# ME001A

## SPECIFICATIONS:

Protocol: Asynchronous/Synchronous

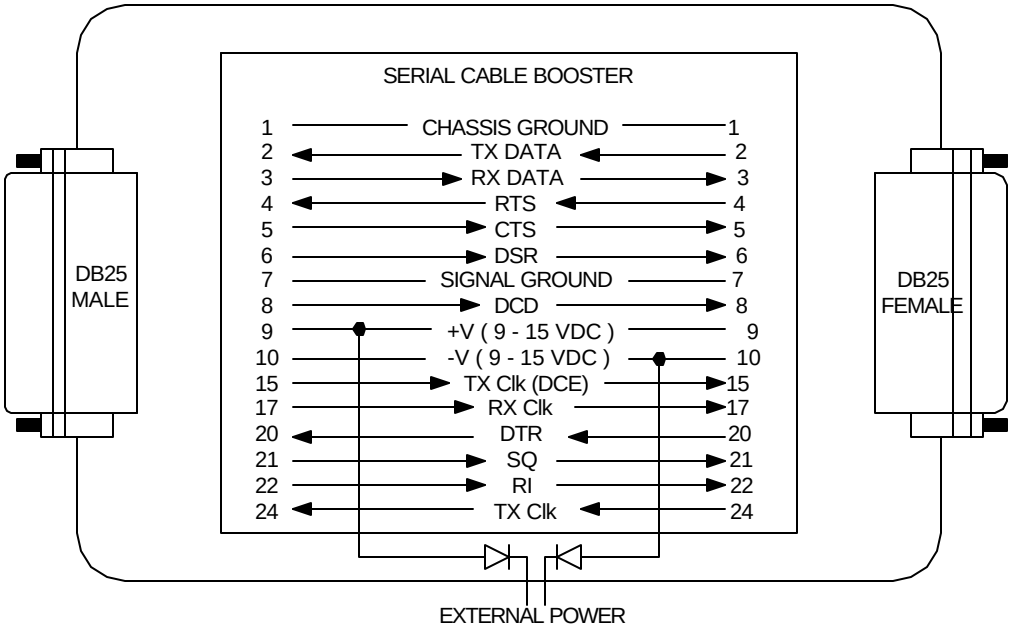
Speed: Transparent

Operation: Transparent

Interface: RS-232/CCITT V.24

Connectors: (1) male DB25 connects to DCE; (1) female DB25 connects to DTE

Power: 115 VAC +/- 10%, 60 Hz
12 watts




The RS-232 Line Booster doubles the length of an RS-232 cable by actively receiving and retransmitting twelve of the most common signal lines of the RS-232 interface. The RS-232 specifications state that the maximum cable length is limited to 50 feet. In actual operation (depending on environmental conditions), you may be able to operate with as much as 100 - 150 feet of cable. The Line Booster doubles the maximum cable length if the environmental conditions are similar over the entire cable and the Booster is in the center of the cable length.

Under these same conditions, the signal to noise ratio is halved when using the Line Booster. The unit is data and data format transparent. It can be powered from the interface (pins 9 and 10) or from its detachable power supply. The lines supported and the direction of the signal flow are summarized in the drawing above.

The Line Booster has one DIP switch. At this time, the DIP switch has no function, it is for future enhancements.

The Line Booster has a male (to DCE) and female (from DTE) connector with bulkhead (female screwlock) hardware. If either of the devices being interconnected has 100 ma of test power on Pins 9 and 10, the unit can be powered from the interface. If not, a detachable wallmount power supply is provided and the installation must provide for AC power to the power supply. The female connector must be connected to the cable attached to the equipment sending data to the DCE on Pin 2.

## INSTALLATION:

Connect the cable from your modem (or other DCE device) to the DCE side of the Line Booster. Connect the cable from your computer, terminal or printer (or other DTE device) to the DTE side of the Line Booster.