

Mass Notification In-Plant Personnel Warning System

Whelen's IPS Series Products deliver clear, powerful tone and voice warnings, eliminating confusion at the onset of an emergency.

IPS1200 SYSTEM FEATURES

- Type II Natural Finish Aluminum Cabinet
- Public Address Capability
- Two Lead Acid Batteries
- Battery Powered, Minimum of 30 Minutes of Full Power Output
- AC Temperature Compensated 5 Amp Battery Charger
- Local Controls or Remote Controls
- Three Power Amplifiers 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.

SYSTEM OPTIONS

- RDVM - Digital Voice Message Capability¹
- WPSNCMIC - Noise Cancelling Microphone
- STCTRL - Strobe Controller for Strobes (Contact Factory for More Information)
- Alternate Tone Set

NOTES:

¹ RDVM - 1-16 message capability with 240, 480 or 960 seconds available for recording

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

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 including 800Mhz trunking, Motorola's MOSCAD, FSK, Narrow-Band and VHF Low Band. The following is available as standard options. Contact factory for special applications.

ONE WAY CONTROLS

- AUXIN - Auxiliary Board for Contact Closure Activation
- D2020LL - 10 Digit DTMF Landline Activation
- D2020H - 10 Digit DTMF VHF High Band / 150-170 Mhz
- D2020U - 10 Digit DTMF UHF / 450-470 Mhz
- WPSTT - Two Tone Sequential Option

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
- C2020NH - 10 Digit DTMF VHF High Band Narrow-Band
- C2020NU - 10 Digit DTMF UHF Narrow-Band

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 (available with two-way only)

SPEAKER OPTIONS

- WS15T - Wide Angle, 15 Watt Speaker
- WS15TR - Recess Mount, 15 Watt Speaker
- WS15TEN - Recess Mount, 15 Watt Speaker with Grill
- WS30T - Wide Angle, 30 Watt Speaker
- WS60T - Wide Angle, 60 Watt Speaker
- WSXPL60T - Explosion-Proof, 60 Watt Speaker
- WS100 - Wide Angle, 100 Watt Speaker
- WS100TCH - Wide Angle, 100 Watt Speaker with Weatherproof Housing

All of the above speakers (except WS100) include level adjustment multi-tab transformers and a capacitor for line level supervision.



IPS1200 TYPE II
ELECTRONIC CABINET

IPS1200

Specification Data

PHYSICAL DATA

Height: 57.5" (146cm)
Width: 30.0" (76cm)
Depth: 14.0" (35.5cm)

ELECTRICAL DATA

AC input: 120 / 240 V, 60Hz,
7 amp Fuse
DC Output: 28 VDC @ 10 amp
Power Amplifier: 1200 watts
total from three amplifiers with
4 channels each @100 watts
output per channel
Tone Generation: 6 warning
signals, standard
Public Address: Standard

ORDERING INFORMATION

SYSTEM COMPONENT LISTING:

- **IPS1200** - Electronics Cabinet
- SPEAKERS:**
- **WS15T** - Wide angle, 15 watt speaker
- **WS15TR** - Recessed mount, 15 watt speaker
- **WS15TEN** - Recessed mount with grille, 15 watt speaker
- **WS30T** - Wide angle, 30 watt speaker
- **WS60T** - Wide angle, 60 watt speaker
- **WSXPL60T** - Explosion-proof, wide angle 60 watt speaker
- **WS100** - Wide angle, 100 watt speaker
- **WS00TCH** - Wide angle, 100 watt speaker with weatherproof housing
- All of the Above Speakers (Except WS100) have Adjustable Output.

OPTIONS:

- **RDVM** - Remote Station Digital Voice¹
- **AUXIN** - Auxiliary Board for Contact Closure Activation
- **AUXCS** - Auxiliary / Status Control Board for Contact Closure Activation and Status
- **D2020LL, D2020H, D2020U** - One Way Radio Control²
- **C2020LL, C2020H, C2020U** - Two Way Radio Control / Status Monitoring, COMM/STAT™²
- **C2020NH, C2020NU** - Two-Way Radio Control/Status Monitoring, COMM/STAT™²
- **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

WHELEN®

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SPEAKER OPTIONS



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



WS15TR / WS15TEN
15 watt re-entrant loud speakers
with multi-tapped, line matching
transformers for output adjust-
ment. Ideal for recessed mount-
ing 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, waterproof, 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.



WSXPL60T
For explosive or combustible
atmospheres. 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 when ordering.

NOTES:

- ¹ RDVM - 1-16 message capability with 240, 480 or 960 seconds available for recording
- ² 10 digit DTMF Controls • Landline • VHF High Band / 150-170 Mhz • UHF / 450-470 Mhz
Our VHF High and UHF activation control packages include tone squelch, radio, radio interface, 2-3dB gain omni-directional antenna with bracket, 35' of RG58 antenna cable and polyphaser
- ³ Contact Factory

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.

