

MODULAR SURGE PROTECTIVE DEVICE (SPD)
With Connection Terminal, Connection Leads and Indicator Light
Cat. Nos. 3800-xxx



DI-000-03800-20B

INSTALLATION

ENGLISH

WARNING AND CAUTIONS:

- TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS
- IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.
- THIS DEVICE IS NOT A LIGHTNING ARRESTOR. IT WILL NOT SURVIVE LIGHTNING STRIKES IN CLOSE PROXIMITY TO THE PREMISES.
- AN SPD MODULE IN A FEED-THROUGH BRANCH CIRCUIT WILL PROVIDE PROTECTION ONLY FOR LOADS WIRED DIRECTLY TO IT. IT WILL NOT PROVIDE PROTECTION TO ANY OTHER MODULES ON THE SAME BRANCH CIRCUIT.
- USE THIS DEVICE WITH **COPPER OR COPPER CLAD WIRE ONLY**.

FEATURES

- Listed to UL Standard 1449
- Compact "black box" styling coordinates with other mounted equipment
- Mounts on standard equipment cabinets
- EMI/RFI filter for radio/TV interference

INTRODUCTION

Transient voltage surges are short-term deviations from a desired voltage level or signal that can occur at any time. Such changes can result in an electronic device malfunction, or cause extensive damage. Also termed "spikes", these occurrences take place as a result of magnetic field/inductive coupling or whenever the line current is interrupted. They can originate from either inside a facility, or derive from outside utility lines. Sources within a facility involve loads that are switched, such as electric motors that are turned ON and OFF. Outside transient influences involve utility grid switching.

DESCRIPTION

Leviton SPDs (Surge Protective Devices) are intended for use with sensitive electronic equipment and appliances with solid state circuitry that would benefit from protection against damage caused by transient surges.

GENERAL INFORMATION

- This device is intended for single branch circuits **ONLY**.
- This device does not provide ground fault or overload protection.
- This device protects against surges at this module only.
- The indicator light denotes surge protection is effective when it is continuously ON.
- When the indicator light turns OFF, the device is no longer providing protection due to damage caused by excessive transient voltage surges. The entire unit must be replaced if surge protection is required.
- Modules should be replaced as soon as possible after a failure is noted.

TO INSTALL

For SPD (OEM) Installation:

