



OA01 One Cell

Mass Notification Warning Product

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

SYSTEM FEATURES

- OA1 - One Omni-Directional Speaker Cell Assembled in a Vertical Column
- Speaker Pole Top Mounting Bracket Included
- Two-Compartment (Type I) Natural Finish Aluminum Cabinet
- OA1 Speaker Cell Includes One High Efficiency 400 Watt EZ-PULL™ Speaker Driver
- 50' Cable Included
- Battery Powered, Minimum of 15 Minutes of Full Power Output with Batteries of our Recommendation
- AC Temperature Compensated 5 Amp Battery Charger
- Local Controls or Remote Controls
- One Power Amplifier
- Electronic 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

- OSBC80 - Solar Power ①
- BSETO - Whelen Approved Batteries
- OXKIT - Upgrade Kit to Upgrade OA1 to an OA2, OA3 or OA4
- Alternate Tone Set

NOTES:

- ① Solar power option. 2 - 80 watt panels, mounting bracket and regulator.

ACTIVATION CONTROLS

Our VHF High and UHF 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 dependent upon one or two way controls. Whelen equipment can be interfaced with many different types of two-way radio communications products and systems including 800Mhz trunking, Motorola's MOSCAD, FSK, Narrow-Band and VHF Low Band. The following is available as standard options. Contact factory for special applications.

ONE WAY CONTROLS

- OAUXIN - Auxiliary Board for Contact Closure Activation
- OD2020LL - 10 Digit DTMF Landline Activation
- OD2020H - 10 Digit DTMF VHF High Band / 150-170 Mhz
- OD2020U - 10 Digit DTMF UHF / 450-470 Mhz
- OTT - Two Tone Sequential Option

TWO WAY CONTROLS

- OAUXCS - Two-Way Contact Closure Activation and Status Board
- OC2020LL - Two-Way Landline Activation
- OC2020H - 10 Digit DTMF VHF High Band / 150-170 Mhz
- OC2020U - 10 Digit DTMF UHF / 450-470 Mhz
- OC2020NH - 10 Digit DTMF VHF High Band Narrow-Band
- OC2020NU - 10 Digit DTMF UHF Narrow Band

Options:

- OFSKXMOD - Converts the 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)



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 II	32.5 (82.6)	22.5 (57.2)	10.5 (26.7)	62 (28.2)*
Pole Top Bracket	30.0 (76.2)	12.0 (30.5)	(See Drawing)	71 (32.3)

Electrical

- Battery Charger Input: 120VAC, 60Hz, 7A Fuse
 - Battery Charger Output: 28VDC, 5A #
 - Batteries: 2-12V, 60AH Lead Calcium (user supplied)
 - Standby Current: 40mA
 - Operating Current: 22A, 24VDC
 - Power Amplifier Output Power: 400 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:

- 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
 - OD2020LL, OD2020H, OD2020U - One Way Radio Control ①
 - OC2020LL, OC2020H, OC2020U - Two Way Radio Control / Status Monitoring, COMM/STAT™ ①
 - OC2020NH, OC2020NU - Two Way Radio Control / Status Monitoring, COMM/STAT™ ①
 - 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 ②
 - BSETO - 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.
- ② Solar power option includes 2 - 80 watt panels, mounting bracket and regulator



WHELEN®

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MASS NOTIFICATION PRODUCTS

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