

Fire detection and evacuation solutions that save lives.

EV3000 40 Watt Audio Amplifier

Features

- 24 Volt DC Supply (nominal).
- Addressable to 240 Addresses.
- 100 Volt Line Output.
- Continuous Fault Monitoring.
- Volume Control Override Output.
- Test Tone Input.
- Data Selectable 4 Channel Input.
- Overload and Over Temperature Protection
- Volume Level Control

Description

The Ampac class B 40-watt RMS audio power amplifier complies with the requirements of AS2220.1:1989. The amplifier can be used in both AMPAC's EV100 and EV3000 Emergency Warning Systems.

The 40-watt audio amplifiers are inserted into amplifier frames and plugged into a socket. Each EV3000 amplifier frame accommodates up to eight (8) 40-watt amplifiers.

Amplifiers are fitted as standard with over temperature monitoring facilities. When over temperature condition is experienced, the amplifiers will output a signal that activates the cooling fans.

Each amplifier is protected from a short circuit condition because of an overload monitoring feature. The amplifier will self-reset when the condition returns to normal.

The amplifier and the speaker line open circuit / short circuit condition are monitored. These fault conditions are displayed on the associated Emergency Warning System (EWS) zone.

To meet the requirements of AS2220.1989, the 40-watt amplifier attenuates the ALERT tone from -50dB to 0dB in 10dB steps.



40 Watt Audio Amplifier

Specifications

Size	100mm x 160mm Eurocard 10E wide
Power requirements	22 - 28 VDC
Quiescent current	60 mA
Load current	3.4 A @ 40watt load
Power Output	40 Watt (45 Watt overload)
Output Voltage	100 V RMS
Frequency response	150 Hz - 12kHz (±1dB)
Distortion	Max 1% at full load (typical 0.5%)
Sensitivity	+5dB <200Kohm balanced) (1.4VRMS)
Overload	100 VRMS + 10%
Temperature	-20°C to 70°C
Humidity	0-95% non condensing

Item Numbers

154-0075	40 Watt Amplifier
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