V.3225/V.3225L
Manual

For Sales or Service Contact:

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MNP / RELIABLE MODE

MNP (Microcom Networking Protocol) provides error detection and automatic retransmission of data upon detection of an error. The modem supports MNP levels 2, 3, 4 and 5. Level 2 is the asynchronous version. Level 3 is the synchronous version and level 4 is synchronous with optimized headers for increased efficiency. Level 5 compresses the data for increased effective throughput.

AUTO-RELIABLE

Allows the modem to operate in a non-reliable mode if a reliable connection cannot be established.

CONSTANT SPEED INTERFACE

The modem serial port adapts to the data rate of the DTE and does not change speed if the (modem) data link connects at another speed. Therefore the DTE to DCE interface speed is constant.

DATA COMPRESSION

A technique of replacing repeated characters in a file being transmitted by a shorter symbol allowing a higher effective data rate (model specific).

NORMAL MODE

No error control with or without constant speed DTE interface. Data is buffered.

DIRECT MODE

The DTE speed and DCE speed are forced to be the same. No error correction or buffering.

FLOW CONTROL

If the serial port speed exceeds that of the modem connection, characters may be sent by the DTE to the modem faster than it can send them to the remote modem. The modem holds characters in an internal buffer until they can be transmitted. When this buffer is full, the modem uses flow control to cause the DTE to stop sending characters. As the modem continues to transmit data and the buffer empties, flow control is again used to cause the DTE to resume sending data.

Chapter 9
Maintenance

GENERAL

The modem contains no internal electronic components that can be serviced or replaced by the user. Repairs should not be attempted by the user.

FUSE

If a fuse fails, replace it with one of equal rating. Repeated failure indicates a more serious problem. If this happens, refer to the section on maintenance.

MAINTENANCE

The modem provides maintenance free service. Periodically it is necessary to remove dust that has collected on internal components. Remove dust with a soft bristle brush and low pressure air or vacuum.

Before attempting diagnostic tests, check that all connectors and plugs are firmly inserted. The test procedures will identify the faulty component in a bad communications link.

If the modem appears faulty, contact the UDS Field Service Department at 1-800-221-4380 for service and assistance. Do not return the modem without prior instructions.

Chapter 9 only has 1 page