EVAX by **P POTTER**

Features

- Clean Dead-front Construction
- 8 Megabyte MP3 Driver
- 25/50/100 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 or 24VDC Fire Alarm Panels Works with Microprocessor based and Networked Fire Alarm Systems
- 3 Minute Message Restart on Microphone Key
- 24 Hour Backup with two 12V 7AHr Batteries

ASSEMBLED IN THE USA

UL LISTED
S5661   6911-1446:100

Description

The EVAX-25, EVAX-50 & EVAX-100 panels operate with any Fire Alarm Control Panel (FACP) and provide 25, 50 or 100 Watts of speaker power. The EVAX panel has its own power supply and battery charger. The panel must be wired with 120 VAC and standby batteries connected. The EVAX panel 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 EVAX panel. 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 EVAX panel 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 EVAX panel can be custom configured to satisfy the needs of most applications.
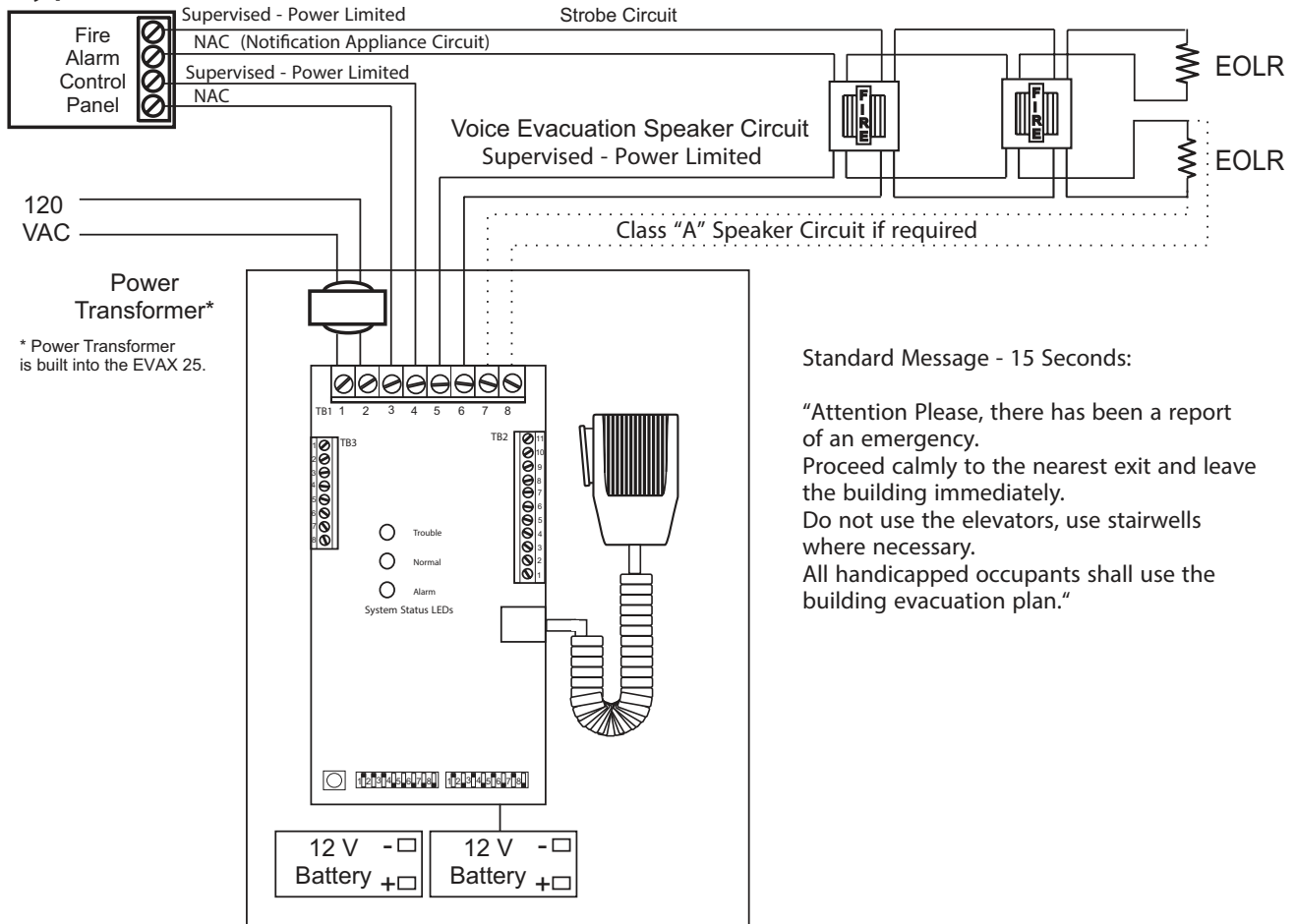
Technical Specifications

