

# Evacuate Generator Module (EVACGEN-NZ)

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ISO 9001: 2008

International Standards  
Certifications  
QAC/R64/0012

## Product Overview:

The Pertronic Evacuate Generator Module extends the **F100A** and **F120A** analogue addressable automatic fire alarm system by allowing a fully monitored interface between the control panel and a third party 100VRMS amplifier.

The Evacuate Generator Module connects to a Pertronic **F100A** or **F120A** using four wire RS485 or directly via a monitored bell circuit.

It has four selectable inputs, each of which can be programmed to produce different tones when activated. Two of the tones may include a voice message.

## Connection:

The Evacuate Generator Module typically connects onto the standard RS485 bus (2-wire data and 24Vdc power) for communications. An additional 24Vdc power connection is also required, which may be from an external isolated power supply. Additional information can be obtained in the Evacuate Generator Module Technical Manual.

## Features:

- ▶ Dual microphone / line inputs, with individual volume control and Press to Talk (PTT)
- ▶ Tone and line output volume controls
- ▶ Optional tone selection
- ▶ Four pull down control inputs
- ▶ Bell circuit input and output connections
- ▶ Closed loop Amplifier monitoring
- ▶ 100VRMS 250W switching capability
- ▶ 42 tone/voice combinations available
- ▶ 2 voice messages available
- ▶ Configurable on site without tools
- ▶ Monitored Fire Panel input
- ▶ External Fault Input
- ▶ Active and Fault relay outputs



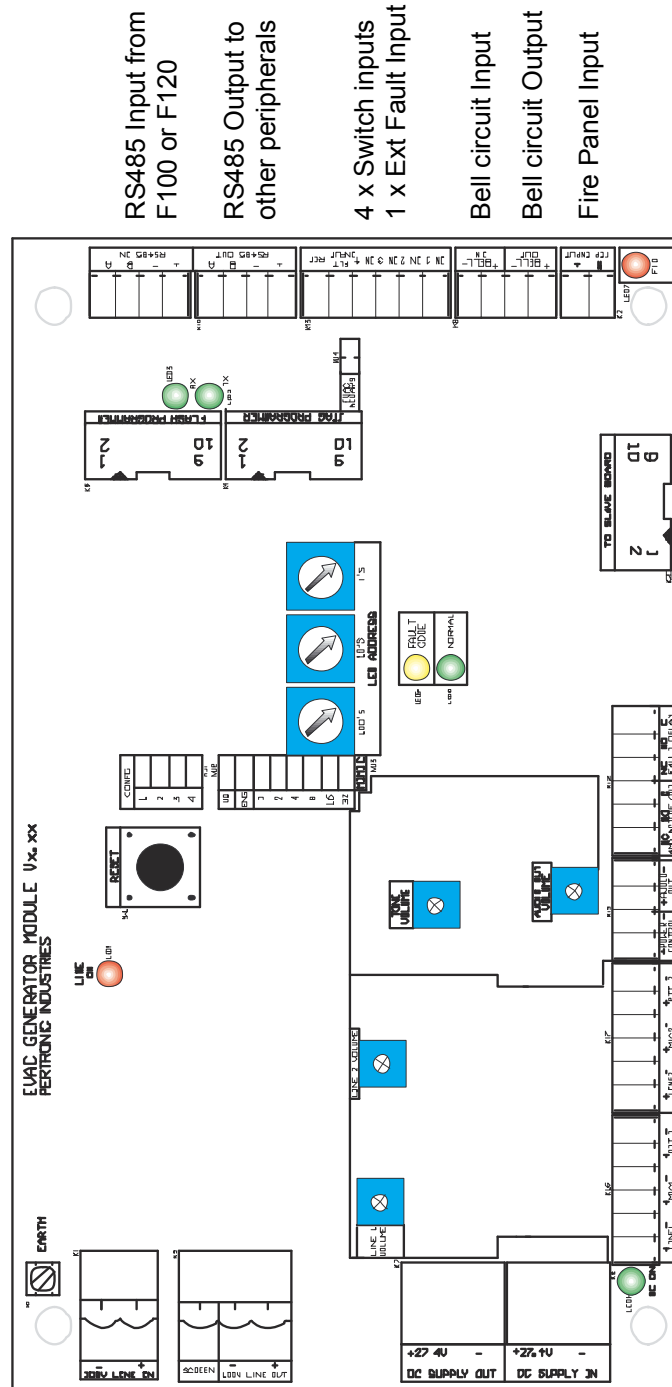
**Evacuate Generator Module**

## Specifications:

<b>Electrical:</b>	<b>Operating Voltage External Power</b> 19 to 29Vdc	<b>Quiescent Current</b> 35mA @ 24Vdc RS485 Comms 30mA	<b>Alarm Current</b> 105mA
<b>Environmental:</b>	<b>Operating Temperature Range</b> 0 to 30°C		<b>Humidity</b> 10 to 95% RH (non-condensing)
<b>Mechanical:</b>	<b>Dimensions (H x W x D mm)</b> 22 x 97 x 170		<b>Weight</b> 200gms

- ▶ External Power: Electrically isolated from Communications power
- ▶ Quantity: 8 fully monitored Evac Generator Modules on the RS485 bus
- ▶ RS485 Addressing: Each Module uses an RS485 LED Mimic address space. Addresses must exist from 1 and be consecutive to 8 maximum. Not required for Bell or direct Switch Input activation
- ▶ Frequency Response: 100Hz to 20kHz
- ▶ Microphone impedance: 680Ω balanced
- ▶ Microphone Sensitivity: 1.5mV - 15mVRMS
- ▶ Line Input impedance: 68kΩ
- ▶ Line Input Sensitivity: 100mV - 1.5VRMS
- ▶ Line Output: 1.5VRMS maximum

**Evacuate Generator Module Connections:**



100Vrms from Amplifier  
100Vrms to Speakers

24Vdc Supply Output  
24Vdc Supply Input

RS485 Input from F100 or F120  
RS485 Output to other peripherals  
4 x Switch inputs  
1 x Ext Fault Input  
Bell circuit Input  
Bell circuit Output  
Fire Panel Input

**Product Codes**

NZS Code	Description	NZPFA Listing No
EVACGEN-NZ	Evacuator Generator Module with Evac and Alert messages:	
Please call	Evacuator Generator Module with Custom message/tone:	

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