

TSUNAMI WARNING

WHELEN[®]

Indiscriminate Voice Warning for Coastal Areas

Designing and manufacturing Whelen Engineering's WPS2900 Series for use as a Tsunami warning siren is not new. Oregon's Cannon Beach has had a Whelen system warning its residents and tourists alike since 1988. Designed to withstand constantly changing coastal environments, our design process, the materials used in manufacturing and the quality we put into our product are the reasons why we are the industry leader.

BENEFITS

- Indiscriminate warning - you do not need an expensive pager or cell phone to be warned. Voice sirens will not discriminate. They will warn everyone within a specified area.
- Wireless activation of Sirens, even in the absence of AC power
- All Sirens are battery-operated
- Solar charging systems available for areas absent of AC power
- Clear and effective public address broadcasting
- Clear and concise **ALERT** and **INFORM**. **ALERT** with a tone, **INFORM** with a digitized custom voice message
- Voice messages can be customized for language and duration appropriate to YOUR community, with YOUR instructions
- Standard message memory storage is 240, 480 or 960 seconds
- Coastal area populations often increase substantially, depending upon what time of year it is. Voice sirens eliminate confusion for the tourist, before, during and after an event
- Individual control over remote sites. Sometimes it is not necessary to warn all, just a few.

FEATURES

- Specifically designed for coastal applications
- Choice of 1 to 10 Omni-Directional Speaker Cells Assembled in a vertical column. Whelen siren speaker arrays are made of UV stabilized LEXAN[®] 3433R. This material will stand up to moisture, salt and wind **better** than our competitor's metal speakers.
- Ten models, 109dBC to 129dBC

FEATURES (Cont'd)

- Omni-directional aero-dynamic design allows for high wind conditions
- Our electronics cabinets (Type II or Type III) are made of "5052", a corrosion-resistant aluminum-magnesium alloy. Tensile strength range 31,000 to 44,000 psi. Easy to work with and extremely strong. Other uses include aircraft fuel tanks, utensils and fan blades. "5052" is much better than our competitor's stainless product, because over time in these coastal salt environments, stainless will rust and "5052" will not.
- Temperature-Compensated battery charger
- Each speaker cell uses one **EZ-PULL™** 400 watt driver, eliminating distortion and power loss that occurs from mixing the outputs of multiple speaker drivers in a cell - as found in competitive systems.
- The **EZ-PULL™** driver is Whelen Engineering's latest innovation. A handled plate connected to our 400 watt driver is an industry first. Serviceability of Whelen sirens has never been easier.
- Local Controls or Remote Controls
- One to 10 Power Amplifiers, depending upon model.
- Electronic Siren Controller
- Tone Generator
- Timer
- Local Control Push Buttons
- Battery Switch
- SI TEST[®] - Whelen's silent test feature is unique to Whelen only
- Battery Tray
- Lightning Arrestor
- Six Standard Public Warning Tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn



Type II Electronic Cabinet



WPS 2905
5 Cell Siren

TSUNAMI WARNING

"Our Sirens Speak for Themselves"

Sites and Testimonial

Whelen sirens are in the following Pacific and Atlantic coastal communities, industrial facilities and military installations, some over 20 years!:

<i>Eielson, AK</i>	<i>Cherry Point, NC</i>
<i>Prudhoe Bay, AK</i>	<i>Camp Lejeune, NC</i>
<i>Elmendorf, AK</i>	<i>Portsmouth, VA</i>
<i>Kenai, AK</i>	<i>Baltimore, MD</i>
<i>Bellingham, WA</i>	<i>Ocean Grove, NJ</i>
<i>Seattle, WA</i>	<i>Point Pleasant, NJ</i>
<i>Cannon Beach, OR</i>	<i>NY-NJ Port Authority</i>
<i>South Beach, OR</i>	<i>Staten Island, NY</i>
<i>Camp Pendleton, CA</i>	<i>West Hampton, NY</i>
<i>San Diego, CA</i>	<i>East Hampton, NY</i>
<i>Coronado, CA</i>	<i>Milford, CT</i>
<i>San Clemente, CA</i>	<i>Waterford, CT</i>
<i>Berkeley, CA</i>	<i>Misquamicut, RI</i>
<i>Homestead, FL</i>	<i>Martha's Vineyard, MA</i>
<i>Fort Pierce, FL</i>	<i>Seabrook, NH</i>
<i>Brunswick, GA</i>	<i>Wiscasset, ME</i>
<i>Savannah, GA</i>	
<i>Port Wentworth, GA</i>	
<i>Parris Island, SC</i>	
<i>Beaufort, SC</i>	

WHELEN[®]

ENGINEERING COMPANY, INC.

PUBLIC WARNING PRODUCTS

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reserves the right to upgrade its products with design
improvements without notification.
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Whelen is also well-known worldwide, with installations in the following Territories and Countries:

<i>Afghanistan</i>	<i>Kyrgyzstan</i>
<i>Africa</i>	<i>Lebanon</i>
<i>Bahrain</i>	<i>Mexico</i>
<i>Brazil</i>	<i>Mongolia</i>
<i>Burma</i>	<i>Nigeria</i>
<i>Canada</i>	<i>Norway</i>
<i>Chile</i>	<i>Oman</i>
<i>Costa Rica</i>	<i>Philippines</i>
<i>Denmark</i>	<i>Puerto Rico</i>
<i>Dubai</i>	<i>Qatar</i>
<i>England</i>	<i>Saudi Arabia</i>
<i>Finland</i>	<i>South Korea</i>
<i>Germany</i>	<i>Sierra Leone</i>
<i>Greenland</i>	<i>Singapore</i>
<i>Guam</i>	<i>South Africa</i>
<i>Guatemala</i>	<i>Taiwan</i>
<i>Iceland</i>	<i>Turkey</i>
<i>Indonesia</i>	<i>United Arab Emirates</i>
<i>Iraq</i>	<i>Venezuela</i>
<i>Italy</i>	<i>Virgin Islands</i>
<i>Japan</i>	
<i>Jordan</i>	
<i>Kuwait</i>	

Testimonial

State-of-the-Art Tsunami Warning System in Cannon Beach, Oregon

"A coastal community's sudden need to evacuate visitors numbering in the thousands from flood hazard zones, with many entirely unfamiliar with life-threatening tsunami dangers, may challenge the capabilities of many Pacific Northwest Coast emergency services organizations. Oregon's nine-mile long Cannon Beach area effectively prepares for that challenge by having a state-of-the-art self-powered (Whelen Engineering) electronic siren and public address community warning system."

- Alfred A. Aya, Jr., Cannon Beach, Community Warning System Development