

# WPS4003 Three Cell



## Mass Notification Warning System

**Whelen's All-Hazard WPS4003 Series High-Power Voice and Siren Systems deliver clear, powerful voice and siren communication.**

### SYSTEM FEATURES

- **WPS4003** - Speaker with three active speaker cells
- Two compartment (Type II) natural finish aluminum or stainless steel cabinet
- WPS4003 speaker includes three 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
- Three 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. 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 IIELECTRONIC CABINET

# WPS4003 Three Cell

"Our Mass Notification Products  
Speak for Themselves"™

## Specifications

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (kg)
WPS4003 Speaker	52.5 (133.3) <sup>Ⓢ</sup>	29.0 (73.6)	56.0 (142.2)	281 (127.5)
Electronics Cabinet Type II <sup>Ⓛ</sup>	60.5 (153.7)	33.2 (84.3)	12 (30.5)	147 (66.7)*
Pole Top Bracket	See Drawing			71 (32.3)

\* Less batteries. Two batteries, Delco DC74, add 90 Lbs. (40.9kg)  
<sup>Ⓛ</sup> A 6.00" Wide Mounting Channel adds 3.50" in Height and 2.00" in Depth.  
<sup>Ⓢ</sup> 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: 67A, 24VDC
- Power amplifier output power: **Tone:** 1200 Watts  
**Voice:** 1500 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:**

- **WPS4003** – 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™
  - **WPSST** – 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: 1200 watts  
 Estimated Range: 5,400 ft / 1646 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**<sup>®</sup>  
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