

MOT202TSADC Modem Hardware Update DC Power Connector

Overview

This document contains instructions for installing the Telenetics MOT202TSADC modem equipped with DC input supply voltage. This information should be used for the MOT202TSADC version and replaces the power supply installation section in the MOT202TSA/MOT202TRM modem user's guide (part number 0049-0119-000).

DC Power Connection

The DC power connector is located on the back panel of the modem. This connector accepts a DC voltage source from 10 to 53 VDC and provides 500 Volts isolation. Figure 1 shows this connector.

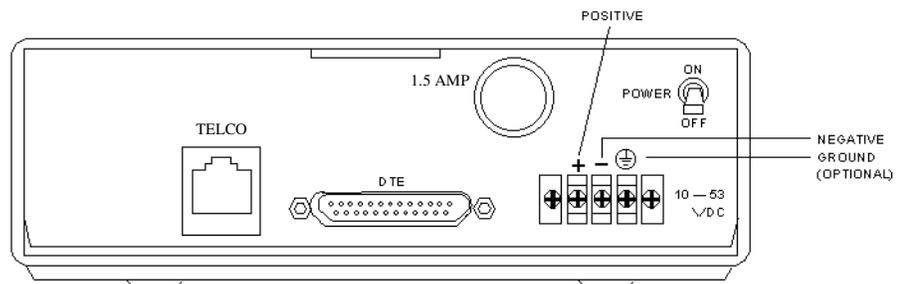


Figure 1. DC Power Connector on the Back Panel of the Modem

A shielded power cord is supplied with each modem. When using this cable to connect to a DC power source, note that RED denotes positive and BLACK denotes negative. The shielded wire is non-insulated and, at the user's option, may be connected to Ground or left unconnected.

MOT202TSADC modems equipped with a DC power connector come with a grounded power cable for attaching the modem to an acceptable DC power source. To attach this cable to the DC power connector on the back panel of the MOT202TSADC:

- Connect the positive wire from the supplied cable to the positive terminal block (labeled +) on the DC power connector. Facing the back of the modem, this is the left terminal block.
- Connect the negative wire from the supplied cable to the negative terminal block (labeled -) on the DC power connector. Facing the back of the modem, this is the middle terminal block.
- Connect the ground wire from the supplied cable to the earth ground terminal block (labeled ) on the DC power connector. Facing the back of the modem, this is the right terminal block.

Note: Connecting the ground wire to earth ground is optional for operation. However, it is strongly recommended that you make this connection because doing so provides surge protection for the modem.

DC Power Supply Specifications

DC Power Supply Voltage:	10 to 53Volts DC
DC Current Requirement:	500 mA at 12 Volts 200 mA at 24 Volts 100 mA at 48 Volts
Operating Temperature:	0° to 50° C
Isolation Voltage:	500 Volts DC (between inputs to outputs)
Fuse Rating:	1.5 Amp, Slow Blow