

Features

- 100W or 200W Mass Notification System
- Expandable to 2000W
- Listed to UL864/UL2572
- Digitally Recorded EVAC/MNS Messages/Tones
- Live Microphone Override of Message and Tones
- 25 or 70 VRMS Field Selectable
- Up to 30 LOCs
- Optional Switch/Zone/Inputs/Output cards
- 120VAC Power Supply and Battery Charger
- Backup Amplification Option
- Easy Installation and Operation
- High Quality Voice Recordings
- Built in Alarm and Alert Signals
- Compatible with 12/24VDC Fire Alarms Panels
- 3 Minute Message Restart on Microphone Key
- Made in the USA
- Product includes 5 year warranty



Description

The PVX-100 / 200M (ACU) provides a Mass Notification System with maximum flexibility to meet the needs of almost any application. The PVX-100M contains one (1) 100 Watt amplifier while the PVX-200M contains two (2) 100 Watt amplifiers.

The 100/200M can operate as a standalone system or tie into a fire alarm control panel, where fire and MNS are required. Separate output controls make dual strobe control simple. Optional cards allow for zoning, message, input and output control.

LOCs enable systems to have up to 30 remote control locations. Any function in the system is available at the Primary, ACU or the LOC locations.

Technical Specifications

Primary Power	120VAC @ 2A
24VDC Battery Power	0.18A Standby 2.5A Alarm
Amplifier Output	100 Watts @ 25/70 VRMS Tone and Voice
Backbox Dimensions (WxHxD)	14.5" x 27" x 4"
Color	Red (standard) Charcoal Grey (optional)

System Options

PVX-RM8 / PVX-RM16 Local Operating Console (LOC)

Remote MIC with Switch Control. Active/Fault LED Flashes Green to indicate communication, steady Amber to indicate Fault. In-Use LED Indicate steady Red to show lockout. Remote Mic is locked out if any other MIC is In-Use. When the In-Use MIC releases PTT, the Remote MIC will be able to Page. Primary MIC in the EVAX 100M will always have highest priority and be able to override any Remote MIC.

PVX-SL8 Switch-LED Card

Eight (8)-SPDT Momentary Switches and Tri-Color LEDs. Switches can be programmed for Message Activation, Paging or Control. Switch LEDs will indicate steady green on message activation, red on page/alarm and amber on fault with associated speaker circuit.

PVX -IL8 Input-LED Card

Eight (8) Input points and red LEDs. Inputs are activated by external dry contact closure. Inputs may be programmed for message activation or control. On activation the corresponding input LED will indicate.

EVX-OL8 Output-LED Card

Eight (8) Output points and red LEDs. Outputs are solid state N.O. dry contacts rated at 30mA / 24V. Alternately outputs may be tied to a voltage input and feed that voltage out as a drive point. Outputs can be programmed to follow message activation, page or control. On activation the corresponding LED will indicate.

PVX-100M / 200M Mass Notification Systems		
Model Number	Stock Number	Description
PVX-100M/4Z	3500100	100W ACU in cabinet with 8 switches, 4 Class B Spkr Circuits
PVX-100M/8Z	3500101	100W ACU in cabinet with 8 switches, 8 Class B Spkr Circuits
PVX -100M/12Z	3500102	100W ACU in cabinet with 8 switches, 12 Class B Spkr Circuits
PVX-100M/16Z	3500103	100W ACU in Cabinet with 8 switches 16 Class B Spkr Circuits
PVX-200M/8Z	3500104	200W ACU in cabinet with 8 switches, 8 Class B Spkr Circuits
PVX -200M/12Z	3500105	200W ACU in cabinet with 8 switches, 12 Class B Spkr Circuits
PVX-200M/16Z	3500106	200W ACU in Cabinet with 8 switches 16 Class B Spkr Circuits
Mass Notification System Accessories		
PVX-RM8	3510030	Remote MIC LOC with 8 switches
PVX-RM16	3510031	Remote MIC LOC with 16 switches
PVX-ZM	3510014	Zone Module, 4 Class B / 2 Class A Spkr Circuits
PVX-SL8	3510015	Switch / LED, 8 Switches card (1 included with PVX-100M / 200M)
PVX-IL8	3510016	Input/LED, 8 Input card
PVX-OL8	3510017	Output / LED, 8 Output card

Engineering Specifications

The Voice Evacuation System shall be Potter System Series PVX-100M or approved equal. The Voice Evacuation System shall provide 100 watts of signal power and 100 watts of voice power, and all be listed to UL864 and UL2572. All speaker circuits shall be field selectable for 25 or 70 Vrms operation and shall be power limited. The Mass Notification System shall be micro-processor based, and shall contain an integral microphone, 100 Watt audio amplifier, tone generator, digital message repeater, 120VAC power supply and battery charger. The Potter/MNS message/signal shall be broadcast continually until reset manually or by a FACP Silence/Reset. An option for a 10 minute timeout must be provided. Emergency personnel may interrupt the broadcast with a manual page. On reset, the system shall automatically return to standby (normal operating) condition. System must have capacity for a minimum of 16 messages. Messages may be activated by either manual control or by automatic input from either the FACP or from any normally open contact device. Remote paging microphone(s) will be supported by the system and be capable of switch control page zones, messages or control points. Remote microphone(s) may be mounted up to 3000 feet from the system and be fully supervised. System must be capable of supporting up to 30 Remote Microphones.