

## Installation Instructions, AEP series

**Introduction:** The AEP series protects automotive electronics from surges and transients. It is typically installed as close as possible to the equipment being protected. The protector is wired in parallel to the equipment so it does not carry the equipment power.

**NOTE:** Before proceeding with the installation procedure, confirm that protector voltage and system voltage are the same.

### Installation Procedure:

1. Identify equipment to be protected.
2. Remove power to equipment. This can be done by removing the fuse/circuit breaker in the fuse box or by turning the ignition off.
3. Verify that power has been removed by turning on equipment and observing that power has been removed.
4. Locate the power leads to the equipment.
5. Select a mounting location near the equipment. **CAUTION: DO NOT MOUNT PROTECTOR IN ENGINE COMPARTMENT.**
6. Prepare two wire leads as follows:
  - a. Cut two wires to the length needed – one black and one red. Wires should be 14 AWG minimum and not exceed 12 inches each in length. Keep wire lengths **as short as possible for best performance.**
  - b. Strip one side of each wire and crimp/solder a ¼" female terminal to each wire. This side connects to the protector.
7. Use two "quick splice" insulation displacement connectors to tap into the two power wires feeding the equipment. If "quick splice" terminals are not available or cannot be used, remove a small section (3/8") of insulation off the two power leads. Strip the remaining ends of the protector's red and black wire and wrap the wire around the exposed wires of the equipment's power leads. Soldering the wires will ensure a reliable connection. See Figure 1.
8. Use electrical tape to cover exposed wires, where required.

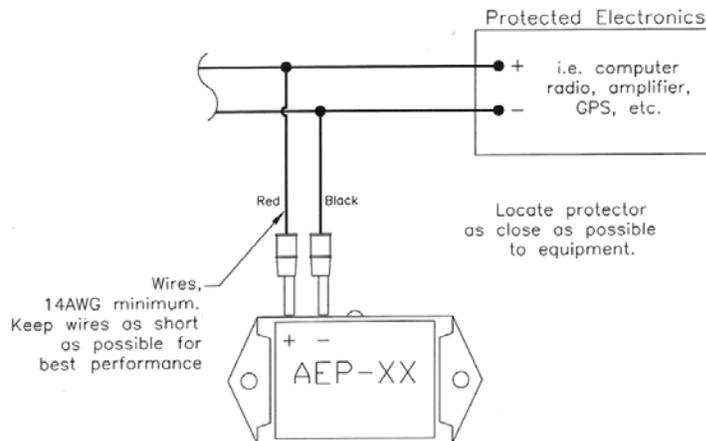


Figure 1

9. Mount protector using the two mounting holes on the flanges. **CAUTION: DO NOT MOUNT PROTECTOR IN ENGINE COMPARTMENT.**
10. **Caution: Before restoring power, make sure the red wire is connected to the positive wire of the equipment and the positive terminal of the protector, and the black wire is connected to the negative wire of the equipment and the negative terminal of the protector.**
11. Restore power and observe the protector's green LED illuminated. This means that power is present at the protector, and the protection circuits are functioning. Equipment is protected. If the LED is out, then either:
  - a. Power has been turned off or protector is disconnected – no power to protector.
  - b. Protector is damaged and should be replaced.
  - c. Both of the above.

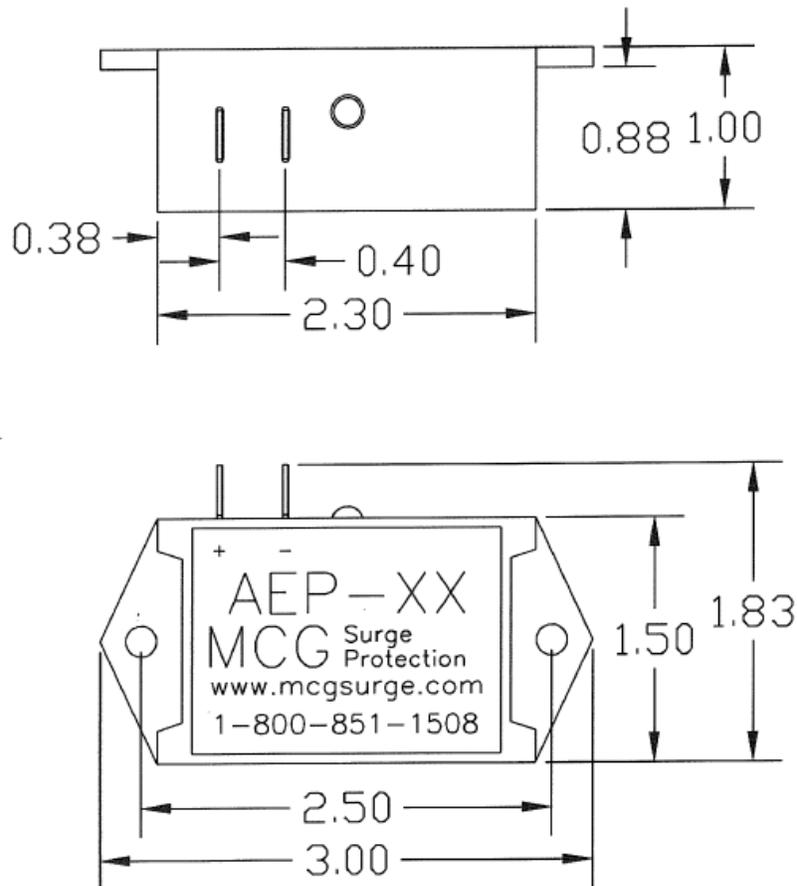


Figure 2  
Product Dimensions (Units expressed in inches)