

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 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[®]**
- Low battery alarm
- Battery tray
- Lightning arrestor
- Six standard public warning tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn



Type I
Electronic Cabinet



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™** – 360° LED visual warning lights

SIREN ACTIVATION CONTROLS

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

- Radio
- Radio Interface
- Tone Squelch
- 3-5dB 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 / 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

- **OFSKXMOD** - Converts the siren activation controls to FSK format
- **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

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	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:** 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
 - **OPGINT1** - Paging interface to interface Whelen tones with existing paging systems
 - **OINTRU** - Intrusion alarm
 - **OSBC280** - Solar power, 2 x 80W
 - **OPTB** - Speaker pole top bracket
 - **OBATT** - One pair of batteries
 - **VALERT*** - VisuAlert™ 360° highly effective LED warning

* Replace symbol in model number with letter indicating LED color desired:
A = Amber; **B** = Blue; **C** = Clear/White; **R** = Red; **G** = Green **RC** = Red/White

NOTES

① 10 digit DTMF Controls • Landline • VHF High-Band 138-174 Mhz • UHF/450-470 Mhz
 Our VHF High and UHF activation control packages include tone squelch, radio, radio interface, 3-5dB 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.

MASS NOTIFICATION PRODUCTS

Whelen Engineering Company, Inc.

51 Winthrop Road
 Chester, Connecticut 06412-0684
 860-526-9504
 800-637-4736
 www.whelen.com
 iowasales@whelen.com

Whelen Engineering Company, Inc.
 reserves the right to upgrade its products with
 design improvements without notification.
 © 2017 Whelen Engineering Company, Inc.
 Printed in the U.S.A.
 116941-030117



*"Our Mass Notification Products
 Speak for Themselves"™*

