



**TECHNOTES**

**Direct Touch RS 422 wire connections to DirectLogic PLCs**

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

**Touch Panel      Port 1 430/440/450  
 Port 2 350**

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      D2-DCM  
 D3-DCM  
 D4-DCM**

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+

**Touch Panel      Port 3 450**

FG ----- No Connection  
 SG ----- 07 0v  
 RD- ----- 13 TXD-  
 RD+ ----- 12 TXD+  
 SD- ----- 25 RXD-  
 SD+ ----- 24 RXD+

RTS and CTS is not present on this port

**Touch Panel      Port 2 D0-06  
 D2-250  
 D2-250-1  
 D2-260**

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+

**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.