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:

<table>
<thead>
<tr>
<th>Signal</th>
<th>Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tx Data</td>
<td>2</td>
</tr>
<tr>
<td>Rx Data</td>
<td>3</td>
</tr>
<tr>
<td>Digital Ground</td>
<td>7</td>
</tr>
</tbody>
</table>

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:**

- **Host**: Rx 2, Tx 3, GND 7
- **PC**: Rx 2, Tx 3, GND 7
- **MW-5D Remote Interface Connector**: Rx 2, Tx 3, GND 7

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:**

- **Host**: Rx 3
- **Terminal**: Rx 3
- **GW-5D Remote Interface Connector**: Rx 3

**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.