



HV Sistemas S.L.

Trustworthy radio data transmission

transparent modem FFSK P9802

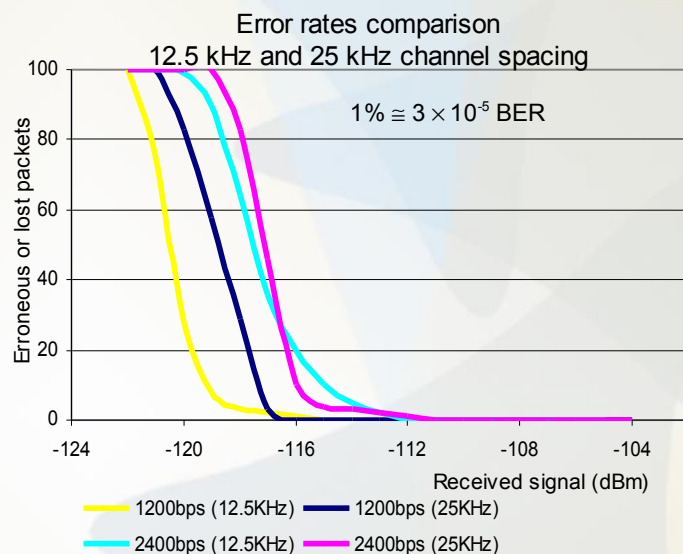


This modem makes possible communication between data terminals through a radio infrastructure when the serial data rate is not critical. Easily adaptable to professional mobile radio equipments.

Its concept makes possible the immediate incorporation in existing networks

It can be supplied with Reed-Solomon Forward Error Correcting (FEC), that makes possible to correct and recover data that could have been changed.

Due to its simplicity and easiness of configuration, this is the most used modem in communications between PLCs, PCs or industrial terminals.



Specifications*

Supply voltage	10-16 V d.c. with overvoltage protection by fuse and diode – others under request
Supply current	50 mA
Data over radio rate	1200 ó 2400 bps
Modulation	FFSK
Frequencies	1200 – 1800 Hz @ 1200 bps, 1200 – 2400 Hz @ 2400 bps
Data frame format	Synchronous, HDLC subset
Error correction	Optional for some versions, FEC Reed-Solomon
RX audio level	25 – 1000 mV RMS
TX audio level	0 - 1000 mV RMS
PTT polarity	Positive or Negative
Carrier detect polarity	Positive or Negative
Data interface	RS232 or RS422/RS485
Serial data rate	300, 600, 1200, 2400, 4800, 9600, 19200 ó 38400 bps
Serial data format	Asynchronous, 7 or 8 data bits, parity odd, even or none
Buffer size	4096 bytes TX and 4096 bytes RX
Radio connector	SUB-D male 9 pin
Data connector	SUB-D female 9 pin
Size	124 x 76 x 32 mm (excluding connectors)

* Specifications subject to change without notification