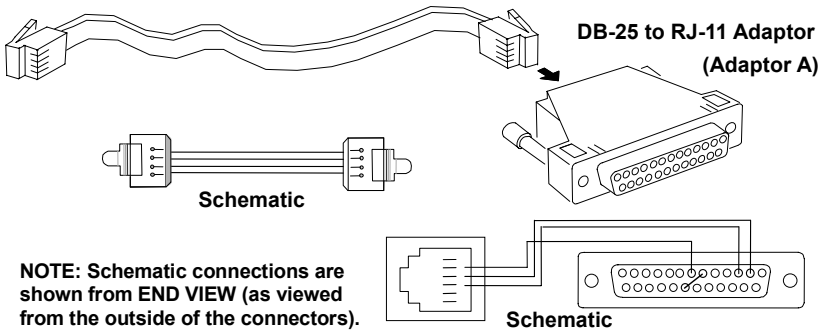
Cabling to Host Computer with DB-25 Port

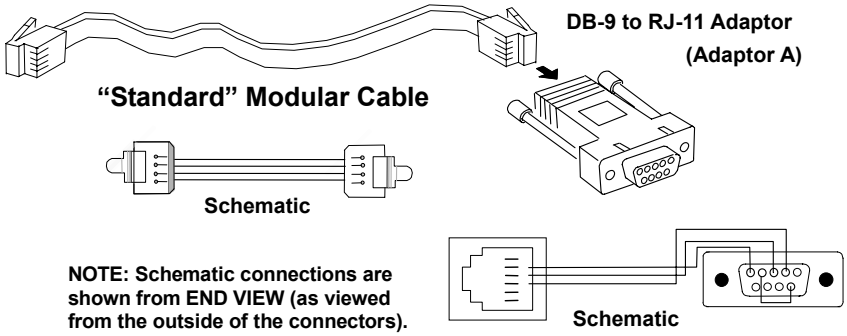
(Use DB-25 RS-232 Host Cable Assy. See pp. 24-25)



NOTE: Schematic connections are shown from END VIEW (as viewed from the outside of the connectors).

Cabling to Host Computer with DB-9 Port

(Use DB-25 RS-232 Host Cable Assy. See pp. 24-25)

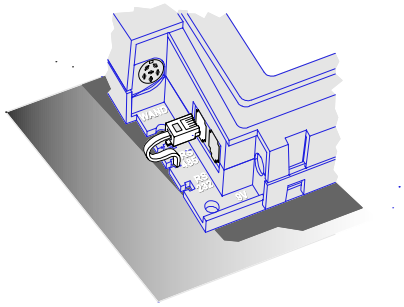


NOTE: Schematic connections are shown from END VIEW (as viewed from the outside of the connectors).

See Page 24 for USB to RS-232 Adaptor.

Local Area Network: RS-485 Serial Port

The RS-485 serial port is located on the lower left corner of the terminal. It is a six position 6-pin female port with the outer 2 pins to Ground. It will accept a male RJ-11 modular connector.



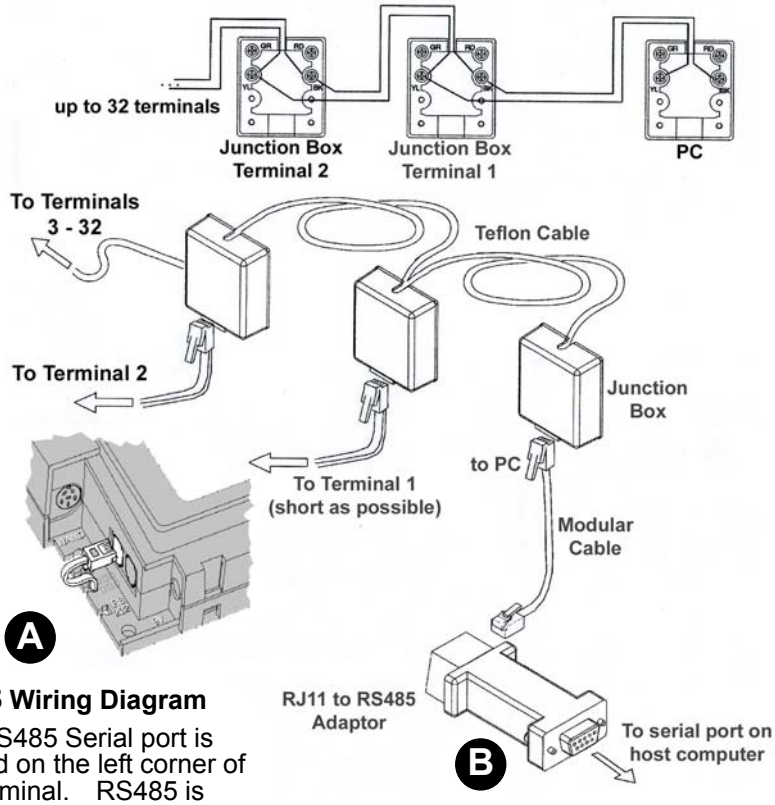
The terminal can use RS-485 2-wire serial communication, allowing up to 32 terminals to be connected to one host port. An RS-232 port on the host is typically used in conjunction with an RS-232/RS-485 converter to complete the connection.

