

EVAX 400 High Power Emergency Communications System



Features:

- Four 100 Watt rms Power-Limited outputs
- Class D high efficiency power stages
- Short-Circuit and Overcurrent Protection on all Stages
- 1 Amp Auxiliary 24 VDC for accessories
- Low standby current on batteries, 0.1 Amp
- Advanced MP3 coding and decoding
- Flash Memory for massive storage of messages or signals
- Telephone and Remote Paging access
- Background Music with superb frequency response
- Default Mode for most applications requires *NO* programming
- HMX Twisted-Pair and Fiber Optic networking
- UL Listed for Fire (Pending), NFPA, ADA, OSHA Compliant
- Ruggedized Industrial-Duty performance
- 9" by 13" by 4" Package - high power density
- Made in the USA.

Description:

The Evax 400 represents the next generation in life safety and emergency communications systems. 400 watts of multi-processor controlled supervised amplifier power are contained in a compact monolithic package. Digitally recorded voice messages are crystal-clear, recorded at twice the conventional sampling rate onto non-volatile flash memory, in standard MP3 format.

Complex yet simple, the Evax 400 requires no programming. Connecting power, batteries, and speakers provides live voice, alarm signals, and pre-recorded messages over hundreds of speakers. On-board USB, TOSLINK, Ethernet 10/100, and HMX network and programming capabilities create a powerful platform for solutions to the most demanding system requirements.

Applications:

Industrial Facilities, Shopping Malls, High-Rise, Convention Centers, Airports and Casinos

Flexibility of a networked system in a large facility, with high-powered amplification at any node, and multi-master capability allow EVAX HMX systems to meet the largest and most demanding applications.

Hospitals and Assisted Living Facilities

"Code Red...Cardiac...Room 409" Messaging systems can be configured to meet the needs of small facilities or large medical centers.

