

Indicators: (2); (1) TD and (1) Busy

- TD Green and Red = Data Transmission Green = Mark (idle state) Red = Error condition. Check cabling
- Busy Red = Printer is not online or not ready to
 - receive data.
 - Off = Printer is ready to receive data and cabling is installed correctly. Red = Printer is not online or not ready to
 - receive data.
- Power: 120 VAC +/- 10%, 60 Hz, 1 watts, wall-mount transformer



ME806A



THIS UNIT WILL NOT SUPPORT BI-DIRECTIONAL DATA

INSTALLATION:

The SHM-B Parallel is available in a standalone version and a rackmount version. The standalone transmitter and receiver are packaged in small, lightweight ABS plastic cases and equipped with wall-mount transformers, for use on a desktop or shelf. The printed circuit card can be removed from the case and the transformer and modular plug discarded, enabling the card to be installed in a rack is desired. The rackmount version slips easily into a 8- or 16-card rack or enclosure.

Connectors:

Each unit is equipped with a DB25 connector and a 4-wire terminal block with a modular plug. The modular plug can be removed if desired. The DB25 connector conforms to the IBM PC Parallel interface pinout, utilizing the Centronics interface protocol. The 4-wire terminal block is the serial interface to the twisted-pair line.

Installation Procedure:

Before installing the receiver or transmitter, make certain the unit is not plugged into the power source, and the equipment that you are going to attach to them is turned off. Each unit is ready to use as it comes from the factory. No changes are necessary when used as a modem set to transmit data from a parallel device to another parallel device at distances of up to 1.1 miles. However, for installations in which the loop-length exceeds 1.1 miles, data corruption may occur due to excessive line noise and /or capacitance. In this case, reduce the transmission baud rate, using configuration procedure.

Installation is accomplished in the following three steps:

1. Connect Cabling: For installation utilizing modular cables, connect a 4-wire twisted-pair cable into the modular connector on the back of each SHM-B Parallel. For installations that do not use modular cables, remove the modular adapter from the terminal block (located on the printed circuit card) and use a 4-wire twisted-pair cable. Remove the card from the case or rack and unscrew the lead from the plug to the terminal connector on the card. Strip 1/8 to 3/16 inch of the insulation from the end of all four of the cable wires. Insert the wires into the terminal block and tighten the screw terminals. Connect the terminals on the transmitter to the terminals on the receiver as shown below.

