

## Overview

This security device communicates with the Diablo Controls AVI-X transmitter every time the unit is powered up. Without this coded handshake, the transmitter will remain disabled, thus ensuring the transmitter will be useless if stolen. The AVI-SD can only be installed with a Diablo Controls AVI-X transmitter.

The AVI-SD requires a 12 volt DC connection and a vehicle ground connection. An optional alternate code switch can be installed for transmitters that support its use. The AVI-X must be wired to the AVI-SD for the system to function properly.

The steps for the installation are:

1. Determine a suitable mounting location. Location should not be easily visible.
2. Determine the source for 12VDC power. Should be a switched power source (ACC or Emergency Lights).
3. Route the cable from the AVI-X to the AVI-SD mounting location.
4. Route the wire from the 1 amp fused 12VDC source to the AVI-SD mounting location.
5. Optional – Mount alternate code switch and route wiring to the AVI-SD mounting location.
6. Optional – Connect alternate code switch to the AVI-SD terminals labeled SWITCH SW & GND.
7. Connect the AVI-X to the AVI-SD terminals labeled XMTR PWR (Red wire), GND (Black wire), & AUX (White wire).
8. Connect vehicle ground to the AVI-SD terminal labeled POWER GND (Black wire).
9. Connect the 12VDC source to the AVI-SD terminal labeled POWER +12 (Red wire).
10. Mount the AVI-SD unit and lace and secure all wiring. If the AVI-SD will be easily accessible after mounting, mounting the AV-SD first then attaching the wires in the above order may be easier.

Diablo Controls, Inc.

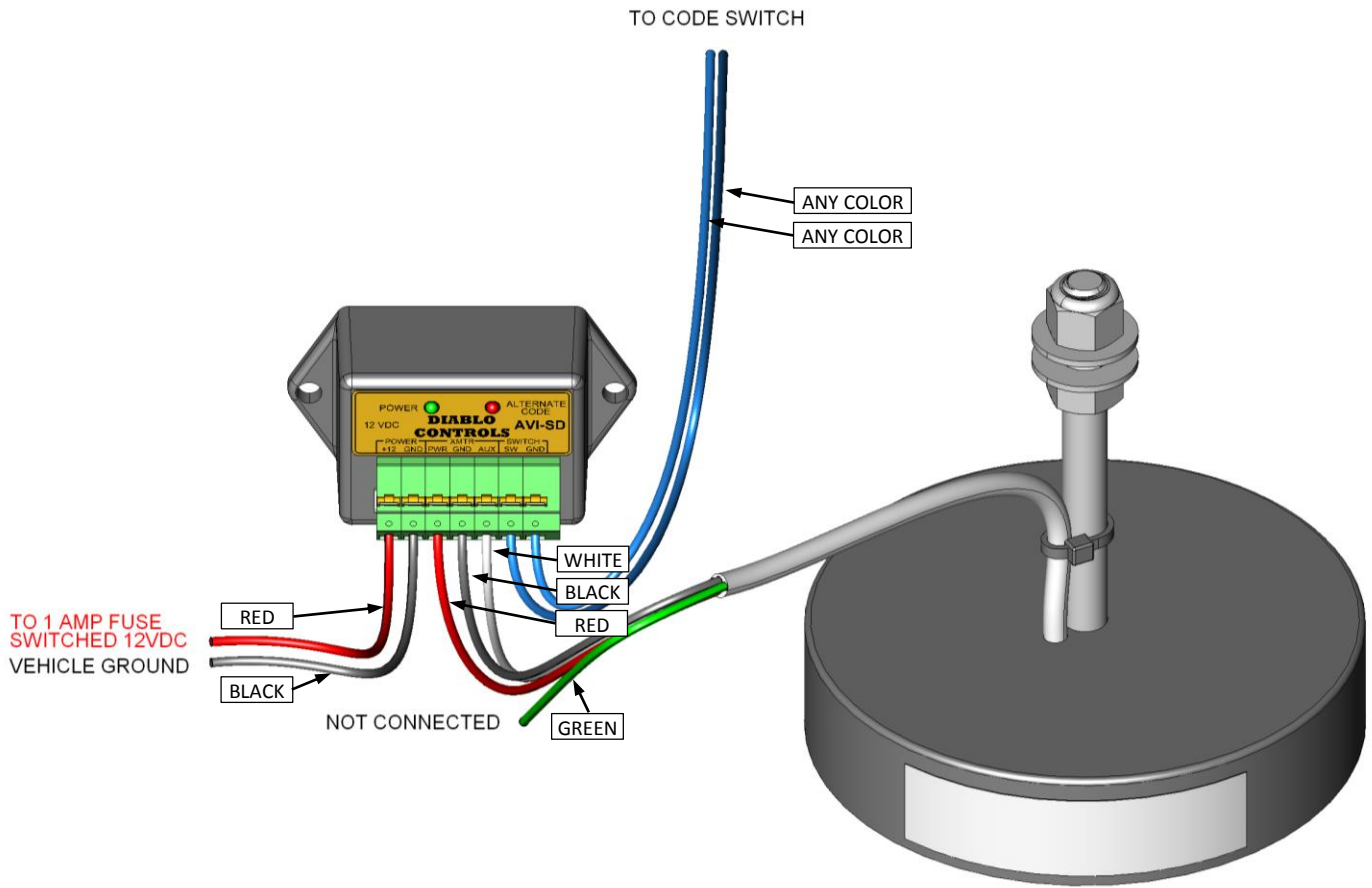
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## System Connections Overview



## IMPORTANT:

See AVI-X installation instructions for critical information regarding the correct mounting of the AVI-X transmitter on the vehicle.