

PERTRONIC INDUSTRIES LTD

DATASHEET

100V Line Amplifier Modules

250 Watt Amplifier (EVAC250W24V), 120 Watt Amplifier (EVAC120W24V)



Overview

These amplifiers are designed for use in emergency evacuation systems. They are powered by an external 24 Vdc (nominal) power source. They accept line level audio inputs and produce a 100 V line output via a transformer.

Features

- » Line level input is provided using the Pertronic EVAC Generator (EVACGEN-NZ) to generate alert tones, evacuation tones and voice messages as specified by NZS 4512:2010
- » Capable of driving up to 120 Watt (EVAC120W24V) or 250 Watt (EVAC250W24V) into connected supervised 100 Vrms line speakers
- » The 100 Vrms output line has short circuit, overload and thermal cut-out protection
- » Bolt-in steel chassis construction enables direct mounting in Pertronic fire alarm control panels or ancillary cabinets
- » Amplifier status (Normal, Fault and Active) is monitored by the fire alarm panel's EVAC generator



EVAC120W24V



EVAC250W24V

Specification

		EVAC250W24V	EVAC120W24V
Dimensions (H x W x D mm)		95 x 300 x 240 mm	87 x 210 x 170 mm
Weight		7.1 kg	3.5 kg
Output Power		250 Wrms	120 Wrms
Power Supply		24 to 28 Vdc	
Current Draw	Quiescent	360 mA	220 mA
	Full Load	17 A	8 A
Fuse Rating and Type		20 A Blade	7.5 A M205
Frequency Response		40 Hz - 13 kHz	50 Hz - 12 kHz
Distortion		< 0.6 %	
Sensitivity		600 mVrms	
LED Indicators		7 LEDs (Power, Fault, Temp, Overload, Limit, Protect and Signal)	

Ordering Information & Notes

Product Code	Description
EVAC250W24V	Evac Amplifier 250W 24V (no tone generator) A1937
EVAC120W24V	Evac Amplifier 120W 24V (no tone generator) A1932
EVACGEN-NZ	Evac Tone Generator NZS 4512

The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

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