



DOUBLE D ELECTRONICS LTD

DDA225 RS-232 to RS-422/485 Converter/Monitor

- * Interface to RS-232 data analysers
- * Temporary RS-422/485 serial for PC
- * Supports popular Satcoms pinout
- * Two independent channels
- * PC-compatible RS-232 interface
- * Tx/Rx monitor capability on one channel
- * Transmitter tri-state capability
- * Receiver termination option

The DDA225 provides versatile RS-232 to RS-422/485 conversion facilities, and is designed to interface between a PC or RS-232 data analyser and the 4-wire RS-422/485 serial interfaces commonly found in Earth Stations.

Channel 1 is full featured, with the option to be used as a dual-signal monitor or as a transmit/receive data interface converter. In monitor mode the unit monitors both transmit and receive lines (at RS-422/485 levels), and converts to RS-232. In transmit/receive mode the unit effectively converts a PC RS-232 serial port into a 4-wire RS-422/485 port. The transmitter may optionally be controlled by the RTS signal to give support for multidrop configurations.

The RS-232 connectors may be connected directly to a PC using a 1:1 cable.

The RS-422/485 connectors implement the popular SA-Bus pinout, which is to be found on most equipment manufactured by Double D Electronics Ltd, as well as the equipment of many other manufacturers.

Channel 1 has a loop-in connection for the RS-422/485, and implements a simple patch panel, allowing support for other connector pinouts.

Channel 2 implements the interface conversion facilities as a subset of channel 1's capabilities.

The unit is powered from a plug top power supply.

Ordering Information

DDA225-01 RS-232 to RS-422/485 Converter/Monitor, including plug top power supply for UK mains, jumper leads for patch panel and manual