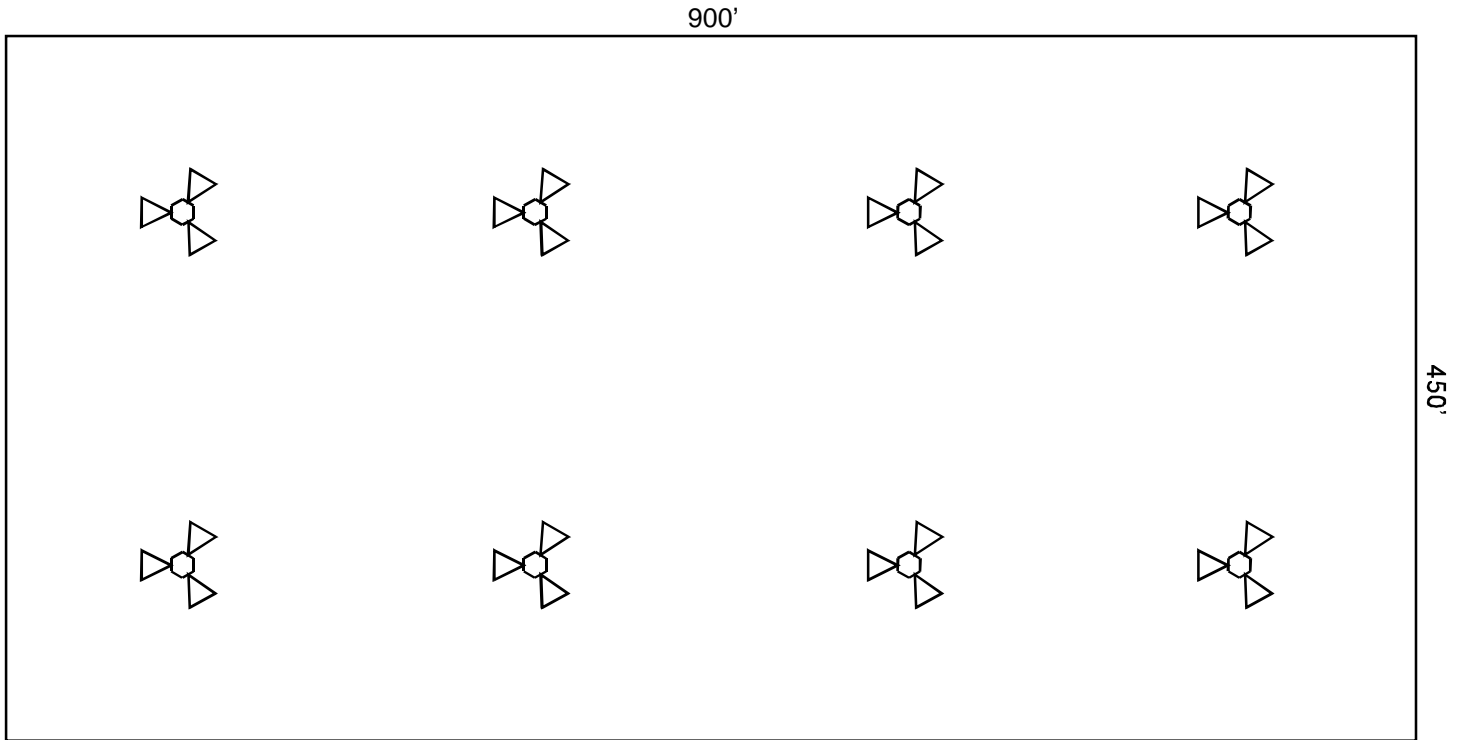
University Campuses

Standard Ethernet 10/100 data and audio allow Fire Alarm to operate independently in each building, while allowing campus-wide voice communication via existing network routers, switches and hubs. Remote access could permit President's messages from other cities or even overseas.

Sports Arenas and Stadiums

Game announcements, pre-recorded cheers or school-songs, weather announcements, lost-child reports. One or two speaker arrays with 400 watts packs a big punch. Battery power a big plus for temporary events.

Industrial Facility 400,000 Square Feet



Eight 45 Watt Hex Array Speakers powered by a single EVAX 400 Emergency Communications Panel provides 85 dB acoustic power to 400,000 square feet.

