



# Microphone Pre-Amplifier Board

## (for 50W Amplifier)

### EVAC50PREA

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ISO 9001: 2000

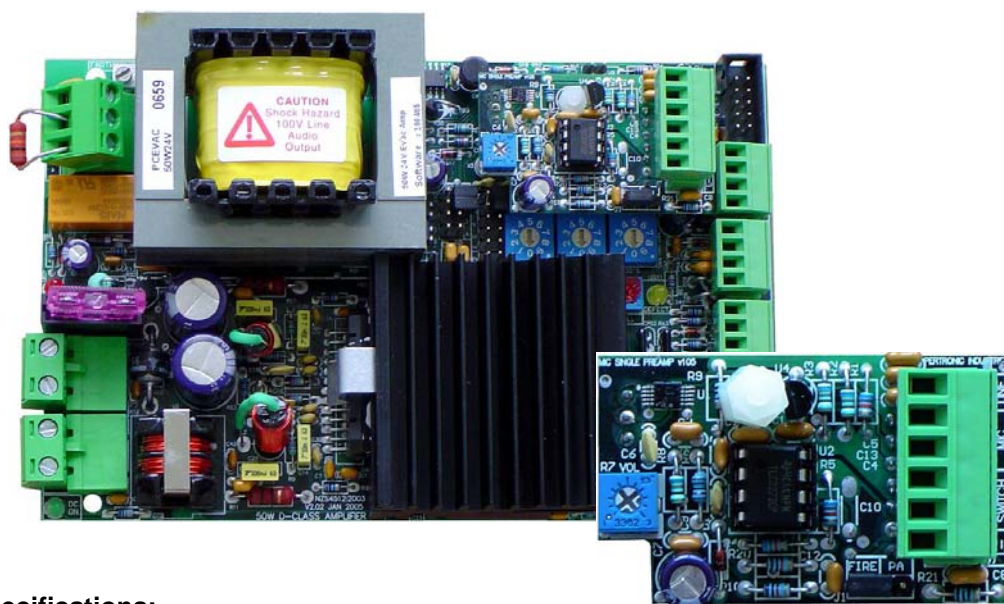
International Standards  
Certifications  
QAC/R61/0051

#### Product Overview:

- A daughter board designed to enable connection of a 'Public Address' (PA) or 'Fire' microphone to the Pertronic Industries 50W Amplifier.
- Easily connected to the 50W Amplifier by plugging it into two connectors, provided on the 50W Amplifier. No separate power supply or connection is needed.
- The microphone input is balanced for maximum noise immunity, and is designed specifically for moving-coil microphones.
- A switch input monitors a 'Push to Talk' (PTT) switch.
- A Line Level input (100mV RMS) is also provided for use of a pre-amplified signal, eg. for use with a remote microphone, or in a noisy environment, etc.
- Jumpers are available on the board for selecting the amplifier's operational mode: 'PA' or 'Fire' microphone.
- 'Output Level' control potentiometer.
- Operation of the 50W Amplifier Pre-amp is country specific. Refer to Table 1 for details.

Operation	New Zealand		Australia	
Link Selected	Normal	Alarm	Normal	Alarm
PA	Operational	Disabled	Operational	Disabled
FIRE	Disabled	Operational	Operational	

Table1.



#### Specifications:

Microphone Input Sensitivity:	1.5mVrms to 15mVrms
Microphone Input Impedance:	680Ω
Line Input Sensitivity:	100mV to 1.5Vrms
Line Input Impedance:	68kΩ
Frequency Response:	400Hz to 20KHz
Current Consumption:	<1mA
Recommended Cable:	0.2mm <sup>2</sup> , 4-core twisted wire, shielded audio cable.
Maximum Length:	5 metres
Maximum Daisy Chained Mic Inputs:	4
Maximum Daisy Chained Line inputs:	10
Compatible 50W Amplifier Hardware:	v2.02 and above.
Compatible 50W Amplifier Software:	v1.80 and above.

#### Product Codes:

Description	Code
Pre-Amp (Mic I/P) for EVAC50W24V Amplifier	EVAC50PREA
EVAC Amplifier, 50W 24V	EVAC50W24V

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