

WPS-2800-7

High-Power Voice and Siren System

Whelen's WPS-2800 Series Omni-Directional High-Power Voice and Siren Systems deliver clear and powerful voice and siren communication.

WPS-2800-7 BASIC SYSTEMS

Speaker Assembly:
Seven WPS-2800 Speaker Cells, 50' of speaker cable and pole top mounting bracket.

Electronics Cabinet:
Three compartment, natural finish aluminum Type III case.
Upper compartment: Seven Power Amplifiers; Two System Motherboards; Power Supply; ESC-864 Electronic Siren Controller with integral timer, tone generator, local controls and microphone jack; battery switch and battery charger.
Lower compartments: four heavy duty lead calcium batteries and battery trays.



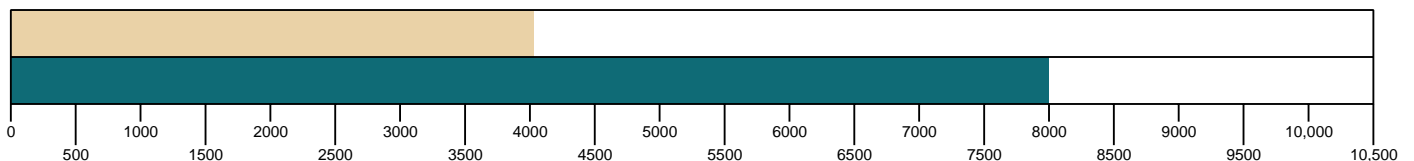
Acoustic Performance

SPL @ 100': 123dBc

Estimated 70dB range: 4,000'

Estimated 60dB range: 8,000'

Note: 100' performance levels listed represent repeatable results within +/-2dB to stated levels. Estimated 70dB perimeter is based on the Federal Emergency Management Agency's (FEMA) -10dB per distance doubled path model.



SYSTEM FEATURES

- 123dBc @ 100'.
- 4,000' Estimated 70dB Warning Perimeter.
- Six Warning Tones.
- Public Address.
- Battery Powered with AC temperature compensated Battery Charger.
- Local Controls or Remote Controls.
- Seven High Efficiency 400 Watt Speaker Drivers. (One Per High Gain Cell).

OPTIONS

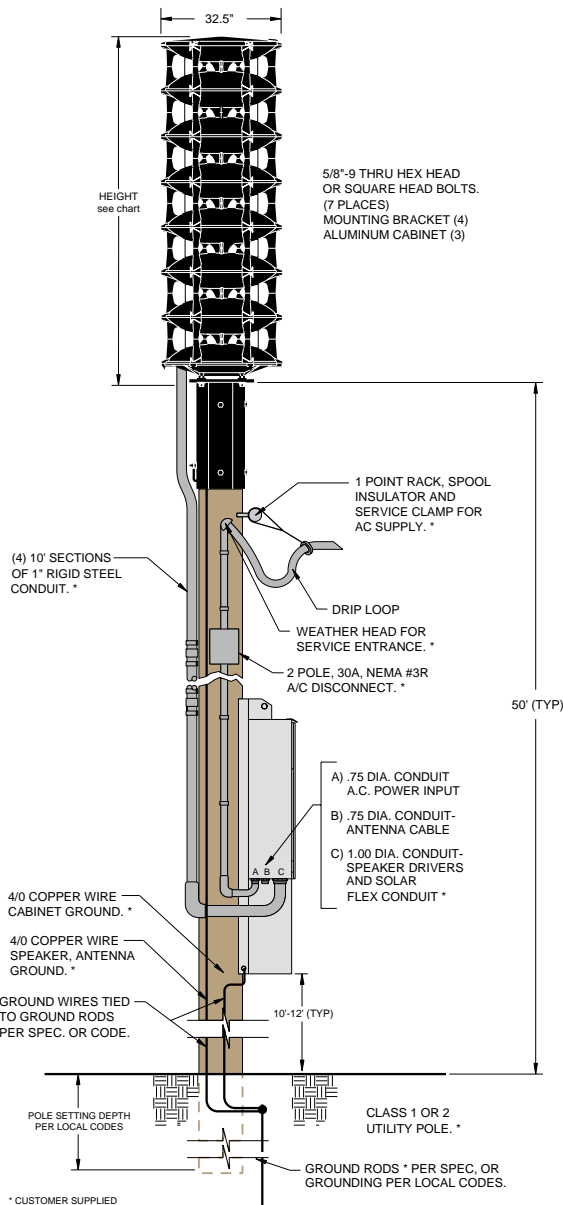
- Diagnostic Silent Test (SI TEST®).
- Remote Station Status Monitoring, COMM/STAT™.
- Remote Station Digital Voice up to 16 messages.
- Solar Power.



