Serial COMM Test Wiring Help

The AT style computer port has a RS-232 DB-9Pin connector while the Series 90 PLC has a RS-485 DB-15Socket connector on the 90-30 power supply (behind the door) or on all 90-70, 90-30 CPU351/352/363 and most micros.

GE Fanuc sells a mini-converter with 6 foot cable as IC690ACC901 or under the Horner Electric part HE693SNPCBL. The mini-converter plugs directly into the DB-15 connecter and is powered by the +5 VDC on pin 5 relative to ground on pin 7. The DB-9Pin connector is reverse AT style signals, so the cable is straight through for pins 2, 3, 5, 7 and 8. This cable connects the following signals

Cable from DB-9Pin AT to DB-9Pin Converter
DB-9Socket   DB-9Socket
Pin 2 - RxD ----------- TxD - Pin 2
Pin 3 - TxD ----------- RxD - Pin 3
Pin 5 - Gnd ----------- Gnd - Pin 5
Pin 7 - RTS ----------- CTS - Pin 7
Pin 8 - CTS ----------- RTS - Pin 8

You can make your own cable for distances up to 50 feet, or up to several hundred feet if low capacitance cable is used. A converter with LED's and a 12 foot molded cable is available from www.asedata.com.