

## 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.

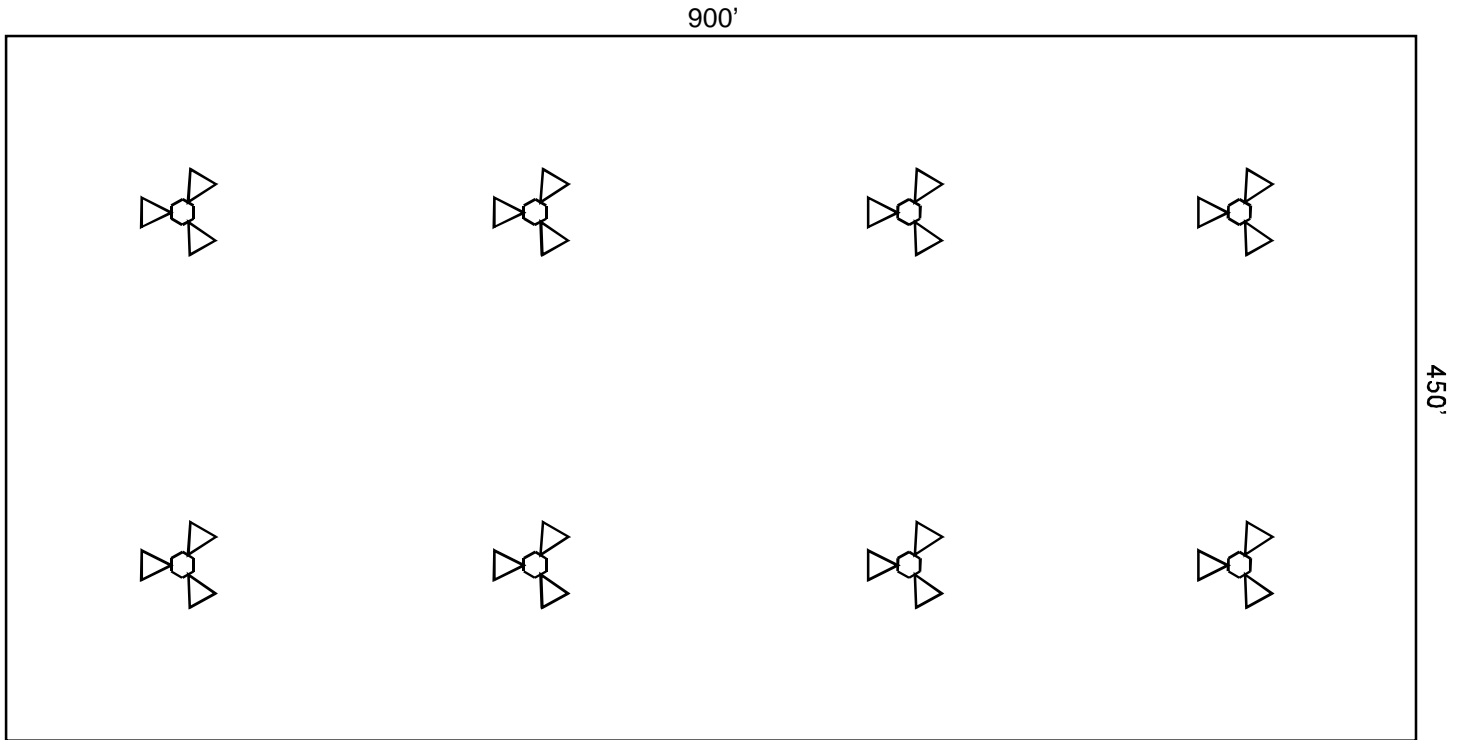
#### **University Campuses**

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.

