PVX-100
Voice Evacuation System

Features

- Clean Dead-front Construction
- Digitally Recorded Automatic Evacuation Message
  (Up to 20 Minutes of Message Capacity)
- 100 Watt Bullet-Proof Amplifier
- 25 or 70 VRMS Field Selectable
- Class A/B Speaker Circuit
- 120 VAC Power Supply and Battery Charger
- Live Microphone Override of Message and Tone
- Analog Addressable Compatible
- High Reliability, No Maintenance, Fully Supervised
- Easy Installation and Operation
- Studio Quality Voice Recordings
- Built in Alarm and Alert Signals
- Works with 12 VDC or 24 VDC Fire Alarm Panels
- Works with Microprocessor based and Network Fire Alarm Systems
- 3 Minute Message Restart on Microphone Key
- 24 Hour Backup with 12V 7AH Batteries
- Made in the USA

Description

The PVX-100 operates with any Fire Alarm Control Panel (FACP) and provides 100 Watts of speaker power. The PVX-100 has its own power supply and battery charger. Panel must be wired with 120 VAC and standby batteries connected. The PVX-100 is housed in a surface or semi-flush mounted backbox with a hinged and key locked door.

A digital message repeater (DMR) is built into the PVX-100. The selector of alarm tone and automatic message repeats, as well as the 6 hour delay of the AC power failure reporting feature is all field configurable.

The paging microphone is an integral component. Removal of the microphone from the panel will cause a “Trouble” condition which will be reported locally, as well as through the FACP.

The PVX-100 includes all necessary features to provide an effective voice evacuation system. With the addition of zone splitters, selection switches/inputs, remote microphone panels, and expander modules, the PVX-100 can be custom configured to satisfy the needs of most applications.

The PVX-100 is approved to provide 520 hz, low frequency signaling as required by NFPA in sleeping rooms. The PVX-100 is listed as compatible with the following speakers:

- Potter Electric: FASPKR, SPKSTR-24CLP series & SPKSTR-24WLP series
- Gentex Series: SSPKCLP & SSPK24WLP
- System Sensor Series: SPCW, SPCR, SPR & SPW

Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Power</td>
<td>120VAC @1.4A</td>
</tr>
<tr>
<td>24VDC Battery Power</td>
<td>0.16A Standby</td>
</tr>
<tr>
<td></td>
<td>1.1A Alarm</td>
</tr>
<tr>
<td>Output</td>
<td>100 Watts @ 25/70 VRMS</td>
</tr>
<tr>
<td>Backbox Dimensions (WxHxD)</td>
<td>14.5 x 18 x 4”</td>
</tr>
<tr>
<td>Color</td>
<td>Red (standard) Charcoal Grey (optional)</td>
</tr>
</tbody>
</table>

Potter Electric Signal Company, LLC • St. Louis, MO • Phone: 800-325-3936 • www.pottersignal.com
**Engineering Specifications**

The voice evacuation system shall be Potter PVX-100 or approved equal. The voice evacuation system shall provide 100 watts signal power and 100 watts voice power, and shall be UL listed. The voice evacuation shall be micro-processor based, and shall contain an integral microphone, 100W audio amplifier, tone generator, digital message repeater, 120VAC power supply and battery charger.

The voice evacuation message/signal shall be broadcast until the Fire Alarm Control Panel (FACP) is reset, or until fire emergency personnel interrupt the broadcast with a manual page. On reset system shall automatically return to standby (normal operating) condition. A secondary message shall be provided which can be triggered by the closure of a contact from either the FACP or from any normally open contact device. Remote paging microphone(s) will be supported by the system through a supervised circuit. Remote microphone(s) may be mounted up to 5000 feet away from the voice evacuation panel.

**Ordering Information**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Stock Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVX-100/4Z</td>
<td>3500004</td>
<td>100W Voice Evacuation System with:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Power Supply / Battery Charger</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Paging Microphone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Digital Message Repeater</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 4 Speaker Zones (4Z)</td>
</tr>
<tr>
<td>PVX-100/8Z</td>
<td>3500005</td>
<td>• 8 Speaker Zones (8Z)</td>
</tr>
<tr>
<td>PVX-100/12Z</td>
<td>3500006</td>
<td>• 12 Speaker Zones (12Z)</td>
</tr>
</tbody>
</table>

**Optional Components**

- PVX-ZM Zone Module 4-Class B / 2-Class A Circuits
- PVX-SL8 8 Switch/LED Card
- PVX-IL8 8 Input/LED Card
- PVX-OL8 8 Output/LED Card
- PVX-RM / SC Remote MIC / Supervisory Card