INSTALLATION INSTRUCTIONS MD2-DF

MD2-DF

- If you are adding the protector to an existing electronic pet containment system, make sure the pet is confined before you begin the work, since the system will be turned off for a few minutes.

- Do not perform the installation while there is a lightning storm (visible lightning flashes) in the area.

- Do not install the protector in an area where there are flammable materials.

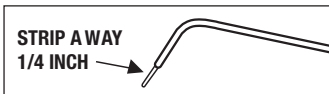- Unplug the transmitter power transformer from the wall outlet.

Remove any other protectors, and any ground connections to the transmitter and the loop.
The surge protector gets its ground connection from the AC outlet. Any additional ground connections will interfere with the protective action and may also interfere with the operation of the transmitter.

STEP 1 Plan to plug the lightning protector into a grounded (3-wire) 120V AC outlet within five feet of where you want to locate the transmitter.

The easy way to install this is to first connect the loop wires, and then plug the protector into the wall.

NOTE: If possible **DO NOT** use an AC circuit protected with a GFCI (Ground Fault Circuit Interrupter). Both the protector and the fence system will function properly, but in rare cases nearby lightning strikes may cause the GFCI to trip, and you will have to reset it.

STEP 2 Cut the loop wires near the protector and strip all four ends back 1/4 inch.
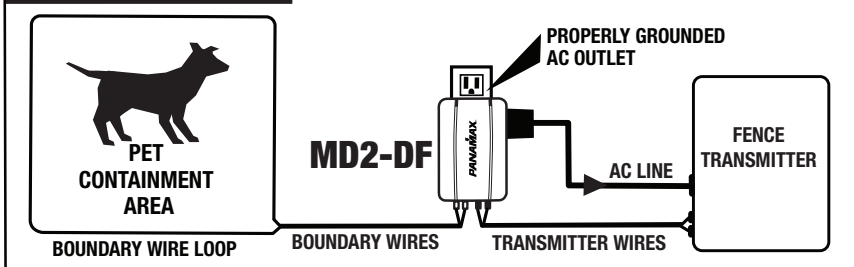
STRIP A WAY 1/4 INCH

STEP 3 Push the connector tab firmly down. The connector jaws will open. Push the stripped end of the wire into the connector. Repeat with the other three wires.

STEP 4 It is very important that the two **loop** wires be connected to the two **LOOP** terminals of the protector as shown. The two **transmitter** wires must be connected to the **TRANSMITTER** terminals.

STEP 5 Plug the protector into the wall outlet, and plug the transmitter power transformer into an AC outlet on the MD2-DF. The transmitter should turn on.

STEP 6 If the protector is being added to an existing installed system, check the loop signal field. It may be necessary to adjust the signal field. If the lightning protector is being installed as part of a new system, proceed with the standard signal field adjustment process.

TYPICAL INSTALLATION

PROPERLY GROUNDED AC OUTLET

PET CONTAINMENT AREA

MD2-DF

FENCE TRANSMITTER

AC LINE

BOUNDARY WIRE LOOP **BOUNDARY WIRES** **TRANSMITTER WIRES**

WARNING Before digging to bury the loop wire of your electronic dog fence, make sure that there are no buried power, telephone, or other electrical cables in the vicinity. Many underground cables carry high voltage and digging into them, or laying your loopwire on them, may lead to hazard from shock or electrocution.

For indoor use only. Contact your local code authority for standards and practices for the egress of the transmitter wire to the outside.
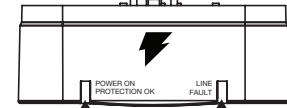
IMPORTANT SAFETY POINTS

Panamax surge protectors and the connected equipment must be indoors in a dry location and in the same building. Do not install any Panamax product near heat emitting appliances such as a radiator or heat register. Do not install this product where excessive moisture is present; for example, near a bathtub, sink, pool, basement floor, fish tank, etc.

It is not uncommon for a building to be improperly grounded. In order to protect your equipment, and validate the warranty, Panamax products must be plugged into a properly grounded 3-wire outlet. Additionally, building wiring and grounding must conform to applicable NEC (USA) or CEC (Canada) codes for the Panamax warranty to be valid.