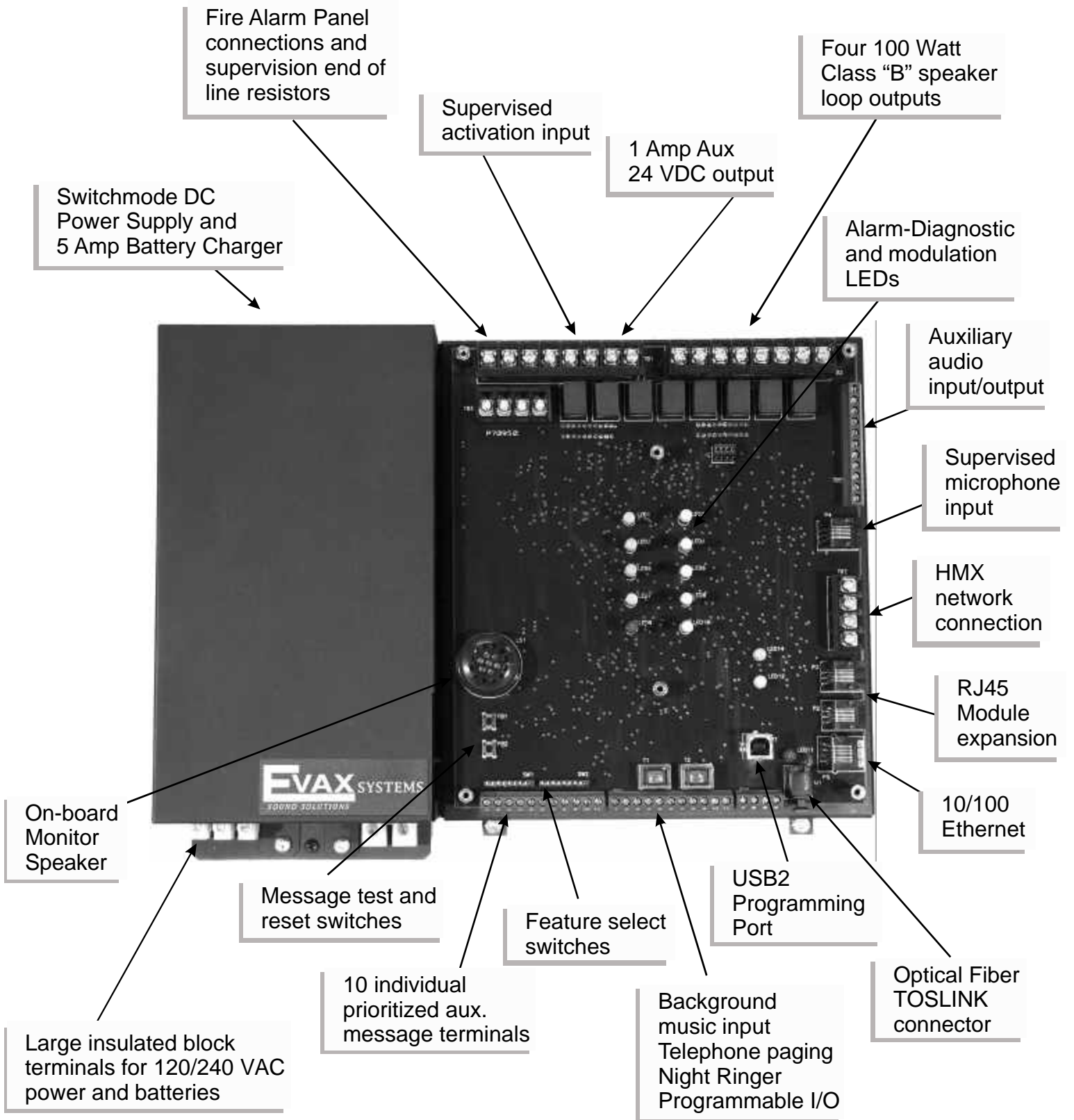
Fully software configurable, the EVAX 400 meets the most demanding requirements for high-intelligibility voice evacuation for fire alarm systems. Hundreds of diverse system types can be configured for day-to-day non-emergency situations. Download voice messages via internet. Evax.com website has password-protected access for customers and technicians.

Golf Courses. Speakers inside the clubhouse for special-event announcements, music, table-is-ready, or master-of-ceremonies microphones. Outdoor speaker arrays can provide thunderstorm lightning warnings.

