



**Primary power:** 120V AC @ 0.6A

**Battery power:** 24V DC  
0.13A standby  
1.00A alarm

**Output:** 50 Watts @ 25/70 VRMS  
tone and voice

**Backbox Dimensions:** 14.5" w x 18" h x 4" d

**Color:** Charcoal grey - standard  
Red - optional

**Ordering Information**

Stock number: 3500002 EVAX-50/4Z (4 speaker zones)  
3500003 EVAX-50/8Z (8 speaker zones)

**Description**

The EVAX-50 Series is a voice evacuation system with power supply, battery charger, and a paging microphone digital message repeater. It operates with any fire alarm control panel (FACP) and provides 50 Watts of speaker power. All necessary options are included with this model: zone splitters, remote microphone panels, and expander modules. The custom setting features will accommodate the needs of most applications. The EVAX-50 Series has its own power supply and battery charger. It must be wired with a 120V AC and connected batteries. A digital message repeater (DMR) is built-in. The selection of alarm tone and automatic message repeats, as well as the 6 hour delay of the AC power failure feature are all field configurable. 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-50 Series is housed in an attractive surface or semi-flush mounted backbox, with a hinged and key locked door.

**Engineering Specifications**

The voice evacuation system shall be Evax Systems Series EVAX-50 or equivalent. The system shall provide 50 watts of signal power and 50 watts of voice power, and shall be UL Listed. The voice evacuation system shall be microprocessor based, and shall contain an integral microphone, 50-Watt 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. One 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.

- Clean dead-front construction
- Digitally recorded automatic evacuation message
- Up to four minutes of message capacity
- 50 watt high efficiency digital amplifier
- 25 or 70 VRMS field selectable
- 120V AC 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
- Natural sound recordings
- Built-in alarm and alert signals
- Works with analog/addressable and microprocessor based fire alarm panels
- Works with 12V DC or 24V DC fire alarm panels
- Three minute message report on microphone key
- 24 hr backup with two 12V 7 AH batteries
- Made in the U.S.A.

**Installation**

