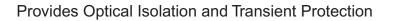
RS-232 🗇 20mA Current Loop Converter



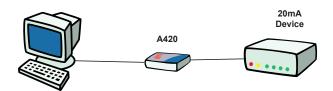




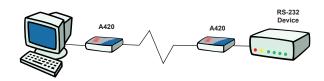
ASeries A420

Applications

 Connect a 20mA Current Loop device to a PC using the A420 interface converter.



Use two A420s to connect RS-232 devices separated by up to 1km. Connecting via 20mA Current Loop takes advantage of its noise immunity properties.



- Where isolation is a requirement, particularly in a harsh industrial environment, the A420 can withstand 2500Vac for up to one minute.
- The 20mA Current Loop breaks the ground loop at each end so the A420 is suitable for inter-building communications where different ground potentials can make RS-232 unreliable.

Features

- Optically isolated data lines and high speed data transfers, e.g. 19,200bps over 400 metres and a maximum data rate of 64Kbps
- Uses Hewlett Packard Opto-couplers for 20mA
- Available as a pre-set, fully isolated pair (2500Vac for 1 minute)
- Full Duplex point-to-point communication using only 4 wires (one pair each for receive and transmit data)
- Screw terminal connector on 20mA side
- Current Loop Transmit and Receive lines are switch selectable for ACTIVE and PASSIVE
- Switchable DCE/DTE selection for RS-232 port
- LED indicators for data activity
- Can be used in multidrop environments
- Very LOW COST Very BIG FEATURES

Specifications - ASeries A420

RS-232 Port:	Asynchronous RS-232 DB-25 female connector Switch Selectable DCE/DTE Transfer up to 64Kbps
20mA Port:	20mA Current Loop Screw Terminal Block (2.5mm dia.) Optically coupled 20mA Transmitter Optically coupled 20mA Receiver RD and TD loops may each be configured as either ACTIVE or PASSIVE Optically isolated 20mA signal
Protection:	Isolation in PASSIVE mode only Transient Voltage Supression Diodes RS-232 - Transmit Data Line - Receive Data Line - all unused handshake lines are tied to a common voltage rail.
LED Indicators:	20mA - Transmit Data pair - Receive Data pair Receive Data RS-232 Receive Data 20mA Current Loop Power On
Power Supply:	9V (200mA) DC Reverse Polarity Protection
	84m x 58mm x 23mm 160 grams

All Specifications subject to change without notice



Alfatron Pty Ltd ACN 005 410 819 PO Box 4161 Unit 9, 36 New St. Ringwood VIC 3134 AUSTRALIA Tel: +61-3-9876 9011 Fax: +61-3-9876 9044 Email: sales@alfatron.com.au Web Site: www.alfatron.com.au

