<td>12.0 (30.5) x 13.5 (34.3) See Drawing</td>
<td>71 (32.20)</td>
<td></td>
</tr>
</tbody>
</table>

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

**Electrical**

- Battery charger input: 120VAC, 60Hz, 7A fuse
- Battery charger output: 28VDC, 5A (nominal)
- Batteries: (2) 12V, 60AH lead calcium (user supplied)
- Standby current: 82mA, 24VDC
- Operating current: 22A, 24VDC
- Power amplifier output power: 400 watts

**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 & Pole Top Bracket

**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
- OC2030LL, OC230NV, OC230NU – Two-way Narrow-Band radio control / status monitoring, COMM/STAT™
- OTT - Two-tone sequential
- OSTATUS – Cabinet window LED status indicator
- OPGINT1 – Paging interface to interface Whelen tones with existing paging systems
- OINTRO – Intrusion alarm
- OSBC280 – Solar power, 2 x 80W
- OBATT – One pair of batteries
- VALENT™ – VisualAlert™ 360° highly effective LED warning accessory
- L31H™F4 – L31 LED, 24VDC

**NOTES:**

- 10 digit DTMF Controls • Line/land • VHF High-Band 138-174 MHz • UHF/450-470 MHz
- Our VHF High and UHF activation control packages include tone squelch, radio interface, 3-5dB gain omni-directional antenna with bracket, 35’ (10.67m) of RG58 antenna cable, and polyphaser.

**OA1 Acoustic Performance**

- Wattage: 400 watts
- Estimated 70dB 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.

**WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.

**MASS NOTIFICATION PRODUCTS**

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“Our Mass Notification Products Speak for Themselves™”

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