

# Keypad to RS485 Converter

PAE100

## Overview:

The PAE100 Keypad Bus to RS485 Converter gives an optically isolated connection and voltage level translation between the Z-Series keypad bus and a standard RS485 serial bus. A convertor is required in order to control JVA Z-Series Energisers or Monitors via a PC running Perimeter Patrol software.

## Benefits:

- Provides approximately 10kV isolation to protect the PC against stray electric fence voltages or lightning surges. Note 1: Power links R10 and R11 must be removed for opto isolation.
- Designed to fit inside a Z-Series Energiser Enclosure
- May be connected to the PC via a USB to RS485 cable
- Also available in an IP4x Enclosure (Part No. PTE0485)

## Specifications:

### Connection

RS-485: Via 4 screw terminals  
Keypad Bus: Via 3 screw terminals

### PCB Size

Height: 55 mm  
Width: 55 mm  
Depth: 18 mm

### Enclosure Size

Height: 65 mm  
Width: 65 mm  
Depth: 28 mm

### Weight

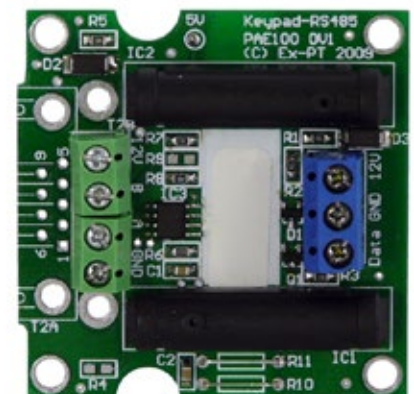
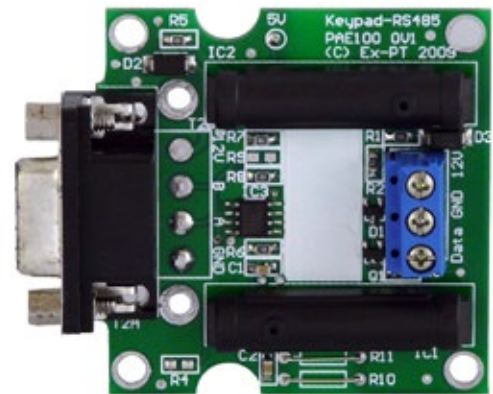
Product: 25g (No enclosure)  
Product: 65g (with enclosure)  
Packed: 70g (with enclosure)

## For more information:

see the website at: [www.jva-fence.com.au](http://www.jva-fence.com.au).

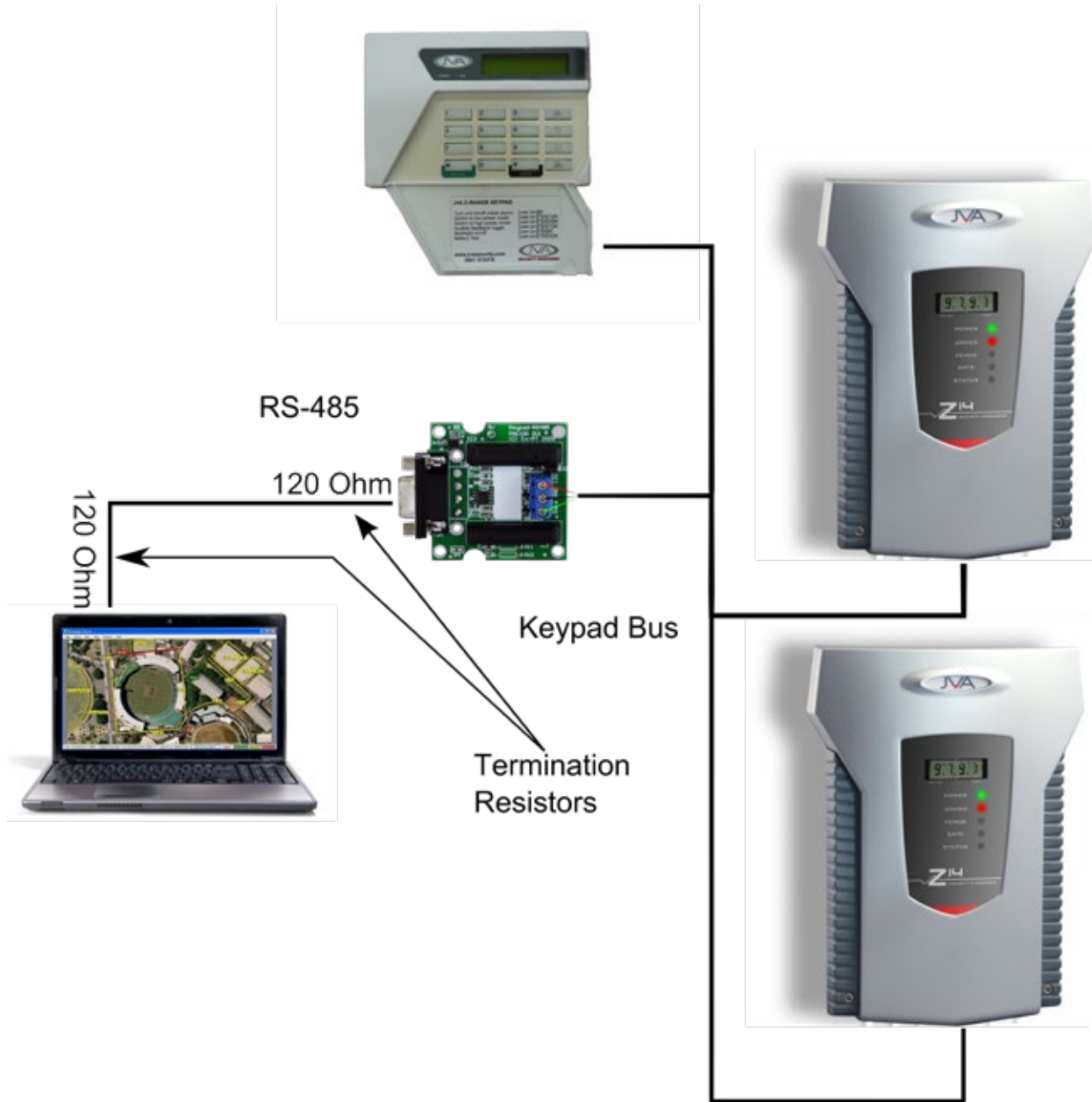
See also:

- PAE051 - Keypad Bus to RS232
- PAE221 - Keypad Bus repeater





## System Diagram:



Pin out of DB9 for RS-485

DB9 Pin	RS-485 Signal
1 (RS485-)	B (TxD <sup>+</sup> )
2 (RS485+)	A (RxD <sup>+</sup> )
5 (GND)	GND

