

# 100V Line Amplifiers

## Head Office

### Wellington

PO Box 35-063  
Naenae  
Lower Hutt 5041  
17 Eastern Hutt Rd  
Wingate  
Lower Hutt 5019  
Tel (04) 567-3229  
Fax (04) 567-3644

[www.pertronic.co.nz](http://www.pertronic.co.nz)

[sales@pertronic.co.nz](mailto:sales@pertronic.co.nz)  
[tech@pertronic.co.nz](mailto:tech@pertronic.co.nz)

### Auckland Office

PO Box 15-867  
New Lynn  
Auckland 0640  
359 Onehunga  
Mall  
Onehunga  
Auckland 1061  
Tel (09) 633-0226  
Fax (09) 633-0228

*250 Watt Amplifier (EVAC250W24V)*

*120 Watt Amplifier (EVAC120W24V)*

## Product Overview

These amplifiers are designed for use in emergency evacuation systems. They are powered by an external 24 Vdc (nominal) source. They accept line level audio inputs and produce 100V line outputs via transformers. The amplifiers feature short circuit, overload and thermal cut-out protection, and are constructed on steel chassis. When used with the Pertronic Evacuation Generator (EVACGEN-NZ) these amplifiers are ideal for providing audio power for evacuation systems.



**EVAC120W24V**



**EVAC250W24V**

## Features:

- ▶ Line level input is provided using the Pertronic EVAC Generator to generate Alert tones, Evacuation tones and voice messages as specified by NZS 4512:2003
- ▶ Capable of driving up to 120 Watt (EVAC120W24V) or 250 Watt (EVAC250W24V) in to connected 100 Vrms public address loud-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 Activation) is monitored by the fire alarm panel's EVAC generator



Certificate No:  
205487-2016-  
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## Specifications:

	<b>EVAC250W24V</b>	<b>EVAC120W24V</b>
▶ Dimensions	300 x 240 x 95 mm (L x W x D)	210 x 170 x 90 mm (L x W x D)
▶ Weight	7.1 kg	3.7 kg
▶ Output Power	250 Wrms	120 Wrms
▶ Power Supply	24 Vdc to 28 Vdc	24 Vdc to 28 Vdc
▶ Current Standby	360 mA	220 mA
▶ Current Draw	17 A at full load	8 A at full load
▶ Fuse Rating and Type	20 A Blade	7.5 A M205
▶ Freq. Response	40 Hz-13 kHz	46 Hz-13 kHz
▶ Distortion	< 0.6 %	< 0.6 %
▶ Sensitivity	600 mVrms	600 mVrms
▶ LED Indicators	Seven LEDs (Power, Fault, Temp, Overload, Limit, Protect and Signal)	One LED (Power)

## Ordering Information:

Product Code	Description
EVAC250W24V	Evac Amplifier 250W24V (no tone generator) A1937
EVAC120W24V	Evac Amplifier 120W24V (no tone generator) A1930A
EVACGEN-NZ	Evac Tone Generator NZS 4512

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### PERTRONIC INDUSTRIES LTD

#### Head Office:

17 Eastern Hutt Rd, Wingate, Lower Hutt 5019  
Telephone (04) 567-3229 Fax (04) 567-3644

[www.pertronic.co.nz](http://www.pertronic.co.nz)

[sales@pertronic.co.nz](mailto:sales@pertronic.co.nz)

[tech@pertronic.co.nz](mailto:tech@pertronic.co.nz)

#### Auckland Office:

359 Onehunga Mall, Onehunga, Auckland 1061  
Telephone (09) 633-0226 Fax (09) 633-0228

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