

## All Hazard In-Plant Personnel Warning System with Supervision

*Whelen's SIPS Series Products delivers clear, powerful tone and voice warnings, eliminating confusion at the onset of an emergency*

### SYSTEM FEATURES

- SIPS400/SIPS800
- Two Compartment (Type I) Natural Finish Aluminum Cabinet.
- Public Address Capability
- Supervisor Board
- Two Gel Cell Batteries
- Battery Powered, Minimum of 30 Minutes of Full Power Output
- AC Temperature Compensated 5 Amp Battery Charger
- Local Controls or Remote Controls
- One or Two Power Amplifiers (One for SIPS400; Two for SIPS800) for Use with Combinations of Speakers
- Electronic Siren Controller
- Tone Generator
- Timer
- Local Control Push Buttons
- Battery Switch
- SI TEST®
- Battery Tray
- Six Standard Public Warning Tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn.
- End-of-Line Resistors Included for Line Supervision

### SYSTEM OPTIONS

- RDVM - Digital Voice Message Capability<sup>(1)</sup>
- WPSNCMIC - Noise Cancelling Microphone
- STCTRL - Strobe Controller for Strobes (Contact Factory for More Information)
- Alternate Tone Set

### NOTES:

(1) RDVM - 1-16 messages available. Available message lengths: 15, 30 or 60 seconds.

### SIREN ACTIVATION CONTROLS

Our VHF High and UHF siren activation control packages include the following:

- Radio
- Radio Interface
- Tone Squelch
- 2-3dB Gain Omni-Directional Antenna with Bracket
- 35' of RG58 Antenna Cable
- SI TEST

Other features are dependant upon the two-way controls. Whelen equipment can be interfaced with many different types of two-way radio communications products and systems including 800Mhz trunking, Motorola's MOSCAD, FSK, Narrow-Band and VHF Low Band.

The following is available:

#### TWO WAY CONTROLS

- AUXCS - Two-Way Contact Closure Activation and Status Board
- C2020LL - Two-Way Landline Activation
- C2020H - 10 Digit DTMF VHF High Band / 150-170 Mhz
- C2020U - 10 Digit DTMF UHF / 450-470 Mhz

#### Options:

- FSKXMOD - Converts the Above Siren Activation Controls to FSK Format
- STATUS - Cabinet Window LED Status Indicator
- PGINT - Paging Interface to Interface Whelen Tones with Existing Paging Systems
- INTRU - Intrusion Alarm

### SPEAKERS

- WS15TC - Wide Angle, 15 Watt Speaker
- WS15TRC - Recess Mount, 15 Watt Speaker
- WS15TENC - Recess Mount, 15 Watt Speaker with Grill
- WS30TC - Wide Angle, 30 Watt Speaker
- WSX60TC - Explosion-Proof, 60 Watt Speaker
- WS100TCC - Wide Angle, 100 Watt Speaker, with Weatherproof Housing

All of the above speakers include level adjustment multi-tab transformers and a capacitor for line level supervision.



SIPS 400/800  
TYPE I ELECTRONIC CABINET

# SIPS400 / SIPS800

## Specification Data

### PHYSICAL DATA

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

### ELECTRICAL DATA

**AC input:** 120 / 240 v, 60 Hz.  
**DC Output:** 28 VDC @ 5 A  
**Power Amplifier:** 400 watts, 4 output channels per power amplifier.  
**Tone Generation:** 7 warning signals standard.  
**Public Address:** standard.

### ORDERING INFORMATION

**BASIC SYSTEM INCLUDES ALL OF THE FOLLOWING:**

- **SIPS400 / SIPS800** - Electronics Cabinet
- SPEAKERS:**
- **WS15TC** - Wide Angle, 15 Watt Speaker
- **WS15TRC** - Recess Mount, 15 Watt Speaker
- **WS15TENC** - Recess Mount, 15 Watt Speaker with Grill
- **WS30TC** - Wide Angle, 30 Watt Speaker
- **WSX60TC** - Explosion-Proof, 60 Watt Speaker
- **WS100TCC** - Wide Angle, 100 Watt Speaker, with Weatherproof Housing

**OPTIONS:**

- **RDVM** - Remote Station Digital Voice <sup>1</sup>
- **AUXCS**, Auxiliary / Status Control Board for Contact Closure Activation and Status
- **C2020LL, C2020H, C2020U** - Two-Way Radio Control / Status Monitoring, COMM / STAT™ <sup>2</sup>
- **WPSTT**, Two Tone Sequential
- **FSKXMOD**, FSK Format
- **STATUS**, Cabinet Window LED Status Indicator
- **PGINT**, Paging Interface to Interface Whelen Tones with Existing Paging Systems
- **INTRU**, Intrusion Alarm

#### NOTES

1. 1-16 messages available. Available message lengths: 15, 30 or 60 seconds.
2. 10 digit DTMF Controls.  
 Landline  
 VHF High Band / 150-170 Mhz  
 UHF / 450-470 Mhz  
 Our VHF High and UHF siren activation control packages include tone squelch, radio, radio interface, 2-3db gain omni-directional antenna with bracket, 35' of RG58 antenna cable and polyphaser.

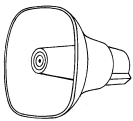


Route 145, Winthrop Road  
 Chester, Connecticut 06412-0684  
 (860) 526-9504  
 1-800-637-4736  
 Fax: (860) 526-4784  
 Internet: www.whelen.com  
 e-mail: iow-sales@whelen.com

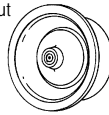
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### SPEAKER OPTIONS

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



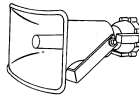
**15 watt re-entrant** loud speakers with multi-tapped, line matching transformers for output adjustment. Ideal for recessed mounting applications.



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



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.



### ELECTRICAL

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 with line level supervision. The second plant area includes heavy manufacturing with high ambient noise levels and requires powerful speakers with device level supervision. The system diagram below illustrates one solution for the application.

### SYSTEM DIAGRAM