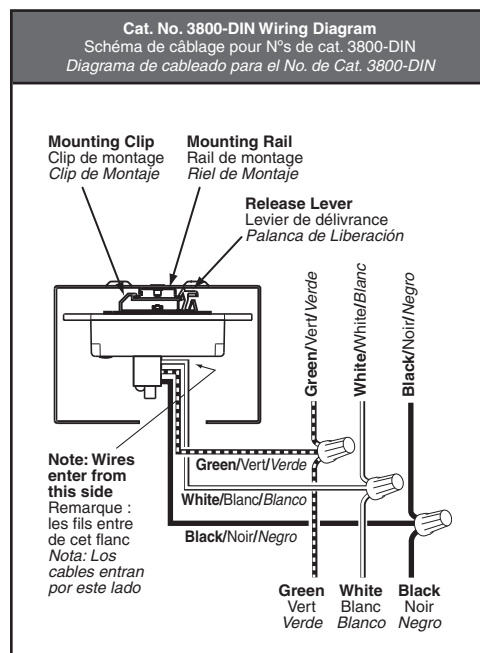
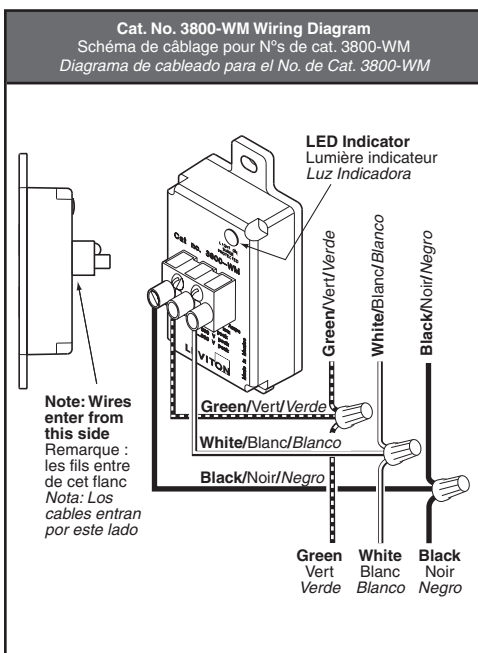
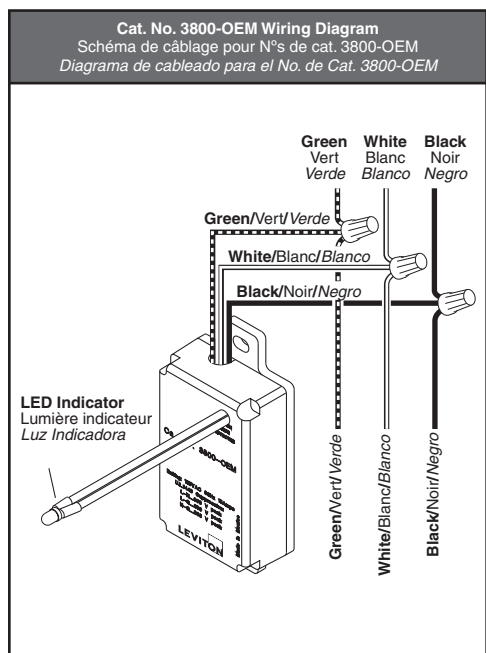
- WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; **TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!**
- Select mounting location for module.
- Use a test lamp to confirm that the circuit is NOT powered.
- Prepare mounting location by drilling 2 holes 3.28" (8.3 cm) apart.
- Remove 3/4" (1.9 cm) of insulation from each circuit conductor. Make sure the ends of wires are straight.
- Connect wires per appropriate **WIRING DIAGRAM** as follows: Twist strands of each lead tightly together and, with circuit conductors, push firmly into appropriate wire connector. Screw connectors on clockwise making sure no bare conductors show below the wire connectors. Secure each connector with electrical tape.
- Restore power at circuit breaker or fuse. **INSTALLATION IS COMPLETE.**

NOTE: The indicator light should be ON. If it is NOT, consult an electrician.

For SPD (DIN and WM) installation:

- WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; **TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!**
- Select mounting location for module.
- Use a test lamp to confirm that the circuit is NOT powered.
- FOR 3800-WM:** Prepare mounting location by drilling 2 holes 3.28" (8.3 cm) apart.
- Connect leads per appropriate **WIRING DIAGRAM** as follows: Cut White (Neutral) wire and strip insulation approx. 3/4" (1.9 cm) to expose bare copper. Pigtail together with a short length of White insulated copper wire of the appropriate gauge. Secure the other end of the White pigtail lead tightly in terminal block located on top of the module labeled "N" with terminal block screws. Cut Black (Hot) wire and strip insulation approx. 3/4" (1.9 cm) to expose bare copper. Pigtail together with a short length of Black insulated copper wire of the appropriate gauge. Secure the other end of the Black pigtail lead tightly in terminal block located on top of the module labeled "L" with terminal block screws. Cut Green (Ground) wire and strip insulation. Pigtail together with a short length of Green insulated #12-14 AWG copper wire. Secure the other end of the Green pigtail lead tightly in terminal block located on top of the module labeled "G" with terminal block screws.
- Twist strands of each separate wire connection tightly together with circuit conductor and push firmly into appropriate wire connector. Screw connectors on clockwise making sure that no bare wire shows below the wire connectors (recommended torque: 4.5 in.-lbs.). Secure each wire connector with electrical tape.
- 7A. For 3800-DIN:** Engage the module mounting clip on the DIN rail. Push down until locked.
- 7B. For 3800-WM:** Mount the device with mounting tabs in the location where the holes were drilled.
- Restore power at circuit breaker or fuse. **INSTALLATION IS COMPLETE.**

NOTE: The indicator light should be ON. If it is NOT, consult an electrician.



LIMITED 10 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for ten years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such ten year period the product is returned prepaid, with proof of purchase date, and a description of the problem to **Leviton Manufacturing Co., Inc., Attn: Quality Assurance Department, 201 North Service Road, Melville, New York 11747**. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to ten years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

