

# PERTRONIC INDUSTRIES LTD

## DATASHEET

### Microphone Pre-Amplifier Board (EVAC50PREA)

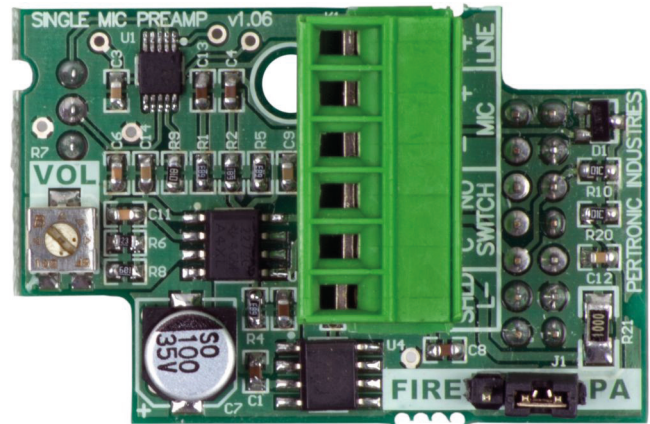


## Overview

The EVAC50PREA is a daughter board designed to enable connection of a 'Public Address' (PA) or 'Fire' microphone to the Pertronic Industries 50 W 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 (100 mVrms) 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



Pertronic Microphone Pre-Amp

## Operation

Link Selected	Normal	Alarm
PA	Operational	Disabled
Fire	Disabled	Operational

## Specification

Microphone Input Sensitivity	1.5 mVrms to 15 mVrms	
Microphone Input Impedance	680 $\Omega$	
Line Input Sensitivity	0.1 Vrms to 1.5 Vrms	
Line Input Impedance	68 k $\Omega$	
Frequency Response	400 Hz to 20 kHz	
Current Consumption	< 1 mA	
Recommended Cable	0.2 mm <sup>2</sup> , 4-core twisted wire, shielded audio cable	
Maximum Length	5 m	
Maximum Daisy Chained Inputs	Mic	4
	Line	10
Compatible 50W Amplifier	Hardware	v 2.02 and above
	Firmware	v 1.80 and above

## Ordering Information & Notes

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

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.

All information in this document is subject to change. Please consult Pertronic Industries or visit our web site for up to date information.

PERTRONIC® is a registered trademark of Pertronic Industries Limited.