

SV11-AV24 TECHNICAL INFORMATION

The SV11-AV24 Converter is designed to perform a simplex (one-way) conversion of synchronous V.11 data and clock signals to an asynchronous V.24 data signal. This conversion is accomplished by shifting synchronous input data into an 8-bit shift register using the interface clock, and then shifting the resulting "character" out serially at 19.2Kbps with start and stop bits inserted. Since there are more bits to transmit than received in a given period of time, the receive data clock rate can be any standard rate less than 19.2Kbps, e.g. 9600bps.

Two LED indicators provide operational status for the converter. The "FOP" LED provides a visible indication of the state of the FOP signal lead from the attached V.11 DCE. The "Data" LED indicates the state of the data signal sent to the V.24 DTE on RXD, and returns to OFF after each async character is sent.

Power for the Converter is supplied by the Async V.24 interface, specifically from the DTR and RTS signal leads. Provided one or both of these circuits are ON, there will be sufficient regulated power for the Converter to operate.

The Converter also provides direct connection of the CTS lead on the V.11 interface to the CTS lead of the V.24 interface, and of the FOP lead on the V.11 interface to the DCD lead of the V.24 interface.

The SV11-AV24 has a three year warranty and a 24 hour turnaround on warranty repairs.

PINOUT ASSIGNMENTS**DB25P (SYNC)**

3 -Data
 4 /RMT Zero (KGR-96)
 5 CTS
 7 RTN
 8 FOP
 10 +Data
 17 +Clock
 18 - Clock
 19 RMT Zero (KGR-96)

DB25S (ASYNC)

2 TXD
 3 RXD
 4 RTS
 5 CTS
 7 RTN
 8 DCD
 20 DTR

Input Data Rate: 9600 Synchronous

Output Data Rate: 19,200, 8,N,1 Asynchronous

Self Powered from the RTS and DTR Control Lines

Manufactured By:

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