

T E C H N I C A L N O T E

Doc No.: TN30-03
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Subject: Connections for the P349 – TTL to RS485 Serial Adapter

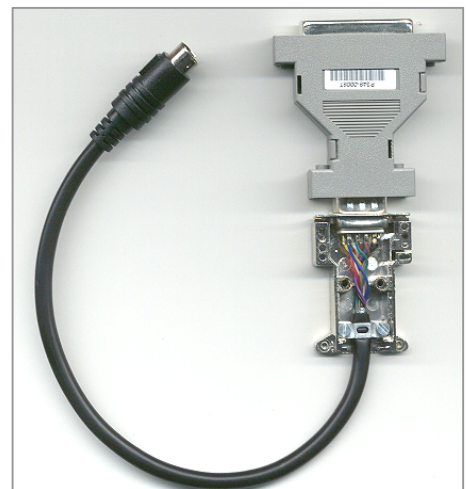
The P349 RS485 adapter was designed for use with the MC202 to convert the on-board TTL level signals to RS485 (Port 1).

The programming port (Port 0) and secondary user port (Port 1) found on the MC202 mini-DIN is brought out to a DB25S connector to be accessible by the user.

Connecting the P349 to MC202

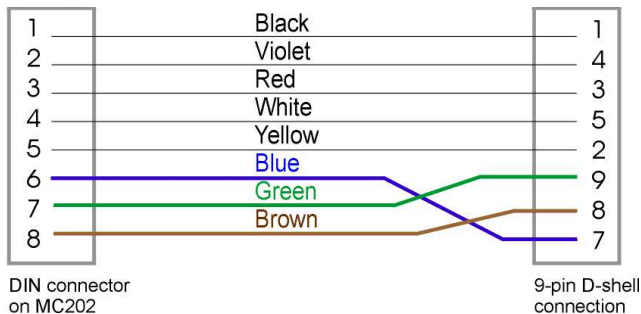
The mini-DIN connector on the P349 plugs into the female mini-DIN on the MC202. The mini-DIN is wired to a DB9 connector to allow accessibility to both serial ports. A DB9-to-DB25 adapter is used which contains RS485 drivers for the TTL port (Port 1). The programming port (Port 0) remains at RS232 level for connection to *Motion Perfect™* via a serial comm port on the PC.

Refer to application note “**P348 Serial to RS485 Adapter.pdf**” found on the Trio Tools & Resources CD for connections of the DB25.



P348 / 349 Adapter showing 9-pin D-shell

P349 Wiring for MC202



Serial Ports

MC202 Serial Ports