## TECHNOTES
Direct Touch RS 422 wire connections to DirectLogic PLCs

**Product group:** Direct Touch  
**Information Type:** Communications  
**Last revised:** 7 Nov, 2002

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### Touch Panel

<table>
<thead>
<tr>
<th>Port 1</th>
<th>Port 2</th>
<th>Port 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>430/440/450</td>
<td>350</td>
<td>450</td>
</tr>
</tbody>
</table>

- **FG** — No Connection
- **SG** — 07 0v
- **RD-** — 16 TXD-
- **RD+** — 14 TXD+
- **SD-** — 10 RXD-
- **SD+** — 09 RXD+
  - 18 RTS-
  - 19 RTS+
  - 23 CTS-
  - 11 CTS+

**Touch Panel**

<table>
<thead>
<tr>
<th>Port 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2-DCM</td>
</tr>
<tr>
<td>D3-DCM</td>
</tr>
<tr>
<td>D4-DCM</td>
</tr>
</tbody>
</table>

- **FG** — No Connection
- **SG** — 07 0v
- **RD-** — 15 TXD-
- **RD+** — 14 TXD+
- **SD-** — 16 RXD-
- **SD+** — 17 RXD+
  - 11 RTS-
  - 10 RTS+
  - 13 CTS-
  - 12 CTS+

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**Touch Panel**

<table>
<thead>
<tr>
<th>Port 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0-06</td>
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<tr>
<td>D2-250</td>
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<tr>
<td>D2-250-1</td>
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<tr>
<td>D2-260</td>
</tr>
</tbody>
</table>

- **FG** — No Connection
- **SG** — 07 0v
- **RD-** — 10 TXD-
- **RD+** — 09 TXD+
- **SD-** — 06 RXD-
- **SD+** — 13 RXD+
  - 12 RTS-
  - 11 RTS+
  - 15 CTS-
  - 14 CTS+

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**Note:**
For RS-422 connections we recommend Belden 9729 cable. It is very important for the panel RS-422 setup match the settings of the PLC port you are connecting to.

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