

WPS4004 Four Cell

WHELEN[®]
MANUFACTURED IN AMERICA

Mass Notification Warning System

Whelen's All-Hazard WPS4004 Series High-Power Voice and Siren Systems deliver clear, powerful voice and siren communication.

SYSTEM FEATURES

- **WPS4004** - Speaker with four active speaker cells
- Two compartment (Type II) natural finish aluminum or stainless steel cabinet
- WPS4004 speaker includes four high efficiency 400 watt speaker drivers
- 50' Cable
- Pole top mounting bracket
- Public address and pre-recorded voice message capability
- Battery powered. Minimum of 30 minutes of full power output, with batteries of our recommendation.
- AC temperature compensated "tri-mode" 10 amp battery charger
- Local or remote controls available
- Four power amplifiers
- Electronic siren controller
- Tone generator
- Timer
- Local control push-buttons
- Battery switch
- **SI TEST**[®]
- **SLIDEOUT**[™] 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, Delco S2000 or Interstate Workaholic 31-MHD Batteries. Also, check Whelen's web site for other recommended batteries.
- **Microphone** - noise cancelling microphone for use at the cabinet (locally) or at the control point (remotely)

SIREN ACTIVATION CONTROLS

Our VHF High and UHF radio narrow-band control packages feature Whelen Protocol COMM/STAT[™] and include the following:

- Radio
- Radio interface
- Tone squelch
- 2-3dB gain omni-directional antenna with bracket
- 35' of RG58 antenna cable
- Polyphaser
- SI TEST
- Low battery alarm (two-way only)

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 available as standard options. Contact factory for special applications.

The following is available as standard options. **BOLD BLUE** indicates the Whelen Model:

ONE-WAY CONTROLS

- **AUXIN** - auxiliary board for contact closure activation
- **D2030LL** - 10 Digit DTMF landline activation
- **D2030NV** - 10 Digit DTMF VHF high band narrow band
- **D2030NU** - 10 Digit DTMF UHF narrow-band
- **WPSTT** - Two-tone sequential option

TWO-WAY CONTROLS

- **AUXCS** - Two-way contact closure activation and status board
- **C2030LL** - two-way landline activation
- **C2030NV** - 10 Digit DTMF VHF high band narrow band
- **C2030NU** - 10 Digit DTMF UHF narrow-band

OPTIONS

- **FSKXMOD** - converts the above siren activation controls to FSK format
- **STATUS** - cabinet window LED status indicator
- **PGINT** - paging interface to interface Whelen tones with existing paging systems
- **INTRUWPS** - intrusion alarm (available with two-way only)



TYPE II ELECTRONIC CABINET

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"Our Mass Notification Products
Speak for Themselves"™

Specifications

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight* Lbs. (kg)
WPS4004 Speaker	52.5 (133.3) [Ⓢ]	31.6 (80.1)	56.0 (142.2)	281 (127.5)
Electronics Cabinet Type II [Ⓢ]	60.5 (153.7)	33.2 (84.3)	12 (30.5)	154 (69.9)
Pole Top Bracket	See Drawing			71 (32.3)

* Less batteries. Two batteries, Delco DC74, add 90 Lbs. (40.9kg)
[Ⓢ] A 6.00" Wide Mounting Channel adds 3.50" in Height and 2.00" in Depth.
[Ⓢ] Height with Rotor.

Electrical

- **Battery charger input:** 120VAC, 60Hz, 7A fuse (240VAC 50/60 Hz available)
- **Battery charger output:** 28VDC, 10A (nominal)
- **Batteries:** (2) 12V, 115AH lead calcium
- **Standby current:** 135mA, 24VDC
- **Operating current:** 89A, 24VDC
- **Power amplifier output power:** **Tone:** 1600 Watts
Voice: 2000 Watts

Environmental

- **Operating temperature:** -35°C to +60°C
- **Storage temperature:** -65°C to +125°C
- **Humidity, non condensing:** 0 to 95%

Ordering Information

BASIC SYSTEM INCLUDES ALL OF THE FOLLOWING:

- **WPS4004** - Speaker assembly & electronics cabinet & Pole Top Bracket

OPTIONS:

- **AUXIN** - Auxiliary board for contact closure activation
- **D2030LL, D2030NV, D2030NU** - One-way radio control
- **C2030LL, C2030NV, C2030NU** - Two-way radio control / status monitoring, COMM/STAT™
- **WPS TT** - Two-tone sequential
- **FSKXMOD** - FSK format
- **STATUS** - Cabinet window LED status indicator
- **PGINT** - Paging interface
- **INTRUWPS** - Intrusion alarm (two-way only)
- **MSGPROG** - Custom pre-recorded messages
- **MSGPROGL** - Whelen library messages
- **WPSNCMIC** - Microphone for public address use at the cabinet
- **WPSBATT** - One pair of Whelen approved batteries
- **SBC280** - Solar option

Acoustic Performance

Wattage: 1600 watts

Estimated Range: 6,000 ft / 1829 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.

WHELEN®

ENGINEERING COMPANY, INC.

MASS NOTIFICATION PRODUCTS

51 Winthrop Road
 Chester, Connecticut 06412-0684
 860-526-9504
 1-800-637-4736
 Fax: 860-526-4784
 www.whelen.com
 iowsales@whelen.com

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