



## Features

- 24v DC supply ( Nominal )
- Mother board address strapping (120 address positions)
- Continuous fault monitoring
- Volume override output
- Test tone input
- Data selectable 4 channel input (balanced)
- Synchronisation input for stepping Alert tone generator
- Indication (power on - green, power shutdown - yellow, amp or line fault - red, overload - red)
- Protected against overload, short circuit and over temperature – protection resets automatically

## Description

The module is a 120 watt (RMS) audio power amplifier designed to meet AS2220-1989 in an AMPAC EV3000 Emergency Warning and Intercommunication System.

As a plug in unit the assembly replaces two API-478 40 watt amplifiers and retains all fault monitoring and controls.

Whether installing an additional 120 watt amplifier or replacing two 40 watt amplifiers, the following details remain the same.

- The 120 watt amplifier occupies two 40 watt positions. Strap addresses for all slots to be the same.
- Line output is from first output connector position only. The cable needs to be upgraded to 1mm<sup>2</sup> twisted pair cable.
- Check battery capacity to ensure system backup still meets AS2220 - 1989.

## Item Numbers

332-0004	120W Amplifier
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## Specifications

Supply Voltage	23.5 – 28 VDC
Quiescent Current	175mA
Fully Loaded Current	8.1A
Distortion @ 1KHz	< 0.2%
Signal / noise Low Pass Filtered at 15KHz	77dB
Input Level Balanced	0 – 5 volts p-p
Output Level Isolated / Balanced	100 V rms
Output Power	120 W rms
Output Line Current Short Circuit –Full Drive	1.5A
Frequency Response ± 1 db ± 3 db	210 – 14.5KHz 105 – 23KHz
Line Monitoring DC Loop EOL	40 - 55KΩ
Test Current	200uA
Output Level Adjustment	0 – 100V
Connections	Module 82 x DIN41612/32
Temperature (Fan Cooled)	-10° to +55° C
Humidity	0 -95% non condensing

*Note: Do not attempt to adjust any levels – other than those outlined in the Technical Manual.*

**NOTE: RECOMMENDED MINIMUM SPEAKER CABLE SIZE IS 1mm<sup>2</sup>**

## INDICATORS