WPS-2800-7

Specification Data

| Component | Height Inches (CM) | Width Inches (CM) | Depth Inches (CM) | Weight Lbs. (KG) |
|------------------------------|--------------------|-------------------|-------------------|------------------|
| WPS-2800-7 SPEAKER | 93.2 (237) | 32.5 (82.5) | — | 416 (188.7) |
| ELECTRONICS CABINET TYPE III | 64.4 (164) | 30.0 (76) | 10.0 (25.4) | 431 (195.9) |
| POLE TOP BRACKET | 30.5 (77) | 12.0 (30.5) | 10.0 (25.4) | 71 (32) |

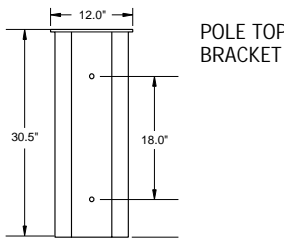
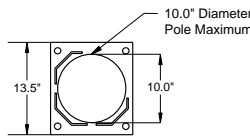


ELECTRICAL

Battery Charger Input: 120VAC, 60Hz, 7A fuse
 Battery Charger Output: 28VDC, 10A
 Batteries: (4) 12V, 115AH lead calcium
 Standby Current: 135mA, 24VDC
 Operating Current: 155A, 24VDC
 Power Amplifier Output Power:
 Siren: 2800 Watts
 Voice: 3500 Watts

ENVIRONMENTAL

Operating Temperature: -35°C to +60°C
 Storage Temperature: -65°C to +125°C
 Humidity, Non Condensing: 0 to 95%



TYPE III
ELECTRONIC CABINET

WHELEN[®] ENGINEERING COMPANY, INC.

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ORDERING INFORMATION

Basic System: WPS-2800-7 Basic System Options:

- STP666A: Diagnostic Silent Test, SI TEST[®]
- RDVM: Remote Station Digital Voice¹
- D86410, D864L10, D864H10, D864U10: One-Way Radio Control²
- C86410, C864L10, C864H10, C864U10: Two-Way Radio Control/Status Monitoring, COMM/STAT^{TM2}
- CTCSS-R: Tone Squelch, Receive
- CTCSS-RT: Tone Squelch, Receive and Transmit
- INTRU: Intrusion Alarm
- LBALARM: Low Battery Alarm
- SBC-2/40, SBC-2/60: Solar Power³

NOTES

1. 1-16 messages available. Available message lengths: 15, 30 or 60 seconds.
2. 10 Digit DTMF Controls.
 Landline
 VHF Low Band (L), 30 - 50Mhz
 VHF High Band (H), 150 - 170Mhz
 UHF (U), 450 - 470Mhz
 VHF Low Band systems equipped with unity gain antenna. VHF High Band and UHF Systems equipped with 2 - 3dB gain omni-directional antenna. 35' RG58 antenna cable and antenna mounting bracket included.
3. Solar power option includes 2 - 40 or 2 - 60 watt panels, mounting bracket and regulator, (SBC-2/40, SBC-2/60).