



AM-FSK -FSK V.23 AND BELL-202 ANALOGUE MODEM FOR 2 AND 4 WIRES LEASED LINES

General Description

AM-FSK is an FSK analogue modem operating up to 1200 bps full duplex over 4 wires leased lines.

AM-FSK is available in either desktop and rack mount card. Desktop unit includes internal AC or DC power supply. Rack mount card is and Eurocard size (160x100 mm) for insertion in RC-AM 3U high 19" chassis from DAVANTEL.

AM-FSK can operate as per ITU V.23 (modes 1 and 2) and Bell 202 with rates up to 1200 bps on 2 wires leased lines (half duplex) and 4 wires leased lines (half duplex and full duplex). Data format is asynchronous.

Features

- FSK modem as per ITU V.23 (modes 1 and 2) and Bell 202.
- Data transmission rates up to 1200 bps.
- Works on leased lines (2 and 4 hilos).
- Hardware flow control (RTS/CTS).
- RTS/CTS delay selectable

- Fixed or controlled carrier
- Selectable transmission level
- Available 'soft carrier' on Bell202 modulation
- V.24 present circuits: 102,103, 104, 105, 106, 107, 108 and 109.
- Analogue local loopback (L3)
- Channel equalization
- Relay for PTT activation based on RTS control signal

Specifications

Modes:

Half duplex over 2 wires leased lines. Half duplex and full duplex over 4 wires leased lines

Modulation schemes: FSK, 2 states.

DTE data rates: up to 1200 bps

Data format: asynchronous direct (not buffered)

ETD interface: ITU V.24/V.28.

Circuits: 102,103,104,105,106,107,108 and 109

Transmission section:

Transmission level: selectable between 0 and -15 dBm

Tolerance: ± 1 dB

Impedance: Resistive, 600 Ohm.

Carrier frequencies:

Bell 202: 1200 Hz (mark), 2200 Hz (space).

V23 (mode 1): 1300 Hz (mark), 1700 Hz (space)

V23 (mode 2): 1300 Hz (mark), 2100 Hz (space)

RTS-CTS delay: 10, 25, 100 and 250 ms.

Carrier to DCD drop delay: 0 or 6 ms

DTR and RTS control: ignored or as per DTE

Reception section:

Dynamic range (circuit 109): from -10 to -45 dBm

Tolerance: minimum 2 dB

Impedance: Resistive, 600 Ohm.

Carrier detection delay: 6 or 23 ms

Equalization:

Fixed: amplitude and phase.

User interface:

On the card:

Dip switch bank for modem configuration.

Front panel:

Indicator leds for power and V24 circuits.

Hexa rotator selector for transmission level adjustment.

Reset push button.

Power supply:

Standalone: 220 VAC / 50 Hz, 3VA.

Eurocard: 12VDC, 3W.

Dimensions:

'Standalone'

width: 157,5 mm

height: 62,2 mm

depth: 259 mm

Eurocard:

3U(100 mm) x 160 mm x 5TE(25,4 mm)

Temperature service: 0 ° to 60 °C.

Humidity: 0 - 95%, non condensing