WPS2901 One Cell

Mass Notification Warning Product

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

SYSTEM FEATURES
- **WPS2901** – One omni-directional speaker cell assembled in a vertical column
- Two compartment (Type II) natural finish aluminum or stainless steel cabinet
- Speaker cell includes one high efficiency 400 watt speaker driver
- 50’ (15.24m) cable included
- Pole top mounting bracket included
- Public address and pre-recorded voice message capability
- Local or remote controls available
- Battery powered
- One power amplifier
- AC temperature compensated “tri-mode” 10 amp battery charger
- 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, 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
- Phasor
- **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** in callout indicates the Whelen Model:

ONE-WAY CONTROLS
- **AUXIN** – Auxiliary 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
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: 23A, 24VDC  
Power Amplifier Output Power: Tone: 400 watts, Voice: 500 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  
WPS2901 – 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
- WPSCNMC – Microphone for public address use at the cabinet
- WPBATT – 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 & L32
- LEDCTRL – LED controller only

Acoustic Performance
Wattage: 400 watts  
Estimated 70dB Range: 1,500 ft / 458 m

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.