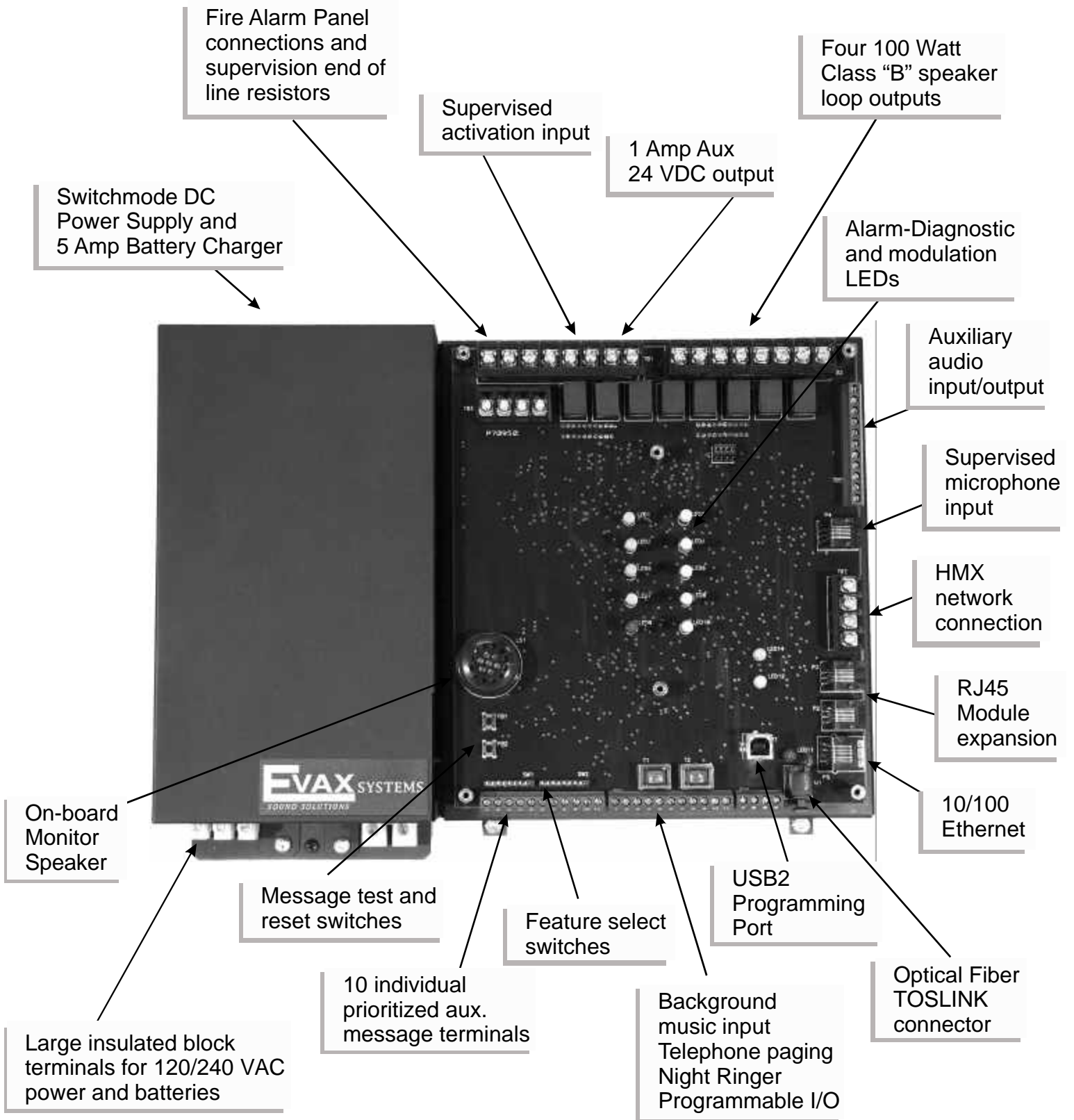
Fully software configurable, the EVAX 400 meets the most demanding requirements for high-intelligibility voice evacuation for fire alarm systems. Hundreds of diverse system types can be configured for day-to-day non-emergency situations. Download voice messages via internet. Evax.com website has password-protected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

