

# IPS-400/800

## In-Plant Personnel Warning System

### Transmit life-saving information instantly to personnel throughout your facility.

Eliminate confusion at the onset of an emergency. Issue a siren alert and follow it with a voice message: Summons First Responders; Report Medical Emergencies; Sound Alarm; Alert for Chemical Incident and Issue Evacuation Alert.

A self-contained unit, the compact IPS-400/800 is the cost effective delivery system for providing warning communication throughout your facility. It eliminates extensive and expensive wiring of speakers back to a central control point. Speakers are wired directly to the IPS-400/800 remote station which is linked to a central control point or points via RF or landline (telephone circuit) permitting multiplexed control and remote station supervision.

### FEATURES

- Two compartment, natural finish aluminum cabinet.
- Smart microprocessor based controller.
- Tone generation, with multiple warning tones.
- Pre-recorded digital voice messages.
- Live public address.
- Communication facilities for remote control and status reporting.
- One or two 400 watt power amplifiers (One for IPS-400; two for IPS-800) for use with combinations of speakers.
- Operates from its own battery supply. In the event of an AC power failure, the IPS-400/800 will run up to 30 minutes from a fully charged set of batteries.
- Can be expanded or adapted as your requirements grow or change.
- Features same field-proven electronics as Whelen's Outdoor High-Power Voice and Siren Systems.

**WHELEN**<sup>®</sup>  
ENGINEERING COMPANY, INC.



# IPS-400/800

## Specification Data

### BASIC SYSTEM

System includes:  
Two compartment, natural finish aluminum case.  
Upper compartment:  
Power amplifier(s)  
(1: IPS-400, 2: IPS-800);  
ESC-864 Electronic Siren Controller with tone generator; local control push buttons, local microphone input and timer; System board and battery charger.  
Lower compartment:  
2 Gel Cell batteries (IPS-400: 2-31 ah, IPS-800: 2-55ah).  
Speakers and speaker cable not included.

### ELECTRICAL DATA

AC input: 120 / 240 v, 60 Hz, 1.5 amp. fuse.  
DC Output: 28 VDC @ 2.0 amp.  
Power Amplifier: 400 watts, 4 output channels per power amplifier.  
Tone Generation: 7 warning signals standard.  
Public address: standard.

### PHYSICAL DATA

Height: 32.5" (82.6cm)  
Width: 29.0" (73.7cm)  
Length: 8.0" (20.3cm)  
Weight: IPS-400 120 lbs. (54.4kg)  
IPS-800 160 lbs. (72.6kg)

### OPTIONS AND ACCESSORIES

Remote station digital voice with up to sixteen prerecorded 15, 30 or 60 second voice messages; on-board System Diagnostics; Landline or RF linked remote controls and remote station status reporting capability; paging interface.

### APPLICATION ASSISTANCE

Contact Whelen Engineering for application assistance in planning your in-plant system. We take many factors into consideration including immediate and long term needs.

# WHELEN®

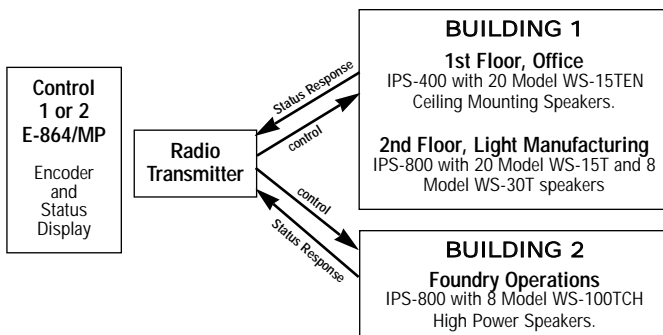
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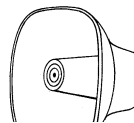
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### A SYSTEM APPROACH

A facility has two main control centers monitoring plant operations. One plant area is used for light manufacturing and office operations. This requires many low powered speakers allocated over several zones. The second plant area includes heavy manufacturing with high ambient noise levels and requires powerful speakers and visual alerting. In this area alarms may also require local activation. The system diagram below illustrates one solution for the application.



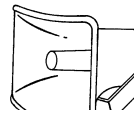
### SPEAKER OPTIONS



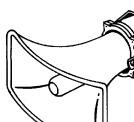
**WS15T / WS30T / WS60T** Weatherproof, 15, 30 or 60 watt re-entrant loud speakers with multi-tapped, line matching transformers for output adjustment. Includes mounting bracket for vertical or horizontal installation.



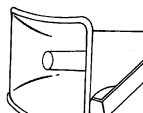
**WS15TR / WS15TEN** 15 watt re-entrant loud speakers with multi-tapped, line matching transformers for output adjustment. Ideal for recessed mounting applications.



**WS100** Heavy Duty, 100 watt re-entrant loud speaker with wide angle horn. Mounting bracket is included for vertical, horizontal or stacked installations.



**WS100TCH** Heavy-Duty, weatherproof, 100 watt, wide angle reentrant loud speakers with multi-tapped, line matching transformers for output adjustment. Rugged cast aluminum housing. Includes mounting bracket for horizontal or vertical installations.



**WSXPL60T** For explosive or combustible atmospheres. UL and CSA listed, 60 watt re-entrant, wide angle loud speaker, features a heavy duty cast aluminum housing. Includes mounting bracket for horizontal or vertical installations, and multi-tapped line matching transformer. Specify environment by Class and Group rating when ordering.