

INSTALLATION GUIDELINES - ME800 SHORT HAUL MODEM

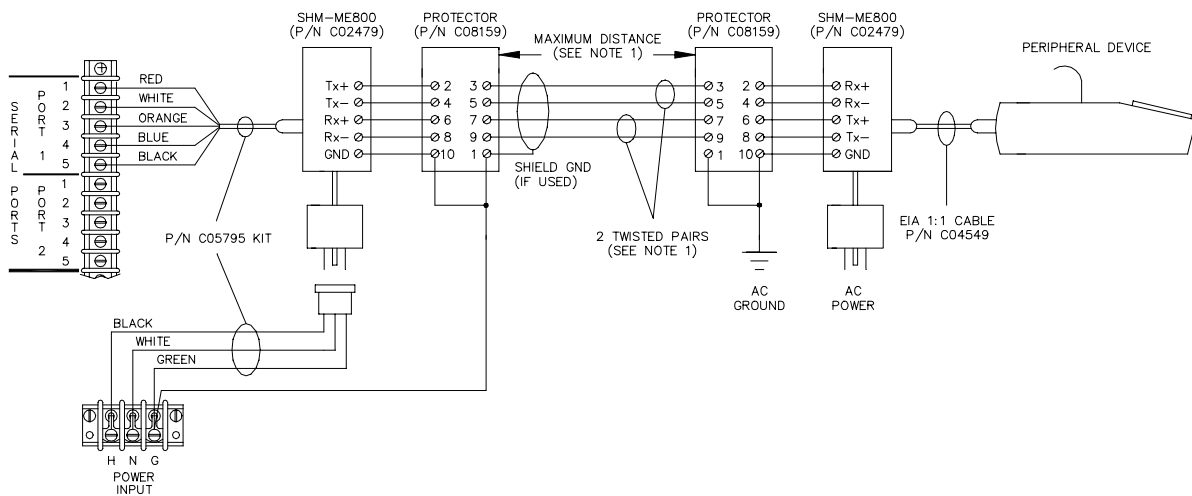
The Series 1000 System can be wired for direct communication distances over 1500 feet using ME800 asynchronous Short Haul Modems (SHM). One SHM is required for each end of the communication line. Communication can be through Port 1 (as shown) or Port 2 of the Series 1000 system.

It is recommended that a surge protection device (P/N C08159) be purchased for each SHM to help protect it from transient voltages that can be induced into the communication lines. One device is required for each SHM.

This mounting kit C05795, for the ME800 Short Haul Modem, provides a shelf and all the necessary interconnect cables required for installation of the SHM into the Series 1000 post. It consists of the following:

- C01168 Screw, 8-32 x 3/8
- C02188 Bushing, Snap-in 5/8 ID
- C35026 Bracket, SH Modem Mounting
- C04660 Cable Assy., AC Power Receptacle
- C04661 Cable Assy., RS-232 x 2' w/Spades
- C34856 Instructions, Installation
- C04371 Trim Material, Edge
- C35588 Installation Guidelines - ME800 Short Haul Modem

Install the SHMs and surge protectors per the drawing and specifications listed below.



All wiring is to be installed and used in accordance with local building/fire codes, all Federal, State, and Local codes, the National Electrical Code (NFPA 70), NFPA 30, and the Automotive and Marine Service Station Code (NFPA 30A) codes and regulations. Canadian users must also comply with the Canadian Electrical Code.

See opposite side of this sheet for wiring notes.

NOTES:

1. The maximum distances specified by the manufacturer are listed below. These distances are valid when using 22 or 24 AWG two twisted-pair unshielded cable. Shielded cable will reduce distance to one-third of the table value. Please note that the proper wire, according to National Electrical Code (NFPA 70), NFPA 30, and Automotive and Marine Service Station Code (NFPA 30A) codes and regulations must be used when the modem is installed over a hazardous location.

9600 baud - 2 miles	300 baud - 10 miles	2400 baud - 5 miles
	1200 baud - 10 miles	4800 baud - 4 miles

2. Field wiring must be made with point-to-point wire or cable. If telephone lines are used, they must be point-to-point (not go through any type of switching equipment).
3. AC power for the SHM on the remote end should come from the same dedicated breaker that supplies power for the data terminal (printer).
4. Set both SHMs for DCE (switch located inside SHM).

Installation requirements for the SHMs are specified by the manufacturer. GASBOY will not be responsible for any problems encountered if these units do not perform properly.