IPS1200

All Hazard In-Plant Personnel Warning System

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

**SYSTEM FEATURES**
- **IPS1200**
- Two compartment (Type II) natural finish aluminum cabinet
- Public address and pre-recorded voice message capability
- Battery powered
- AC temperature compensated “tri-mode” 10 amp battery charger
- Local or remote controls available
- Three power amplifiers
- Electronic controller
- Tone Generator timer
- Local control push-buttons
- Battery switch
- SLIDEOUT™ - Pull out battery tray
- Lightning arrestor
- Six standard warning tones: Wail, Whoop, Alert, Attack, Hi-Lo, Airhorn
- RDVM1G, digital voice option, 1-28 message capable

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, from ACE, MOSCAD and FSK.

The following is available as standard options. **BLUE BOLD** indicates the Whelen Model:

**ONE-WAY CONTROLS**
- **AUXIN** – Auxiliary board for contact closure activation
- **D2030LL** – 10 digit DTMF Landline
- **D2030NV** – 10 digit DTMF VHF High-Band Narrow-Band / 138-174MHz
- **D2030NU** – 10 digit DTMF UHF Narrow-Band / 450-470MHz
- **WPSTT** – Two-tone sequential option (one-way radio package must be ordered from above options)

**TWO-WAY CONTROLS**
- **AUXCS** – Two-way contact closure activation and status board
- **C2030LL** – Two-way landline activation
- **C2030NV** – 10 digit DTMF VHF High-Band Narrow-Band / 138-174MHz
- **C2030NU** – 10 digit DTMF UHF Narrow-Band / 450-470MHz

**OPTIONS**
- **PGINT** – Paging interface
- **INTRUWPS** – Intrusion Alarm

**SYSTEM OPTIONS**
- **Microphone** – for use at the cabinet (locally) or at the control point (remotely)

**ACTIVATION CONTROLS**
Our VHF and UHF radio narrow-band control packages feature Whelen protocol COMM/STAT™ and include the following:
- Radio
- Radio interface
- Tone or digital squelch
- 3-5 dB gain Omni-directional antenna with bracket
- 35’ (10.67m) of RG58 antenna cable
- Polyphaser
- SI TEST®
- Low battery alarm (two-way only)

**SPEAKER OPTIONS**
- **WS15T** – Wide-angle, 15 watt speaker
- **WS15TR** – Recess mount, 15 watt speaker
- **WS15TEN** – Recess mount, 15 watt speaker with grille
- **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: 60.5” (154cm)
- Width: 33.2” (84cm)
- Depth: 12.0” (30.5cm)

**ELECTRICAL DATA**
- AC Input: 120 / 240V, 60Hz, 7A fuse
- DC Output: 28VDC @ 5amp.
- Power Amplifier: 1200 watts total from 3 amplifiers with 4 output channels per amplifier @ 100 watts per channel
- Tone Generation: 6 warning signals, standard
- Public Address: Standard

**ORDERING INFORMATION**

**BASIC SYSTEM INCLUDES THE FOLLOWING:**
- IPS1200 - Electronics cabinet including voice board for 1-28 pre-recorded messages

**SPEAKERS:**
- WS15T - Wide-angle, 15 watt speaker
- WS15TR - Recess mount, 15 watt speaker with grille
- 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

**OPTIONS:**
- AUXIN (one-way) / AUXCS (two-way) – Auxiliary boards for contact closure activation
- D2030LL/D2030NV/D2030NU – One-way controls
- C2030LL/C2030NV/C2030NU – Two-way controls
- WPSTT – Two-tone sequential
- PGINT – Paging interface
- INTRUWPS – Intrusion alarm (two-way only)
- MSGPROG – Custom pre-recorded messages
- MSGPROGL – Whelen Library messages
- WPSNCMIC – Microphone for Public Address use at the cabinet

**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.

**MASS NOTIFICATION PRODUCTS**
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**WARNING:** These products may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.