

# WPS2902 Two Cell



## Mass Notification Warning Product

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

### SYSTEM FEATURES

- **WPS2902** – Two omni-directional speaker cells assembled in a vertical column
- Two compartment (Type II) natural finish aluminum or stainless steel cabinet
- Speaker cell includes two 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
- Two 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** – 2 each 80 watt panels, with brackets and solar regulator
- **Batteries** – 2 each Delco S2000 or Interstate Workaholic 31-MHD Batteries. Check Whelen's web site, [www.whelen.com](http://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. **BLUE BOLD** 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/138-174 MHz
- **D2030NU** – 10 digit DTMF UHF Narrow-Band /450-470 MHz
- **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/138-174 MHz
- **C2030NU** – 10 digit DTMF UHF Narrow-Band /450-470 MHz

### OPTIONS

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



Type II Electronic Cabinet

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## Specifications

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (kg)
WPS2902 Speaker	31.20 (79.24)	33.4 (84.84)	–	168 (76.20)
Electronics Cabinet Type II (Aluminum)*	60.5 (153.67)	33.2 (84.33)	12.0 (30.50)	139 (63.1)
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 115 lbs. (52.16 kg) \*Stainless cabinet option adds 58 lbs. (26.31 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:** (2) 12V, 115AH lead calcium
- **Standby Current:** 82mA, 24VDC
- **Operating Current:** 45A, 24VDC
- **Power Amplifier Output Power:** **Tone:** 800 Watts, **Voice:** 1000 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

- **WPS2902** – 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
- **WPSNMCIC** – 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:** 800 watts

**Estimated 70dB Range:** 2,400 ft / 732 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

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