

# Serial RS-232 ↔ RS-485 Interface Converter

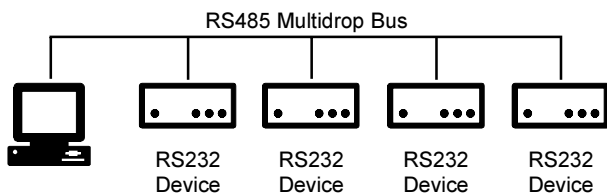
Multidrop up to 32 devices



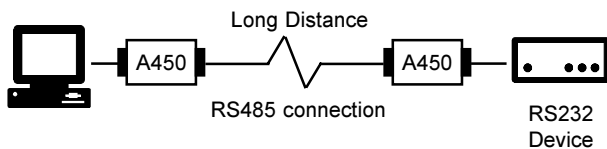
*This compact unit is housed in a quality metal case and is designed for ease of installation and high performance. It provides transient protection and has CE Electromagnetic Compatibility approval.*

## Typical Configurations

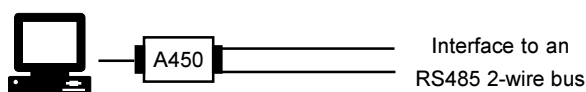
### A. RS-485 Multidrop Environment



### B. Extending RS-232 distance using RS-485



### C. RS485 using a 2-wire bus



## Features

- Multidrop up to 32 devices
- Full Duplex (4 wire) and Half Duplex operation
- Transmits data at up to 115Kbps
- Non-powered RS-485 operation over distances up to 100 metres
- Switchable DCE/DTE selection for RS-232 port
- Switchable termination resistors for RS-485 port
- LED indicators for data activity
- Transient Protection on RS-485 lines
- Monitor mode allows problem diagnosis on the RS-422/485 bus

## Applications

- Two A450 interface converters can be used to connect RS-232 devices over an extended distance.
- The A450 interface converter can be used to connect an RS-485 network directly to a PC.
- Monitor mode is a special 'bus snooping' setting that allows an installer or designer to look at what is happening on both pairs of a 4 wire RS-485 system.

## Specifications - A Series A450

RS-232 Port: DB-25 female connector  
Switch Selectable DCE/DTE  
Transfer up to 64Kbps

RS-485 Port: Screw Terminal Block 5 position  
Switchable 120ohm termination

LED Indicators: Receive Data RS-232  
Receive Data RS-485

Power Supply: 9V (200mA) DC  
Reverse Polarity Protection  
Non-powered up to 100 metres

Dimensions: 84m x 58mm x 23mm

Weight: 160 grams

*All specifications subject to change without notice*

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