



DOUBLE D ELECTRONICS LTD

DDA209-01 Redundant Serial Link Manager

- * Dial-up override for leased line link
- * Remote peripheral support for RC&M systems
- * Manages comms at remote site
- * Free standing modem-sized box

The DDA209-01 simplifies management of main and standby communications links for remote equipment within RC&M systems. In particular it allows modem dial-in to interrogate remote equipment either as a test, or when the permanent link has failed.

The DDA209 sits at the remote site, with one serial port connected to the local equipment. The interface supports both RS-232 and 4-wire RS-422/485, so several items of equipment may be connected to the local bus.

One host serial port is intended to be connected to a dedicated serial link, and this port supports RS-232 and 4-wire RS-422/485.

The second host serial port supports RS-232 only, and is intended to be connected to a dial-up modem.

The unit supports popular baud rates up to 115200 baud without reconfiguration.

In normal operation the first host serial port is connected through to the equipment, and communication takes place transparently.

When an incoming call is detected on the modem the permanent link is broken, and the modem is able to communicate with the equipment after a configurable delay. It is envisaged that the modem will only be used when the host detects that the permanent link has failed.

Communication reverts to the permanent link when the modem call hangs up.

Ordering Information

DDA209-01 Link Manager

SPECIFICATION

Physical: Free-standing modem-style case

Power: 230-240V a.c. nominal 10VA via plug-top power supply (other voltages on request)

Link Port: 9-pin D-socket
Configurable RS-232 or 4-wire RS-422/485
Optional terminating network

Equipment Port: 9-pin D-plug
Configurable RS-232 or 4-wire RS-422/485
Optional terminating network

Modem Port: 9-pin D-socket
RS-232

Control Logic: Standard unit switches from permanent link to modem port on receipt of a call, after a configurable debounce delay. Other options may be configured on request.