FDMA212-HW Marine Surge Protective Device

For use with 12 VDC Marine applications (Seachoice Part Number 19931)

All wiring on the vessel shall be performed by a **QUALIFIED MARINE ELECTRICIAN,** and in accordance with the “Fire Protection Standard for Motor Craft”, NFPA No. 302, The Standards of the American Boat and Yacht Council, Inc., and the USCG Safety Standards for Boat Electrical Systems (33 CFR 183).

CAUTION!: **Always disconnect the battery from the electrical system before attempting to install the FDMA212-HW.**

1. Locate FDMA SPD close to the equipment to be protected Trim the leads as needed to keep them as short and straight as possible.
2. If the FDMA SPD is to be mounted in an area subject to corrosion, it is recommended that a liquid electrical coating or an environmentally sealed connector such as Cool Seal® (P/N 50-63511) is applied to the lead connections. If using Cool Seal® strip the leads to 1/4”, insert the wire through the sealing gel and into the splice. Crimp the connection with a correct crimp tool such as Seachoice P/N 50-61221.
3. Connect the **red wire** to **positive.**
4. Connect the **black wire** to **negative.**
5. Mounting screw size is #10 pan head or flat head. Stainless steel hardware is recommended. Do not over-tighten screws to prevent deforming the enclosure mounting feet.
6. After installation, reconnect the battery terminals and depress the **“Push to Test”** switch located on the enclosure to verify the LED illuminates Green while the switch is depressed. The push to test switch + LED allow the status of the SPD to be verified without the LED constantly draining the battery.

The following diagram illustrates a typical installation.