WPS2910 Ten Cell



Mass Notification Warning Product

WPS2910 with

optional VALERTR and Solar SBC280

Whelen's Mass Notification WPS2900 Series omnidirectional voice product delivers clear, powerful voice communication.

SYSTEM FEATURES

- WPS2910 Ten omni-directional speaker cells assembled in a vertical column
- Three compartment (Type III) natural finish aluminum or stainless steel cabinet
- Speaker cell includes ten high efficiency 400 watt EZ-PULL™ speaker drivers
- 50' cable included
- Pole top mounting bracket included
- Public address and pre-recorded voice message capability
- AC temperature compensated "tri-mode" 10 amp battery charger
- Local or remote controls available
- Battery powered
- Ten power amplifiers
- Electronic controller
- Tone Generator
- Timer
- Local control push-buttons
- Battery switch
- RDVM1G digital voice option, one hour of message recording time
- SI TEST ®
- SLIDEOUT[™] battery tray
- Lightning arrestor
- Six standard warning tones Wail, Whoop, Alert, Attack, Hi-Lo, Airhorn

SYSTEM OPTIONS

- Solar option Two each 80 watt panels, with brackets and solar regulator
- Batteries Four each Delco S2000 or Interstate Workaholic 31-MHD Batteries. Check Whelen's web site, www.whelen.com, for other recommended batteries
- Microphone for use at the cabinet (locally) or at the control point (remotely)

ACTIVATION CONTROLS

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

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

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, from ACE, MOSCAD and FSK.

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

ONE-WAY CONTROLS

- AUXIN Auxilliary board for contact closure activation
- D2030LL 10 digit DTMF Landline
- D2030NV 10 digit DTMF VHF High-Band Narrow-Band
- D2030NU 10 digit DTMF UHF Narrow-Band
- WPSTT Two-tone sequential option (one-way radio package must be ordered from above options)

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 one-way and two-way controls above to FSK format
- STATUS Cabinet window LED status indicator
- PGINT Paging interface
- INTRUWPS Intrusion alarm





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Specifications

| Component | Height Inches (CM) | Width Inches (CM) | Depth Inches (CM) | Weight Lbs. (kg) |
|---------------------------------|-------------------------------|------------------------------|----------------------|---------------------|
| WPS2910 Speaker | 132.9 (337.6) | 33.4 (84.8) | - | 558 (253.1) |
| Electronics Cabinet Type III | 74.5 (189.2) | 33.2 (84.3) | 12 (30.5) | 240 (108.9) |
| Pole Top Bracket (Optional) | 30.5 (77) (with top plate) | 12.0 (30.5) x 13.5 (34.3) | See Drawing | 68 (30.9) |

Batteries add 230 lbs. Pallets, boxes and skids add weight. Check with Whelen if a freight quote is needed.

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: (4) 12 V, 115 AH lead calcium ■ Standby Current: 80mA, 24 VDC
- Operating Current: 221 A, 24 VDC
- Power Amplifier Output Power: Tone: 4000 watts, Voice: 5000 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 THE FOLLOWING

■ WPS2910 – Speaker assembly with 50′ cable & electronics cabinet with all the standard components including voice boards for pre-recorded messages

- AUXIN (one-way) / AUXCS (two-way) Auxiliary boards for contact closure activation
- D2030LL / D2030NV / D2030NU One-way controls
- C2030LL / C2030NV / C2030NU Two-way controls
- WPSTT 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
- RTM Roof top mount
- SBC280 Solar option

OPTIONAL LIGHTING ACCESSORIES

- VALERT* VisuAlert™ lighting accessory
- L31H*F4 L31 LED, 24VDC
- ISB24* 24VDC strobe
- SCWPS Strobe/LED controller with mounting plate, hardware and harnessing for ISB24
- LCWPS LED controller with mounting plate, hardware and harnessing for L31
- STCTRL Strobe controller only
- LEDCTRL LED controller only
 - * Specify color A=Amber, B=Blue, R=Red, C=White/Clear, G-Green

Acoustic Performance

Wattage: 4000 watts

Estimated Range: 6,100 ft / 1859 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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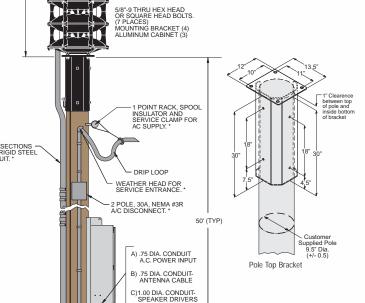
HEIGHT see chart







"Our Mass Notification Products Speak for Themselves"™



SPEAKER DRIVE AND SOLAR FLEX CONDUIT *

CLASS 1 OR 2 UTILITY POLE.*

GROUND RODS * PER SPEC, OR GROUNDING PER LOCAL CODES.

4 AWG COPPER WIRE CABINET GROUND. *

4 AWG COPPER WIRE SPEAKER, ANTENNA, GROUND. *

GROUND WIRES TIED TO GROUND RODS PER SPEC. OR CODE.