# WPS4004 Four Cell



# **Mass Notification Warning System**

Whelen's All-Hazard WPS4004 Series SIREN ACTIVATION CONTROLS 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' (15.24m) 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 recomendation.
- 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
- RDVM1G digital voice 1-28 message capable
- SI TEST®
- SLIDEOUT<sup>™</sup> Pull out 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)

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

- Radio
- Radio interface
- Tone or digital squelch
- 3-5dB gain omni-directional antenna with
- 35' (10.67m) 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 / 138-174MHz
- D2030NV 10 Digit DTMF VHF high band narrow band / 450-470 MHz
- 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 / 138-174MHz
- C2030NU 10 Digit DTMF UHF narrow-band / 450-470 MHz

#### **OPTIONS**

- 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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# **Specifications**

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (kg)
WPS4004 Speaker	52.5 (133.35) (Including Rotor)	29.0 (73.6)	56.0 (142.24)	281 (127.50)
Electronics Cabinet Type II (Aluminum*) <sup>①</sup>	60.5 (153.67)	33.20 (84.33)	12.0 (30.50)	147 (66.70)**
Pole Top Bracket	30.5 (77.47) (with top plate)	12.0 (30.5) x 13.5 (34.3)	See Drawing	71 (32.20)

<sup>\*</sup>Stainless cabinet option adds 58 lbs. (26.30 kg)

### Electrical

- Battery charger input: 120 VAC, 60 Hz, 7A fuse (240 VAC 50/60 Hz available)
- Battery charger output: 28 VDC, 10 A (nominal)
- Batteries: (2) 12V, 115AH lead calcium
- Standby current: 82mA, 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 with 50' (15.24m) cable & electronics cabinet with all the standard components including voice board for 1-28 pre-recorded messages and Pole Top Bracket

### **OPTIONS**

- AUXIN (one-way) / AUXCS (two-way) Auxiliary boards for contact closure activation
- D2030LL, D2030NV, D2030NU One-way radio control
- C2030LL, C2030NV, C2030NU Two-way radio control / status monitoring, COMM/STAT
- **WPSTT** Two-tone sequential
- 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 70dB 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.

#### MASS NOTIFICATION PRODUCTS

### Whelen Engineering Company, Inc.

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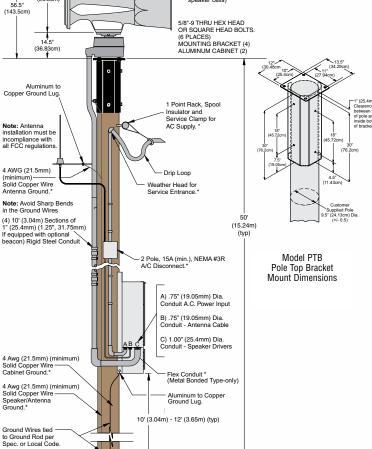








"Our Mass Notification Products Speak for Themselves"™



Ground Rods\* per Spec, or Grounding per Local Codes. \* Customer Supplied

① A 6.00" Wide Mounting Channel adds 3.50" in Height and 2.00" in Depth

Less batteries, Two batteries, add 115 Lbs. (40.9kg)