

A.2 PLC Serial Port (COM2)

The Series 90-30 PLC serial port is compatible with RS-422. An RS-232 to RS-422 converter is required to interface to systems that provide RS-232 compatible interfaces. This part is available from Horner APG (Part #HE693SNP232A). The Series 90-30 PLC, RS-422 serial port provides the physical connection for SNP communication. This port is a 15-pin D-type female connector located on the Series 90-30 PLC Power Supply. Figure A.2 shows the serial port orientation and connector layout for the Series 90-30 PLC types. Table A.2 shows the pin numbering and signal assignment applicable to the PLC.



Figure A.2 – Series 90 PLC, RS-422 Serial Port Connector Configuration (COM2).

Table A.2 – COM2 Pinout			
Pin Number	Signal Name	I/O	Description
1	Shield		
2	N.C.		No Connection
3	N.C.		No Connection
4	N.C.		No Connection
5	+5V *	Output	+5V Power for HHP and RS-232/485 Converter
6	-RTS	Output	Request To Send
7	GND		Ground
8	CTS	Input	Clear To Send
9	RT *		Terminating Resistor for RXD **
10	-RXD	Input	Receive Data
11	RXD	Input	Receive Data
12	-TXD	Output	Send Data
13	TXD	Output	Send Data
14	RTS	Output	Request To Send
15	-CTS	Input	Clear To Send

* Signals available at the Connector (RS-422) on the Series 90-30 PLC but not included in the RS-422 specification.

** Termination resistance for the Receive Data (RXD) signal needs to be connected only on units at the end of the lines. This is accomplished by connecting a jumper between pins 9 and 10 inside the 15-pin D-shell.