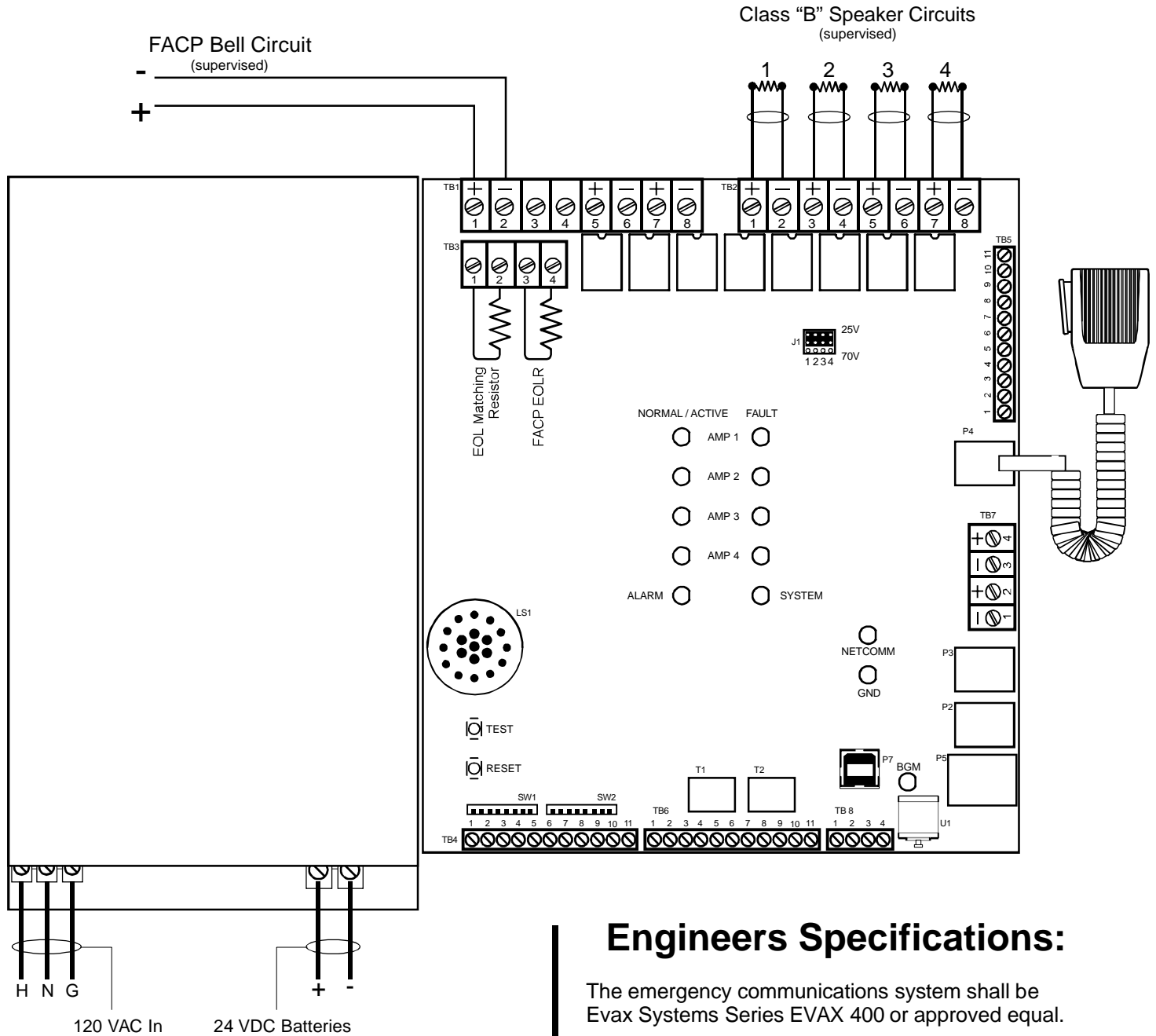
**Ski Resorts.** Indoor and outdoor theme music, pre-recorded advertising, special event announcements. Cover parking lots, lodges, lifts with weatherproof speakers to locate people, notify ski patrol and give start times for lessons and events.

**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:

<b>EVAX 400</b> 400W Communications Panel;	
Primary Power:	120VAC @ 6A
24 VDC Battery Power:	0.1A Standby 20.0A Alarm
Output:	400 Watts @ 25/70 Vrms Tone <b>and</b> 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.