
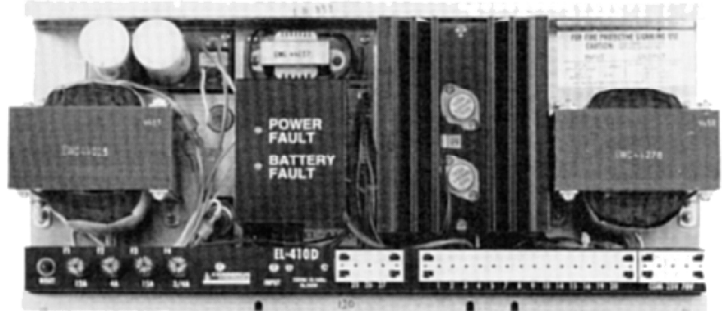


EL-410D

Voice Alarm System Amplifier Unit

ENGINEER AND ARCHITECT SPECIFICATIONS

- 100 Watt Output
- 25 Volt or 70 Volt Operation
- Power Failure Indicator
- Battery Supervision
- Battery Transfer
-  Listed, ULC Listed
NYMEA and CSFM
Approved



Description

The Model EL-410D is the amplifier unit for the MXLV Voice Evacuation System. The audio output amplifier section is rated at 100 watts, 70.7 VRMS or 25 VRMS. The amplifier is designed to automatically switch over to battery operation upon failure of the 120 VAC input. Power and battery trouble LED's are provided. The unit mounts in the MME-3 or MLE-6 MXL system enclosures using the MSR-1 Rail Mounting Kit. The unit also mounts within a standard System 3™ "EA" enclosure and occupies eight regular module spaces.

Operation

Power

The Model EL-410D operates from a 120 volt 60 Hz supply with a 24 volt battery standby (or other emergency DC source). Loss of the main operating power transfers the system to battery operation and is signaled by an LED on the amplifier. Restoration of main power automatically returns the system to normal condition.

Battery Supervision

The battery is supervised for "on charge" voltage condition. Shorts or open battery lines will be signaled by an LED at the amplifier.

Protection

The amplifier and the power lines are protected by fuses and are all supervised.

Engineer and Architect Specifications

The amplifier unit shall be a Cerberus Pyrotronics Model EL-410D. It shall supply up to 100 watts of audio power at either 25 or 70 VRMS. It shall operate from a 120 VAC, 60 Hz power supply and have provision for battery standby. Loss of the main power supply shall transfer the unit to battery operation and shall indicate such loss visually at the amplifier. The system shall return to normal operation automatically upon restoration of the main supply voltage.

The amplifier and all the DC lines shall be protected by fuses. The amplifier shall remain supervised during battery operation with a standby drain of less than 200 mA. The unit shall be capable of being surface or flush mounted in an approved wall mounted enclosure.

Technical Data

Power Requirement: 120V 60 Hz, 2.5 Amp.
 Battery: 24 Volt

Amplifier Battery Drain

In Supervision: 200 mA
 At 100 watt Output: 9.5 Amp.
 Amplifier Output: 25 or 70.7 Volts, 100 watt RMS, less than 1% THD at 1KHz
 Frequency Response: 30-15,000 Hz \pm 1 dB
 Input Sensitivity: 1 V RMS

Power Line and Fuse Rating

Main Supply Circuit Breaker: 2.5 Amp. AGC
 Amplifier Fuse: 10 Amp. AGC
 AUX Power: 4 Amp. AGC
 Battery: 12 Amp. AGC
 Dimensions: 89 in. (22.9 cm) H x 19 in. (48.3 cm) W x 4 1/2 in (10.8 cm)
 Mounting: Designed for rail mounting in a flush or surface wall mounted enclosure

Ordering Information

Model No.	Description	Part No.	Shipping Wt.	
			Lb.	Kg.
EL-410D	MXLV Amplifier Unit	500-694900	28	13



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