Do not use 2-prong adapters with this product. If an extension cord is required, use only Panamax #GEC1410. If at any time your surge protector indicates a Line Fault, call your electrician to correct the building wiring.
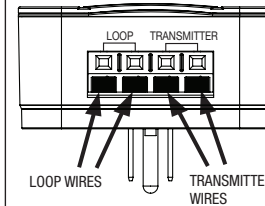
FEATURES

Top view of product

POWER ON / PROTECTION OK- (blue) normally ON - indicates that the power is on, surge protector is functioning properly, and all connected equipment is protected.
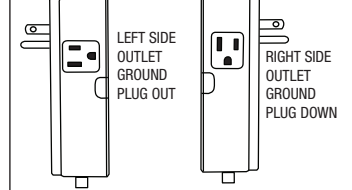
LINE FAULT INDICATOR- (red) - If lit red, indicates an improperly wired outlet

Bottom view of product

LOOP   TRANSMITTER

LOOP WIRES   TRANSMITTER WIRES

Side views of product

LEFT SIDE OUTLET GROUND PLUG OUT
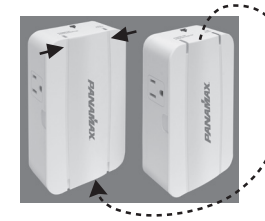
RIGHT SIDE OUTLET GROUND PLUG DOWN

AC outlets are turned 90 degrees from one another to accommodate different style plugs or transformers.

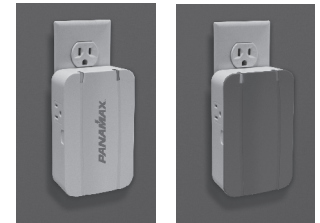## OPTIONS FOR SECURITY MOUNTING & FRONT COVER FACEPLATE

Cover of MD2-DF can easily be removed by pulling cover at the 2 side indents (**1**).

Unit can be securely screwed into wall outlet faceplate using either hole (**2**) indicated (screw is included).

Cover can be flipped around 180 degrees to hide LEDs from front straight-on view if desired.

Cover can be removed and painted to match color of wall. Do not paint the sides, top or bottom. Warranty will be voided.

Properly Connecting Your Surge Protector

To completely protect your equipment from power surges, every wire leading into or out of the equipment you want to protect must be connected to the appropriate Panamax surge protector. Damaging lightning and power surges can get into your system through any AC power or signal line (phone lines, grounding wires, coax cables, modem cables, etc.) connected to your electrical equipment.

Overview

Make sure you have the right surge protector to protect your electronic equipment. Panamax makes protectors for almost every type of electronic equipment. Surge protectors that may look identical from the outside can be very different on the inside. It is very important to use the surge protector designed for your application. Two-outlet surge protectors are not designed for use with systems having more than two AC powered components. Panamax offers a wide range of surge protectors designed for use with larger systems. If you have any questions about which product is best for your applications, please see our web site www.panamax.com or contact Panamax Customer Relations at 800-472-5555 (7:30 a.m. – 4:30 p.m. PST).

Limited Lifetime Product Warranty*

*See documentation on back side for details.

CUSTOMER SUPPORT: 800-472-5555

PANAMAX®

MD2-DF Limited Lifetime Product Warranty Information

CAUTION!

All Panamax Warranties are valid only in the United States and Canada.

CAUTION!

Audio/Video, computer and/or telephone system installations can be very complex systems, consisting of many interconnected components. In those cases, a systematic approach using multiple protectors must be employed. Systematic protection requires professional design.

Due to the nature of electricity and surges, a single protector may not be able to completely protect complex installations. In those cases, a systematic approach using multiple protectors must be employed. Systematic protection requires professional design.

For additional information on how to protect your system, please contact Panamax before connecting your equipment to the surge protector.

CAUTION!

WARRANTY LIMITATION FOR INTERNET PURCHASERS

Panamax products purchased through the Internet do not carry a valid Product Warranty unless purchased from an Authorized Panamax Internet Dealer and the original factory serial numbers are intact (they must not have been removed, defaced or replaced in any way). Purchasing from an Authorized Panamax Internet Dealer insures that the product was intended for consumer use, has passed all quality inspections and is safe. Buying through auction sites or unauthorized dealers may result in the purchase of salvaged, failed and/or products not intended for use in the US. In addition, Authorized Panamax Internet dealers have demonstrated sufficient expertise to insure warranty compliant installations. For a list of Authorized Panamax Internet Dealers go to www.panamax.com. If you have any questions regarding these requirements, please contact Panamax Customer Relations.

Product Upgrade Program

If your Panamax power conditioner sacrifices itself while protecting your connected equipment, you have an option to upgrade to the latest technology. Please go to our web site www.panamax.com or contact Panamax Customer Relations at 800-472-5555 for details.

Panamax Surge Protector Limited Lifetime Product Warranty

Panamax warrants to the purchaser of any standard Panamax surge protector that the surge protector shall be free of defects in design, material, or workmanship, and Panamax will repair or replace any defective unit.

THE LIMITED PRODUCT WARRANTY IS THE ONLY WARRANTY PROVIDED WITH THIS PANAMAX PRODUCT AND ANY OTHER IMPLIED OR EX-PRESSED WARRANTIES ARE NON-EXISTENT.

This warranty may not be modified except in writing, signed by an officer of the Panamax Corporation.

PANAMAX®

www.panamax.com
800-472-5555

10032735 Rev-A