ME251A

The ME251A is designed to replace two modems in a point-to-point application. A single ME251A, allows asynchronous, synchronous and bi-synchronous communications between two items of DTE equipment over RS-232.

SPECIFICATIONS:

AC Power: 115 VAC, 60 Hz. or 230 VAC, 50 Hz, 10 watts. Wallmount Transformer: 18 VAC on the secondary side. Power Supply part # is PS154 or PS154E for 230VAC.

Size: 1.8" H x 5.5" W x 8.5" D

Connectors: (2) DB25

Interface: RS-232C serial Synchronous or Asynchronous.

Indicators: (6) LED's; TX data, CTS and DSR for each of the two ports.

External Controls: RI button, loopback switch, and DSR control.

Operating Environment: 32 degrees to 122 degrees "F" (0 degrees to 50 degrees "C")

Installation:

❖ Select the operating mode by installing the speed selection strap (W2) to async or the desired synchronous speed.
❖ For synchronous operation, select the clock source for both DTE devices. For external clock to be supplied by the device connected to Port A, install the "XA" external clock strap. For external clock to be supplied by the device connected to Port B, install the "XB" external clock strap.
❖ Select the CTS control by installing both the "A" and "B" CTS constant/ switched straps. In the switched position, a CTS signal is generated when the unit receives an RTS signal (in the digital loopback test mode, the control signals will always be ON). In the constant position, CTS and CD (of the respective port), and Signal Quality of the other port are always ON.
❖ For switched CTS applications, select the CTS delay for Port A and B by installing the CTS delay selection straps. Delays of 0, 10 and 50 ms.
❖ Select DSR control by installing the "A" and "B" DSR remote/ocal straps. In the remote position, the DSR signal is generated when the other port receives a DTR signal. In the local position, DSR is always ON.
❖ The CD (Carrier Detect) option is controlled by setting the "A" and "B" Switched or Constant straps. In the Switched position, a CD signal is generated when the other port receives a RTS signal. In the Constant position, CD is always ON.