GPS Antenna cable plugs in here. Position the antenna for a clear view of the sky.
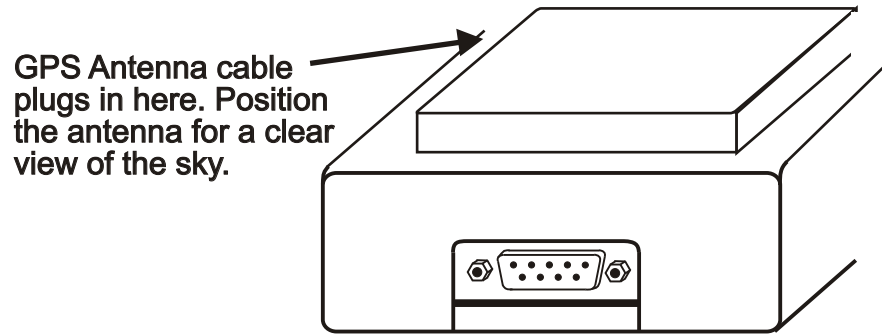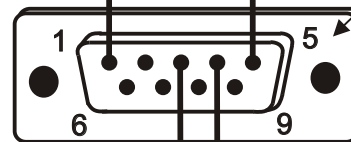
Power Requirements

10-20 Volts DC
0.10 Amps

+12 Volts DC Aircraft Power — Red

Ground — Black

1 2 3 4 5
6 7 8 9

Pin numbering on connector housing. Shown from the rear of the connector.

1 5
6 9

GPS Serial Data In
(Not Used - Do not connect)

Gray/Red — GPS Serial Data Out

Notes:

1. Mount the GPS Module to avoid water, fuel, and extreme heat.
2. Turn off power to the module adapter when not in use to avoid discharging the aircraft's battery.
3. Wiring is shown to the connector that plugs into the adapter.
4. Current Draw is less than 0.1 amp. Power should be supplied to the unit through a breaker of 5 amps or less. It is acceptable to share a breaker with this and other equipment, provided that if the breaker opens, the loss of the equipment powered by that breaker does not cause an issue with the safety of flight.

Configuring the EFIS

1. Using the Set Menu, "General Setup" pages, configure the serial port that has been wired to the GPS module to "NMEA0183 GPS".
2. Set the baud rate to 4800.
3. The serial output from the EFIS to the GPS is not used. This output may be used for other purposes that can utilize 4800 baud data.
4. Verify the Serial Port counter is incrementing. If this counter is not changing, serial data is not being receieved at the EFIS, and the wiring should be checked.
5. Use the "Display Unit Maintenance" page, and select "GPS Status" to observe if the GPS is able to receive satellite data. Initial position lock may take 10-20 minutes.

External GPS Module
GRT Avionics, Inc.

GPS-External Module Rev B.cdr
Rev B