

Null Modem Cable

The TESx has a 9-pin RS232 male serial port connector for each of its three serial ports. All of these ports can use either hardware or software flow control. To connect a transmit computer to one of the serial ports, a null modem cable is required. A 9-pin to 9-pin null modem cable is included with the encoder (Norpak part number 91-09497-01). If the transmit computer uses a 25-pin connector for its serial port, then a cable must be constructed according to the wiring diagram below. This cable supports both hardware and software flow control, but requires the transmit computer to assert both the DTR and RTS signals. On power up the software module asserts the RTS pin on the serial port that it uses. As a result of the null modem cable, this appears as the CTS pin on the serial port being used by the transmit computer being asserted. In the (hardware) flow control state the module negates its RTS pin, which in turns appears as the transmit computer's CTS pin being negated.

NOTE: A LAN based encoder uses serial port A to configure the encoder. A null modem cable is required in this case.

