RS232 to RS485 / RS422 Converter

Jumper Setting

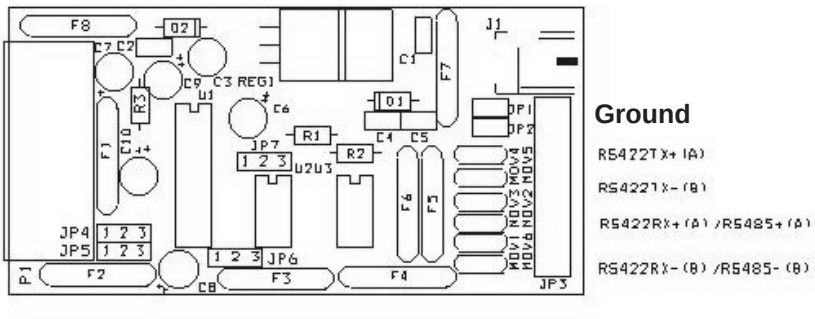
JP1	**CLOSE**		**RS485 / RS-422 Transmit Termination ON 120 Ohm**
JP1	**OPEN**	**Default**	**RS485 / RS-422 Transmit Termination OFF**
JP2	**CLOSE**		**RS-422 Receive Termination ON 120 Ohm**
JP2	**OPEN**	**Default**	**RS-422 Receive Termination OFF 120 Ohm**
JP4	**CLOSE 1-2**		**RS-232 TXD to DB9M Pin 3**
JP4	**CLOSE 2-3**	**Default**	**RS-232 TXD to DB9M Pin 2**
JP5	**CLOSE 1-2**		**RS-232 RXD to DB9M Pin 2**
JP5	**CLOSE 2-3**	**Default**	**RS-232 RXD to DB9M Pin 3**
JP6	**CLOSE 1-2**		**Enable RS-485**
JP6	**CLOSE 2-3**	**Default**	**Enable RS-422**
JP7	**CLOSE 1-2**		**Enable RS-485**
JP7	**CLOSE 2-3**	**Default**	**Enable RS-422**

JP4 and JP5 physically connect the proper RXD or TXD to the pins of the RS-232 connector. Therefore removing from all shorting bars of either jumper will eliminate any connection to that pin.

The default jumper selection allows for RS-422 operation. Data from the TXD RS-232 port is continuously sent out the RS-422 TXD pins. Data is continuously recieved from the RS-422 RXD pins to the RXD RS-232 port.

When selected for RS-485 operation the RTS pin of the RS-232 side is used to control the flow of data. Therefore when RTS is High data is recieved to the RXD RS-232 port from the RS-485 and when RTS is Low data is transmitted out the RS-485 from the TXD RS-232 port.

DB9M Pin Out		**Default**
1	**N/C**	
2	**RXD/TXD**	**TXD**
3	**RXD/TXD**	**RXD**
4	**DTR True**	
5	**GND**	
6	**N/C**	
7	**RTS**	
8	**N/C**	
9	**12VDC Input**	



Pin 9 can be 12VDC input to power the adapter. However no voltage is output from this pin when the external power supply is used.

Connecting the VSI-Pro to the RS-485 Port of the MVDR3000 or MVDR5000
JP1 Close, JP2 Open, JP4 None, JP5 Close 2-3, JP6 2-3, JP7 None

MVDR3000 / 5000	**RS-232 to RS-422/485 Adapter**
RJ12 - 6 Pin Modular	**Screw Terminals**
1 --- N/C	
2 --- GND ----------	GND ---- Terminal 5
3 --- V+ ----------	A+ ----- Terminal 1
4 --- V- ----------	B- ------ Terminal 2
5 --- GND ----	N/C
6 --- N/C	