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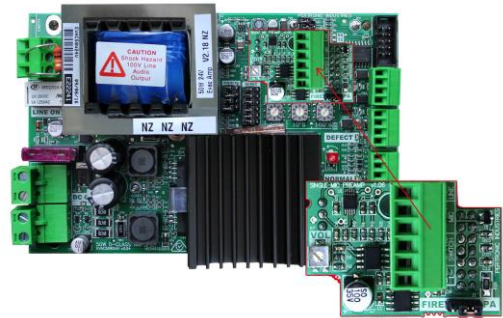
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Certificate No:
205487-2016-
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Product Overview

The **EVAC50PREA** is a daughter board designed to enable connection of a 'Public Address' (PA) or 'Fire' microphone to the Pertronic Industries 50W Amplifier.



Features:

- ▶ Easily connected to the 50W Amplifier by plugging it into two connectors on the 50W Amplifier. No separate power supply or connection is needed
- ▶ The microphone input is balanced for maximum noise immunity, and is designed for moving-coil microphones
- ▶ Input for 'Push to Talk' (PTT) switch
- ▶ Line Level input (100mVrms) for pre-amplified signal, e.g. for use with a remote microphone, or in a noisy environment
- ▶ 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

Link Selected	Normal	Alarm
PA	Operational	Disabled
FIRE	Disabled	Operational

Specifications:

- ▶ Microphone Input Sensitivity: 1.5 mVrms to 15 mVrms
- ▶ Microphone Input Impedance: 680 Ω
- ▶ Line Input Sensitivity: 0.1 Vrms to 1.5 Vrms
- ▶ Line Input Impedance: 68 kΩ
- ▶ Frequency Response: 400 Hz to 20 KHz
- ▶ Current Consumption: < 1 mA
- ▶ Recommended Cable: 0.2 mm², 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: v 2.02 and above
- ▶ Compatible 50W Amplifier Firmware: v 1.80 and above

Ordering Information:

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