EVAX-X70

Conventional Voice Panel

Features

- 50W, Single Channel Amplifier (Expandable)
- Microphone Included
- 120VAC or 240VAC selectable
- 4 Class B or 4 Class A speaker outputs
- Selectable for 25V or 70V
- 4 inputs for message activation
- Trouble, AC, and ECS relay outputs
- 1VRMS auxiliary input to receive audio from external audio sources
- P-Link communication bus (Class A or Class B) to connect accessories for system expansion
- V-Link audio bus (Class A or Class B)
- Connect up to ten (10) SCA or DCA amplifiers
- Remote Amplifier Expansion using SCA and DCA Amplifiers
- Connect up to ten (10) RM-1000ECS/RM-1000ECSTL remote microphones
- Connect One (1) FFT-1000 for firefighter telephone communication
- Connect one (1) PSN-1000
- Connect up to ten (10) CIM-16 Contact Input Modules
- 4x20 User Interface (80 Characters)
- 8 Programmable Soft Keys
- Up to 60 minutes of message storage
- Text-to-speech to translate custom text through a variety of natural and fluent sounding voices
- Record and import messages from laptop
- Internal message library of predefined messages and tones
- UL 864 / UL 2572 / UL 464
- Product includes a 5-year warranty



Description

The EVAX-X70 conventional voice panel is designed to notify and safely evacuate building occupancy during emergency events. The panel offers innovative features to provide reliability and safety of personnel. Included is a 50W single channel amplifier with on-board speaker outputs, trigger inputs, relay outputs, an auxiliary input, and Potter's proprietary P-Link and V-Link bus.

The speaker outputs are programmable to provide 4 Class B or 4 Class A speaker circuits, and are programmable to operate with 25VRMS or 70VRMS speakers.

The four (4) trigger inputs are utilized for message activation to desired programmed zones. Input 1 is triggered via 8-33VDC while inputs 2-4 are triggered by a normally open dry contact closure.

The auxiliary input is used to distribute audio from compatible third party external audio sources to desired speaker outputs on the EVAX-X70 panel. The auxiliary input requires a 1VRMS input and is activated by one of the on-board inputs.

The first relay is a failsafe, dedicated Trouble Relay. The relay changes state during any trouble conditions. The second relay is a dedicated AC Relay. The relay changes based on the status of AC voltage. The third relay is dedicated ECS Relay. The relay changes during any ECS event. The three (3) relays are not programmable and no additional mapping to the relays can take place.

The Potter proprietary P-Link communication bus and V-Link audio bus allows the EVAX-X70 to connect to the SCA/DCA amplifiers, RM-1000ECS, RM-1000ECSTL, PSN-1000, FFT-1000R, FFT-1000L and CIM-16 for system expansion.

The panel's dead front can house one (1) SB-24 switch board to provide 24 additional push buttons for message and speaker zone mapping.

The EVAX-X70 also includes a user interface that provides a 4X20 display to preview system status, 8 programmable soft keys for paging and message activation, and additional soft keys for system control.

The Potter Panel Programmer comprises the state-of-the-art Audio Patterns feature which allows users to select and create audio files easily and effectively from the user's laptop. The programmer offers an internal library of predefined message and tones for common emergency conditions. Audio Patterns provides the ability to conveniently record and import audio files directly from a laptop. The exclusive Text-To-Speech feature translates custom digital text into fluent and natural sounding voices. Offering multiple voices and languages to accommodate customer preferences.

Technical Specifications

Standby Current 120VAC	245 mA
Alarm Current 120VAC	575 mA
Standby Current 240VAC	165 mA
Alarm Current 240VAC	260 mA
Standby Current DC	115 mA (reference battery calculator)
Alarm Current DC	346 mA (reference battery calculator)
Frequency	400 - 3400 Hz
Cabinet Dimensions	20″ × 27″ × 5″ (W × H × D)
Operating Temperature Range	32°F to 120°F (0°C to 49°C)
Operating Humidity Range	Up to 93% (non-condensing)

Compatible Devices

	EVAX-5070	EVAX-10070	EVAX-X70
50W Single Channel Amplifier	Included	Included	Included
4 on-board speaker circuits	Included	Included	Included
25VRMS/70VRMS	Included	Included	Included
8 on-board soft keys	Included	Included	Included
4 on-board trigger inputs	Included	Included	Included
Relay Outputs	Included	Included	Included
AUX Input	Included	Included	Included
SCA/DCA Amplifiers			10
SCA-5070INT		Included	1
RM-1000ECS	10	10	10
FFT-1000R/L			1
CIM-16			10
SB-24			1
PSN-1000E	1	1	10

NOTES:

- The EVAX-X70 can connect up to ten (10) amplifiers total. When a SCA-5070INT integrated amplifier is installed in the EVAX-X70, 9 SCA/DCA amplifiers can be connected.
- The PSN-1000E can house two (2) SCA-5070INT integrated amplifiers to group notification and speaker outputs in one enclosure.

Ordering Information

Model	Description	Stock No.
EVAX-X70	EVAX-X70 CONVENTIONAL VOICE PANEL	3520683
	REPLACEMENT BOARD FOR EVAX-X70 PANEL	3520687