

DC to DC Isolated Power Supply Installation

Quick Reference Guide

Required Tools and Equipment

- ▶ Antistatic wrist strap
- ▶ Small Phillips screwdriver
- ▶ Wire stripper and wire cutter
- ▶ Voltmeter

Power Supply Specifications

- ▶ CAT II Power Supply
- ▶ Input range of 6 - 36 VDC
- ▶ Regulated, isolated output of 12 VDC



WARNING: Always turn off power to rectifier and other devices before beginning installation.

WARNING: To prevent electrostatic discharge (ESD) damage when handling electronic equipment, always wear an antistatic wrist strap attached to an unpainted, grounded metal object. Ensure the wrist strap has maximum contact with bare skin. If wires are to be buried or covered, conduit must be used to protect the wires.

WARNING: The Power Supply is **not** weather-proof. The Power Supply must be installed in an enclosed environment, such as a rectifier or inside a Remote Monitoring Unit (for example, RM4010).

Installing the Equipment

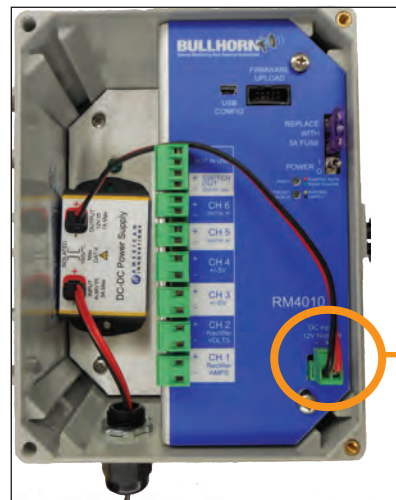
1 Connect Power Supply to Input and Output

- 1 Connect wires to the **INPUT** and **OUTPUT** connectors on the **Power Supply**.



Power Supply Connectors

- 2 Connect **INPUT** wire to the DC power source.
- 3 Connect **OUTPUT** wire to the **DC Input** connector on the Remote Monitoring Unit (see images).



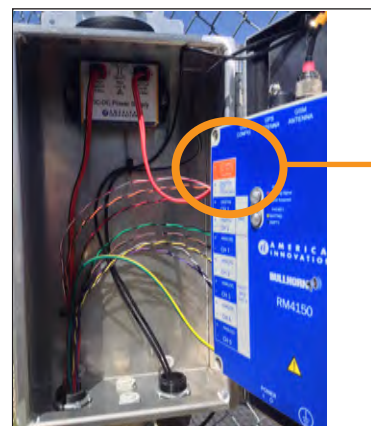
Power Supply Stored in RM4010

DC Input Connector

2 Mount or Secure Power Supply

- 1 Mount or secure **Power Supply** in the best location to ensure it is protected from the elements. Suggested locations are inside the Remote Monitoring Unit's enclosure or inside the rectifier.

NOTE: If the Power Supply will be kept inside the Remote Monitoring Unit's enclosure (two examples shown), be sure to route the **INPUT** wire through the enclosure's watertight fitting. Use conduit to protect all exposed wires.



Power Supply Mounted with RM4150

DC Input Connector

NOTE: These procedures are general steps for a typical installation. If your installation requires additional technical assistance, please call the Technical Services group at 1-800-229-3404.