

EV120 – 120Watt Occupant Warning System

Features

- Alert and Evacuation Signals to AS1670.4
- Open and Short Circuit Speaker Line Monitoring and Protection
- Fault Indication
- Adjustable Volume Control
- Latching Volt Free Fire Panel Input
- Automatic “Alert” / “Evacuation” Changeover
- P. A. Microphone Input (optional)
- Verbal Messaging (optional)

Description

Ampac’s EV120 is a compact single zone Occupant Warning System (OWS) that produces Alert and Evacuation signals which meet the requirements of AS1670.4.

Suitable for use in Ampac’s FireFinder Fire Alarm Control Panels the OWS caters for an optional microphone to provide public address capabilities and an optional verbal message board that allows an “Emergency Evacuate Now” message to be played through the connected speakers.

The OWS includes a front control module which provides the user the ability to switch the OWS between automatic (FACP Control), manual evacuation, isolated and public addressing modes and includes both line fault and isolated indications.

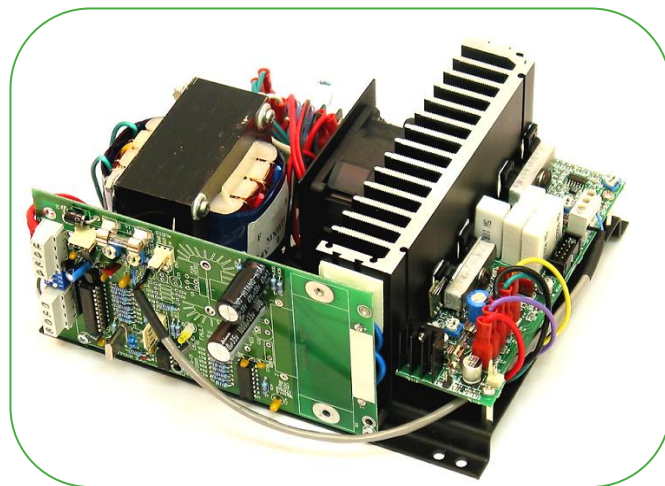


EV120 OWS Control Module

The Amplifier termination board accommodates the adjustable volume control, the Alert/Evac changeover timeout setting switch and has a monitored 100V line output that will drive up to 120-watts of speaker load.

Item Numbers

222-0023	EV120 with AS1670.4 signals
222-0007	Public Address microphone
222-0026	Verbal Message upgrade Kit

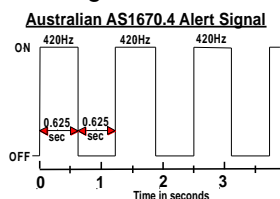


EV120 OWS Amplifier

Specifications

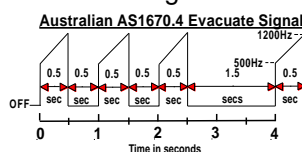
Supply Voltage	27VDC (nominal)
Quiescent Current	260 mA
Max. Current Draw	8A
Max. Speaker Load	120 Watt RMS (100V line)
Temp	-20°C to 70°C
Humidity	0-95% non condensing

Alert Signal



AS1670.4:
420Hz pulsed on and off for 0.625 of a second at 1.25 second intervals

Evacuation Signal



AS1670.4:
0.5 of a second sweep signal 500-1200 Hz pulsed on and off 3 times in 2.5 seconds at 4 second intervals

Tone Timeout (secs)	0, 30, 60, 120, 180, 240, 300
Speaker EOL Resistor	47k ohms
Microphone Pre-Amp	
Supply Voltage	27VDC (nominal)
Quiescent Current	21mA
Verbal Message Board	
Supply Voltage	Regulated +5VDC
Quiescent Current	1.5mA