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In addition, Superior Electric Manufacturer's Representatives are available to provide prompt attention to customer needs. Call or Fax for ordering and application information or for the address of the closest Manufacturer's Representative, Authorized Distributor or Reseller.



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Product Application	860-585-4500, Ext. 4755

Toll-Free (in USA and Canada only)

Telephone:	1-800-787-3532
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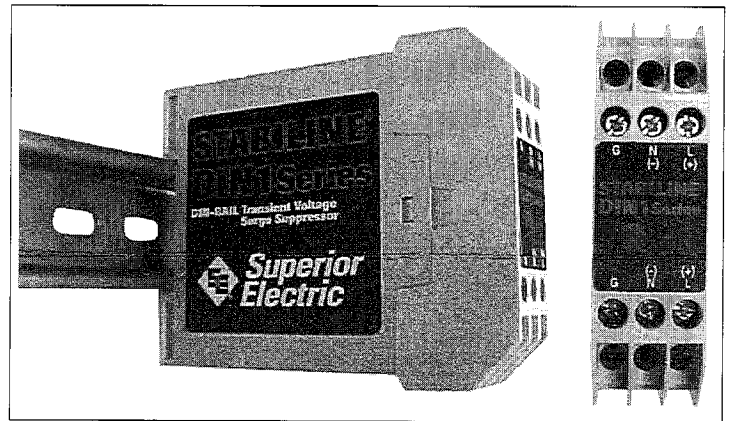


STABILINE®

Transient Voltage Surge Suppressors

DIN1 Series

OWNERS MANUAL



Congratulations

Thank you for purchasing the DIN1 Series STABILINE® Transient Voltage Surge Suppressor . . . another Superior product!

Expect exceptional performance. The unit is built to the highest standards for your complete satisfaction.

To assure many years of uninterrupted service, please read this Owners Manual to familiarize yourself with the operation and proper installation of the DIN1 Series unit.

Superior Electric

SAVE THESE INSTRUCTIONS!!

This Manual contains important instructions for the DIN1 Series Transient Voltage Surge Suppressor that should be followed during installation and maintenance of the Transient Voltage Surge Suppressor.

Before Installation

THE FOLLOWING IS INTENDED FOR QUALIFIED ELECTRICAL PERSONNEL ONLY. COMPLETELY READ THESE INSTRUCTIONS BEFORE INSTALLATION. CALL Superior Electric at 1-800-787-3532 WITH ANY QUESTIONS. IT IS THE FINAL RESPONSIBILITY OF THE INSTALLING ELECTRICIAN TO ENSURE THAT ALL LOCAL CODES AND OTHER APPLICABLE SAFETY/ENVIRONMENTAL CONDITIONS ARE MET AND THE UNIT IS CORRECTLY INSTALLED.

Voltage and Current Verification

Before starting any installation procedure(s), verify service voltages (AC or DC) and current ratings of the intended electrical system or circuit in which the DIN1 is being installed. Make sure these voltages and current ratings do not exceed those of the DIN1 product.

WARNING - Improper installation or misapplication of these devices may result in serious injury to the installer and/or damage to electrical system(s) or related equipment. Protective eyewear should be worn during the installation process.

These instructions cover the following DIN1 Series STABILINE Transient Voltage Surge Suppressors:

- DIN1-15-24-1G-15 (24 Volt, 15 Ampere)
- DIN1-15-48-1G-15 (48 Volt, 15 Ampere)
- DIN1-15-120-1G-15 (120 Volt, 15 Ampere)
- DIN1-15-250-1G-15 (250 Volt, 15 Ampere)

Units must be connected to the electrical service with an appropriate interrupt device. Use a 15 Amp Class T fuse rated at 300 VAC.

INSTALLATION

1. The DIN1 Series are installed/connected in either Series or Parallel with the line and the equipment to be protected.
2. Identified or indicated Leads/Wires must be connected exactly with respect to the power feeding/supplying the DIN1 unit and protected equipment. Failure to do so may result in damage to the DIN1, the equipment/system or pose a danger to personnel.
3. **DO NOT INSTALL THE DIN1 UNIT IF MEASURED VOLTAGE EXCEEDS UNIT RATINGS.**
4. The DIN1 **MUST BE** mounted in an enclosure to assure personnel safety from exposed terminals.
5. **REMOVE POWER FROM ELECTRICAL SYSTEM PRIOR TO INSTALLATION.**
6. The DIN1 contains no Line/Load sensitive components and it can be installed in any orientation.
7. Mechanically mount the DIN1 utilizing customer supplied Din-Rail.

8. For Series Connection (AC or DC) Applications:

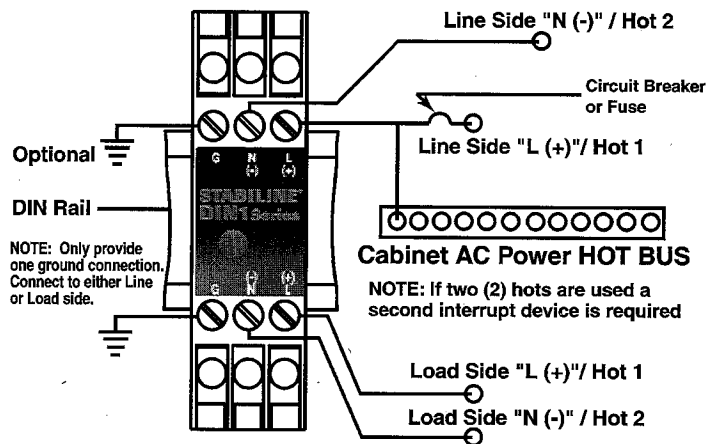
- a) Connect "LINE" Side:
 - System Ground, to the terminal labeled "G".
 - Neutral (for AC) or Negative (for DC), wire to the terminal labeled "N (-)".
 - HOT (for AC) or Positive (for DC), wire to the terminal labeled "L (+)".
- b) Connect "LOAD" Side:
 - System Ground, to the terminal labeled "G".
 - Neutral (for AC) or Negative (for DC), wire to the terminal labeled "N (-)".
 - HOT (for AC) or Positive (for DC), wire to the terminal labeled "L (+)".

9. For Parallel Connection (AC or DC) Applications, keeping leads as short as possible:

Connect "LINE" Side Only:

- System Ground, to the terminal labeled "G" (use line side ground terminal).
- Neutral (for AC) or Negative (for DC), wire to the terminal labeled "N (-)".
- HOT (for AC) or Positive (for DC), wire to the terminal labeled "L (+)".

Note: In Parallel Connection application, units are not current limited as they are in Series Connection application.



WIRING DIAGRAM (All Models - Series Connection Shown)

OPERATION

1. **ENSURE THAT ALL CONNECTIONS ARE CORRECT BEFORE ENERGIZING.**
2. Apply power (energize). LED indicator should illuminate. If LED fails to illuminate, contact Superior Electric at 1-800-787-3532.
3. Keep these instructions in a safe dry place for future reference.

WARNING - Any alterations, tampering, misuse or unauthorized repairs of this product will void its original factory warranty.