3.3.2.2 RS-232 Connection to a Standard Computer or Terminal
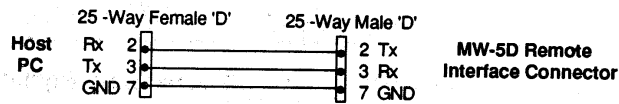
Most computers and terminals have a serial port which use the RS-232 interface standard via a 25-way 'D' connector. More recent IBM PC compatible computers use a 9-way 'D' connector.

When using RS-232 communications it is only necessary to use three signals on the MW-5D Remote Interface connector. These signals are:

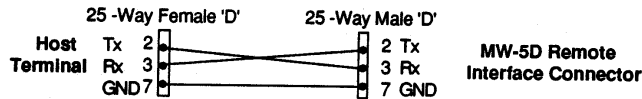|	
Tx Data	Pin 2
Rx Data	Pin 3
Digital Ground	Pin 7

The connecting cable must be wired such that Tx Data from the host goes to Rx Data on the MW-5D and Tx Data from the MW-5D goes to Rx Data on the host. In effect, the Tx Data and Rx Data lines are "cross-coupled". The digital ground must also be connected between the host and MW-5D.

Typical PC Connection:

25 -Way Female 'D'   25 -Way Male 'D'

Host   Rx   2 ————————————— 2 Tx   MW-5D Remote
PC   Tx   3 ————————————— 3 Rx   Interface Connector
        GND 7 ————————————— 7 GND

If your PC compatible uses a 9-pin 'D' connector for its RS-232 port, the cable is wired as shown above except you must use Pin 5 for GND on the PC connector instead of Pin 7.

WYSE Terminal Connection:

25 -Way Female 'D'   25 -Way Male 'D'

Host   Tx   2 ———————╳——— 2 Tx   MW-5D Remote
Terminal Rx   3 ———————╳——— 3 Rx   Interface Connector
         GND 7 ————————————— 7 GND

CAUTION !	When making a cable, ensure that connections are not made to the analog portion of the REMOTE INTERFACE connector. These voltage levels are incompatible with RS-232 signals and damage could occur.