

WPS2909 Nine Cell



Mass Notification Warning Product

Whelen's Mass Notification WPS2900 Series omni-directional voice product delivers clear, powerful voice communication.

SYSTEM FEATURES

- **WPS2909** – Nine omni-directional speaker cells assembled in a vertical column
- Three compartment (Type III) natural finish aluminum or stainless steel cabinet
- Speaker cell includes nine high efficiency 400 watt EZ-PULL™ speaker drivers
- 50' (15.24m) 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
- Nine power amplifiers
- Electronic controller
- Tone Generator Timer
- Local control push-buttons
- Battery switch
- **RDVM1G** – digital voice 1-28 message capable
- **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)
- **VisuAlert**™ – Omni-Directional visual warning Model **VALERT*** for 2900 Series
- **L31H*F4** – Top mount high dome beacon for 2900 Series, 24 VDC

ACTIVATION CONTROLS

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

- Radio
- Radio interface
- Tone or digital squelch
- 3-5 dB gain omni-directional antenna with bracket
- 35' (10.67m) 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/138-174MHz
- **D2030NU** – 10 digit DTMF UHF Narrow-Band /450-470MHz
- **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/138-174MHz
- **C2030NU** – 10 digit DTMF UHF Narrow-Band /450-470MHz

OPTIONS

- **STATUS** – Cabinet window LED status indicator
- **PGINT** – Paging interface
- **INTRUWPS** – Intrusion alarm



Optional VALERT*

Solar SBC280 option



Type III Electronic Cabinet



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Specifications

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (kg)
WPS2909 Speaker	118.0 (299.72)	33.4 (84.84)	–	535 (242.67)
Electronics Cabinet Type III (Aluminum)*	74.5 (189.23)	33.2 (84.33)	12 (30.5)	233 (105.7)
Pole Top Bracket	30.5 (77.47) (with top plate)	12.0 (30.5) x 13.5 (34.3)	See Drawing	71 (32.20)

Batteries add 230 lbs. (104.32 kg) *Stainless cabinet option adds 80 lbs. (36.29 kg)
Pallets, boxes and skids add weight. Check with Whelen if a freight quote is needed.

Electrical

- **Battery Charger Input:** 120VAC, 60Hz, 7A fuse (240VAC 50/60 Hz available)
- **Battery Charger Output:** 28VDC, 10A (nominal)
- **Batteries:** (4) 12V, 115AH lead calcium
- **Standby Current:** 82mA, 24VDC
- **Operating Current:** 199A, 24VDC
- **Power Amplifier Output Power:** Tone: 3600 watts, Voice: 4500 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

- **WPS2909** – 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 controls
- **C2030LL/C2030NV/C2030NU** – Two-way controls
- **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
- **RTM** – Roof top mount
- **SBC280** – Solar option

OPTIONAL LIGHTING ACCESSORIES

- **VALERT*** - VisuAlert™ lighting accessory
- **L31H*F4** – L31 LED, 24VDC
- **LCWPS** – LED controller with mounting plate, hardware and harnessing for L31
- **LEDCTRL** – LED controller only

* Specify color A=Amber, B=Blue, R=Red, C=White/Clear

Acoustic Performance

Wattage: 3600 watts

Estimated 70dB Range: 5,800 ft / 1768 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.

WARNING: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.

MASS NOTIFICATION PRODUCTS

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“Our Mass Notification Products Speak for Themselves”™