Back Box Dimensions (WxHxD)	14.5 x 18 x 4"
Color	Charcoal Grey (Standard) Red (Optional)
EVAX-25	
Primary Power	0.8 A @ 120VAC
24VDC Battery Power	0.18A Standby 1.1A Alarm
Output	25 Watts @ 25/70VRMS
EVAX-50	
Primary Power	0.5 A @ 120VAC
24VDC Battery Power	0.15A Standby 0.8A Alarm
Output	50 Watts @ 25/70 VRMS
EVAX-100	
Primary Power	1.0 A @ 120VAC
24VDC Battery Power	0.16A Standby 0.6A Alarm
Output	100 Watts @ 25/70 VRMS

by POTTER

Typical Wiring EVAX-25/50/100
Fig 1

Typical Installation:

Supervised - Power Limited

NAC (Notification Appliance Circuit)

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NAC

Fire Alarm Control Panel

Strobe Circuit

EOLR

EOLR

Voice Evacuation Speaker Circuit
Supervised - Power Limited

120 VAC

Class "A" Speaker Circuit if required

Power Transformer*

*Power Transformer is built into the EVAX 25.

TB1 1 2 3 4 5 6 7 8

TB3

TB2

○ Trouble

○ Normal

○ Alarm

System Status LEDs

12 V Battery - □ + □

12 V Battery - □ + □

Standard Message - 15 Seconds:

"Attention Please, there has been a report of an emergency.
Proceed calmly to the nearest exit and leave the building immediately.
Do not use the elevators, use stairwells where necessary.
All handicapped occupants shall use the building evacuation plan."

Engineers Specifications

The voice evacuation system shall be Evax Systems Series EVAX-25, EVAX-50, EVAX-100 or approved equal. The voice evacuation system shall provide 25, 50, or 100 watts signal power and 25, 50, or 100 watts voice power, and shall be UL Listed. The voice evacuation system shall be micro-processor based, and shall contain an integral microphone, 25, 50, or 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.

EVAX Ordering Information

Model Number	Description	LB (KG)
Panels include DMR, temporal pattern tone, standard message, microphone, power supply and battery charger.		
EVAX-25	25 W Voice Evacuation System with: • Power Supply/ Battery Charger	29 (13.2)
EVAX-25/4Z	• Paging Microphone • Digital Message Repeater Available with:	29 (13.2)
EVAX-25/8Z	• 4 Speaker Zones (4Z) • 8 Speaker Zones (8Z)	29 (13.2)
EVAX-50	50 W Voice Evacuation System with: • Power Supply/ Battery Charger	32 (14.5)
EVAX-50/4Z	• Paging Microphone • Digital Message Repeater Available with :	32 (14.5)
EVAX-50/8Z	• 4 Speaker Zones (4Z) • 8 Speaker Zones (8Z)	32 (14.5)
EVAX-50/12Z	• 12 Speaker Zones (12Z)* • 16 Speaker Zones (16Z)*	32 (14.5)
EVAX-50/16Z	Note: The 12Z and 16Z are housed in the larger cabinet (Dimensions 14.5W x 27H x 4D)	32 (14.5)
EVAX-100	100 W Voice Evacuation System with: • Power Supply / Battery Charger	32 (14.5)
EVAX-100/4Z	• Paging Microphone • Digital Message Repeater Available with:	32 (14.5)
EVAX-100/8Z	• 4 Speaker Zones (4Z) • 8 Speaker Zones (8Z)	32 (14.5)
EVAX-100/12Z	• 12 Speaker Zones (12Z)* • 16 Speaker Zones (16Z)*	32 (14.5)
EVAX-100/16Z	Note: The 12Z and 16Z are housed in the larger cabinet (Dimensions 14.5W x 27H x 4D)	32 (14.5)

Note: The 4Z/8Z/12Z/16Z models include the required EVX-ZM-ASSM card(s).