

Digital Connections

The Model 162/322 assembly accepts and multiplexes four RS-232C or RS-422 digital data signals and two remote relay closures. The 162/322 is also used to receive a transmission, restore the digital signals and provide switch closures. The number of data channels is fixed and independent of the number of audio channels in the assembly. Both data input and output are accomplished on the same connector.

Digital signal connections are made via 9-pin D connectors; see Figure 5. The connection specifications are listed in Table 3. A 110 Ω terminating resistor placed across the balanced inputs may be needed if input cable lengths are in excess of 6 feet. Serial communications can be RS-232 at one end and RS-422 at the other, if desired.

Contact closure input is activated by pin 8 on contact to ground or to a TTL logic 0 signal level. Contact closure output is established by an isolated, normally open, dry contact built onto the Main PC Board.

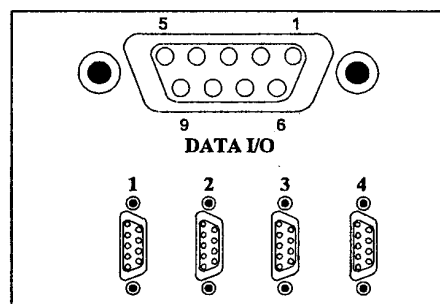


Figure 5. 9-pin D-connectors

Table 3. Digital Cable Connections

Pin Number	Connectors 1, 2	Connectors 3, 4
1	RS-422 in (-)	RS-422 in (-)
2	Contact out	No connection
3	Ground	Ground
4	RS-232 out	RS-232 out
5	RS-422 out (-)	RS-422 out (-)
6	RS-422 in (+) RS-232 in (+)	RS-422 in (+) RS-232 in (+)
7	Contact out	No connection
8	Contact in	No connection
9	RS-422 out (+)	RS-422 out (+)

The four digital I/O connectors are AMP 747905-2, D subminiature female or equivalent.