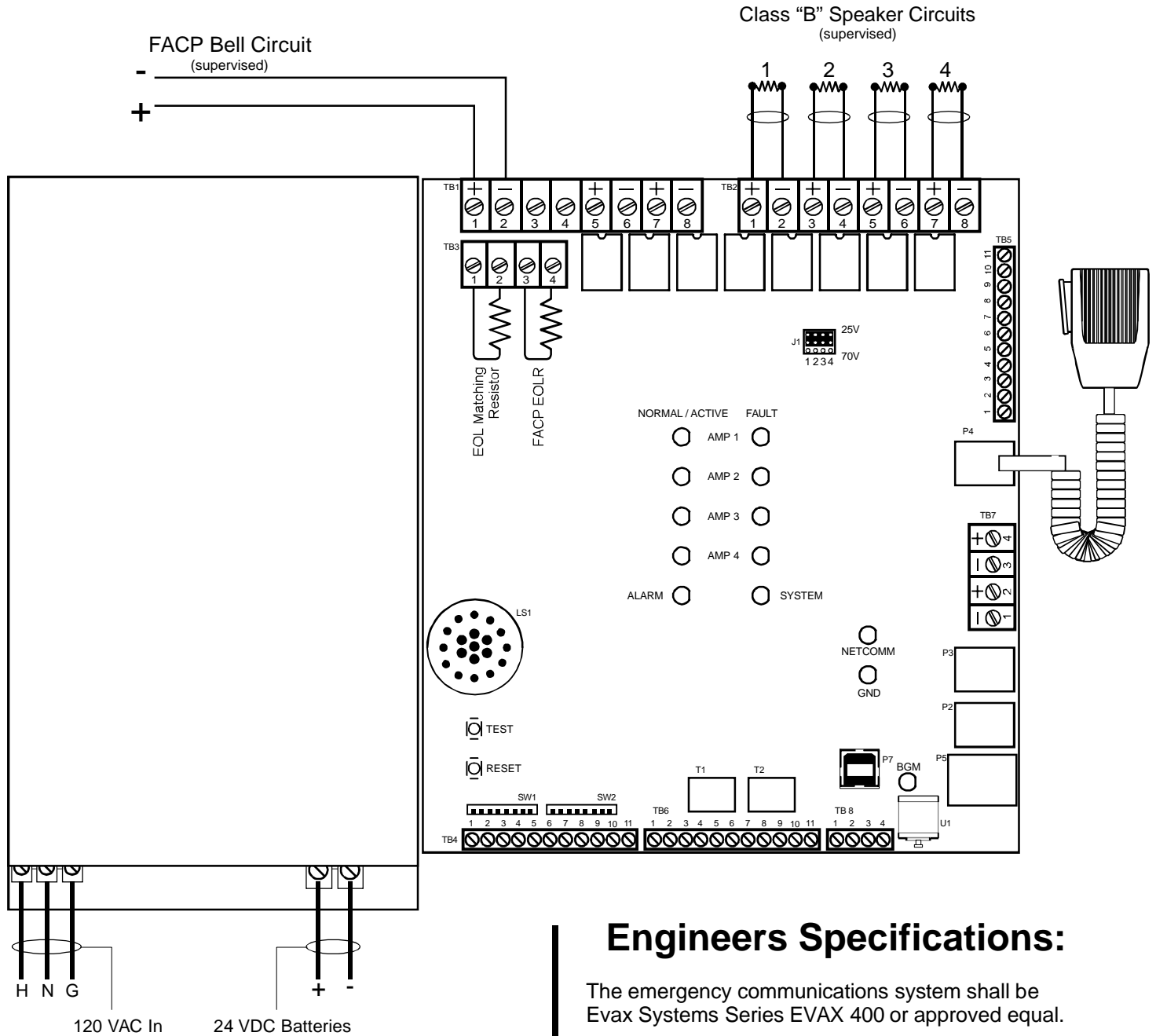
Ski Resorts. Indoor and outdoor theme music, pre-recorded advertising, special event announcements. Cover parking lots, lodges, lifts with weatherproof speakers to locate people, notify ski patrol and give start times for lessons and events.

Theme Parks. Hundreds of special-effects sounds can be played back over specific speakers, real-time synchronized and software controlled. Plug in a USB or 10/100 Ethernet connector, and set up your system. Ideal for mobile and temporary venues. Battery-power permits quick setup even where commercial AC power is not yet available.

EVAX 400



Typical Installation:



Technical Characteristics:

EVAX 400 400W Communications Panel;	
Primary Power:	120VAC @ 6A
24 VDC Battery Power:	0.1A Standby 20.0A Alarm
Output:	400 Watts @ 25/70 Vrms Tone and Voice
Backbox Dimension:	14.5 x 27 x 4" <i>w•h•d</i>
Color:	Charcoal Grey• <i>std</i> Red• <i>optional</i>

Engineers Specifications:

The emergency communications system shall be Evax Systems Series EVAX 400 or approved equal.

The emergency communications system shall provide 400 Watts of signal **and** voice power. All speaker circuits shall be individually field selectable for 25 or 70 Vrms operation and shall be power limited.

The emergency communications system shall be micro-processor based, and shall contain an integral microphone, audio amplifier, tone generator and digital message repeater.

A 120 VAC Power Supply and multi-rate battery charger for standby batteries shall be included.

The voice evacuation message/signal shall be broadcast until the FACP is reset, or until fire emergency personnel interrupt the broadcast with a manual page. Remote paging microphone(s) will be supported through a supervised circuit.