Through software, the host can communicate with individual terminals even though they are wired in parallel. RS-485 communication uses a differential bus, which provides good protection from interference over long runs of up to 4000 feet.

NOTE: When wiring a network, always follow the electric wiring codes in your area. Typically, a Teflon coated wire is required for wiring through the ceiling. The “Daisy Chain” cabling between junction boxes shown on the opposite page is a Teflon jacketed cable.

RS-485 Serial Cables

Junction Box "Daisy Chain" Wiring Diagram



RS485 Wiring Diagram

The RS485 Serial port is located on the left corner of the terminal. RS485 is imprinted on the terminal casing. **A**

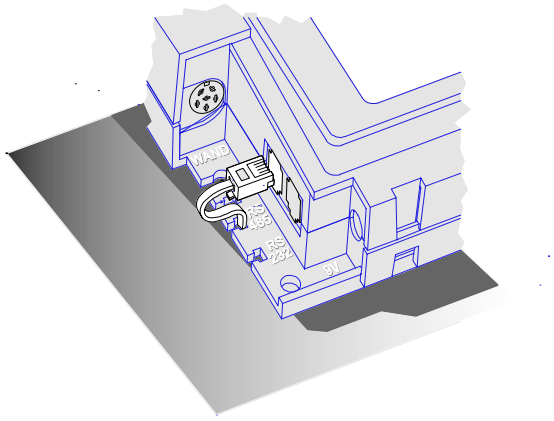
RS485 communication allows up to 32 terminals to be connected to one serial port. An RS232 port on the host PC is used with an RS232/RS485 converter to complete the connection. **B**

RS485 provides good protection from interference over long runs up to 4000 ft.

Note: When wiring a network, always follow the electric wiring codes in your area. Typically, a Teflon coated wire is required for wiring through a ceiling. The junction box to junction box wire shown is a teflon jacketed cable.

Modem Port

The port depicted may have either an RS-485, a Modem, or an Ethernet Communication Device. Terminals, which are equipped with a Modem port, will not have an Ethernet or RS-485 port. The Modem Port is a 6 position 4-pin female port, which will accept a male RJ-11 modular connector.



The internal modem (modulator/demodulator) converts electronic data into tones, which are then transmitted over phone lines.

Warning: do not plug the modem into a digital phone system because it will damage the modem and void the warranty.

Modem Cables

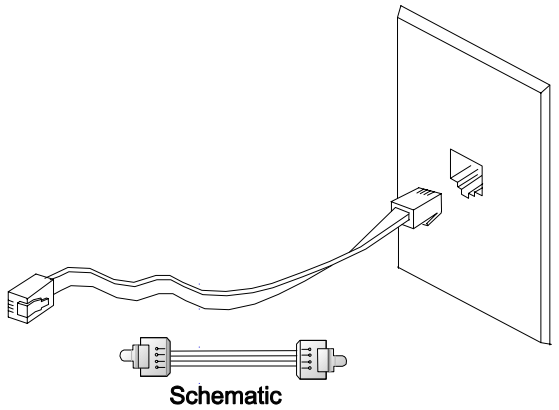
Caution – To reduce the risk of fire, use only 26 AWG or larger telecommunication line cord.

The cabling for modem operation is typically very simple. The modular connection uses the two inner wires of the RJ-11 jack for “tip” and “ring.”

Connect one end of the cable to the terminal and plug the other end into your RJ-11 type modular telephone wall jack. The RJ-11 wall jack should be of the analog telephone type and not a digital network jack.

Warning: Connecting to a digital network jack will damage the modem.

If a modular wall jack is not available, obtain an adaptor from your local telephone company.



Schematic

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