TECHNOTES

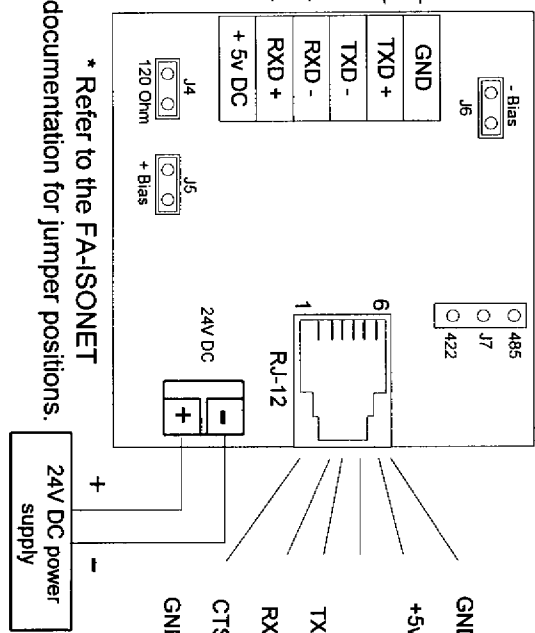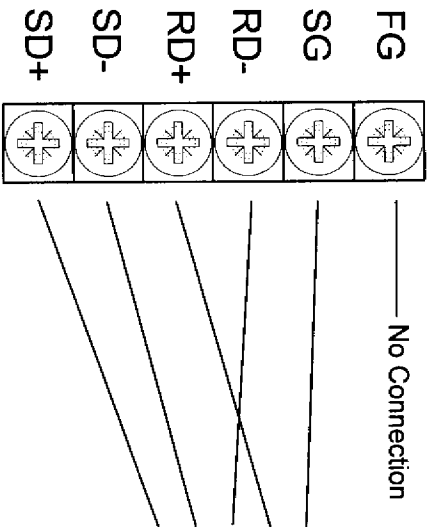## Connecting Direct Touch RS 422 to To Allen Bradley SLC 503/504 RS 232 Port.

Product group: Direct Touch
Information Type: Communications
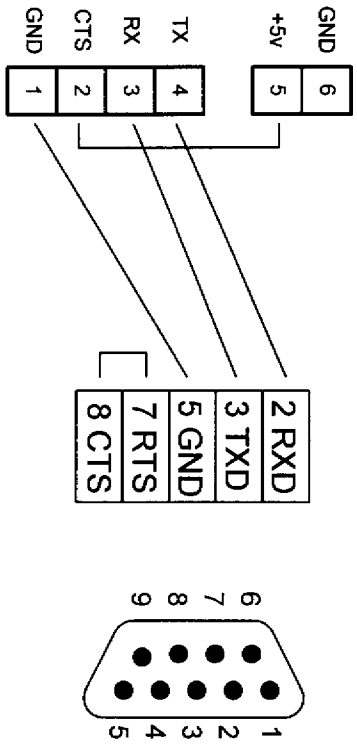Last revised :   2 Mar, 2000

Touch Panel
RS 422 terminal

FA-ISONET

AB RS232
Port

Touch Panel			
FG	— No Connection		
SG			
RD-			
RD+			
SD-			
SD+			

* Refer to the FA-ISONET documentation for jumper positions.

J6   – Bias
J4   120 Ohm   + 5v DC
J5   + Bias

GND	
TXD +	
TXD -	
RXD -	
RXD +	
+ 5v DC	

485
J7
422

RJ-12
24V DC

24V DC power supply   +   –

+5v	6
GND	5
TX	4
RX	3
CTS	2
GND	1

2 RXD	
3 TXD	
5 GND	
7 RTS	
8 CTS	

6 — 6
7 — 2
8 — 7
9 — 3
— 4
5

Touch Panel
RS 422 Configuration

Connected Device	PLC
Communication Rate	9600
Parity	Even
Stop Bit	1
Data Length	8

Note: The Baud rate and Parity must match between the Touch Panel and the PLC.

Depending on distance it may be necessary to increase the Timeouts and Retries in the Touch Screen. They can be accessed by selecting the Detail tab when configuring the comm port on the touch panel.

AB Chan. 0
RS232 Configuration

Driver	DF1 Full Duplex
Baud	9600
Parity	Even
Control Line	No Handshaking
Error Detection	BCC
Embedded Resp.	Enabled
ACK Time	50
NAK Retries	3
ENQ Retries	3