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Owner's Manual Super Series Surge Suppressors

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SUPER SURGE ALERT	(TR 6)
SUPER SURGE ALERT PLUS TEL	(TR 6FM)
SUPER 8	(SK6-6)
SUPER 8 PLUS TEL	(S8+TEL)
SUPER 7	(S7)
SUPER 7 PLUS TEL	(S7+TEL)
SUPER 7 PLUS COAX	(S7+COAX)
SUPER 7 PLUS TEL/15	(S7+TEL/15)
SUPER 6	(STRIKER)
SUPER 6 PLUS TEL	(S6+TEL)
SUPER 6 DELUXE	(S6-DLX)
SPIKE STIK	(STIK)



Certified by UL
to Canadian National
Standards

The Super Series line of quality surge suppressors protects your sensitive equipment from spikes, surges and line noise on the AC power line. Super Series "PLUS TEL" and "DELUXE" models include RJ-style phone jacks for protection against spikes, surges and line noise on a single telephone line. Super Series "PLUS COAX" models include F coaxial jacks for protection against spikes, surges and line noise on a standard cable TV coaxial line.

CONNECTING THE SUPER SERIES SURGE SUPPRESSOR

Connection to AC Power Line (All Models)

The Super Series Surge Suppressor power cord should only be connected to a standard 3-wire grounded 120 Volt AC 60 Hz outlet. The Super Series Surge Suppressor is equipped with a 4-way mounting bracket and can be mounted on a flat surface or wall. Use #8 round-head screws.

CAUTION!

DO NOT connect to an ungrounded AC outlet. DO NOT use with 2-wire extension cords or adapters. Lack of a proper ground connection will eliminate common-mode protection and cause small leakage potential on the case. However, you can plug 2-wire devices into any of the surge suppressor's outlets. COAX models are NOT lightning arrestors. DO NOT install COAX models in line with TV, AM, FM, amateur radio or any other kind of outside antenna used either for reception or transmission of radio or television signals.

Connection To Telephone Line (Select Models Only)

Super Series PLUS TEL and DELUXE models have two female RJ-style phone jacks that accept connection of a wide range of equipment with male RJ-style plugs. These models provide 2-wire/single telephone line protection. PLUS TEL and DELUXE models MUST always be the FIRST item connected in line from the telephone jack. They MUST always be plugged into a 3-wire grounded outlet for the telephone protection to work. Connect the phone cord from the wall jack directly to the jack labelled "IN" (or "LINE"). Connect the phone cord from the device to be protected directly to the jack labelled "OUT" (or "EQUIP"). The connected equipment is now protected against spikes, surges and line noise on the telephone line.

Connection To Coaxial Line (Select Models Only)

Super Series PLUS COAX models have two "F" connector jacks that accept connection of equipment with coaxial cables. PLUS COAX models MUST always be the FIRST item connected in line from the coaxial jack. PLUS COAX models MUST always be plugged into a 3-wire grounded outlet for the coaxial protection to work. Connect the coaxial cable from the wall jack directly to the PLUS COAX jack labelled "LINE" (or "IN"). Connect the coaxial cable from the device to be protected directly to the PLUS COAX jack labelled "EQUIP" (or "OUT"). The connected equipment is now protected against spikes, surges and line noise on the coaxial cable.

CONNECTING EQUIPMENT

After you have properly connected your Super Series Surge Suppressor to the AC line (and telephone and coaxial line, if applicable), you can connect the AC power cords of equipment to the surge suppressor. **DO NOT OVERLOAD** the surge suppressor. Connect loads having a total current draw of up to 15 amps. Each outlet can handle up to 15 amps, but do not exceed a **total** load of 15 amps for all outlets. If the circuit breaker trips, remove overload and depress circuit breaker button to reset.

FEATURES

Circuit Breaker (All Models)

If the current draw of the equipment connected to the Super Series Surge Suppressor exceeds 15 amps for longer than a few seconds, the circuit breaker will open (trip) to prevent any possible damage. When the circuit breaker trips, the plunger will be extended. Allow the breaker to cool for one minute before depressing the plunger to reset.

Illuminated "ON/OFF" Switch (Select Models)

With the Super Series Surge Suppressor plugged into a 120V AC outlet, this switch will illuminate RED whenever moved to the "ON" position. This indicates 120V AC power is present at the unit's AC receptacles.

Diagnostic Indicator Lights

There are up to three LEDs on the front panel that indicate various operating parameters when the unit is plugged into a live 120V AC outlet.

- **Protection Present (Green LED) (All Models)**

Indicates the surge suppression components are intact and providing full protection against spikes and surges. This LED should be illuminated anytime the "ON/OFF" switch is turned ON and power is present as indicated by the lighted power switch. If the Protection Present LED does not illuminate, then some of the surge suppression components are not functioning and the unit should be returned for repair as soon as possible. You may still use the unit; however, connected equipment will be protected from spikes and surges at a lesser level than normal.

- **Line "OK" (Green LED) (Select Models)**

Indicates 120V AC power is present with no wiring faults detected. When this LED is illuminated, AC power is safe for connected equipment.

- **Fault (Red LED) (Select Models)**

Indicates a wiring fault has been detected. If this LED illuminates at anytime the unit is plugged in, the fault should be repaired by a qualified electrician as soon as possible. This LED indicates that phases are reversed, ground is missing or some other sort of wiring error exists in the circuit the Super Series Surge Suppressor is plugged into. The Fault detector circuitry will identify most common wiring faults, but will not necessarily detect every possible type of fault.

NOTE!

If the Fault indicator light illuminates, carefully check the AC receptacle the Super Series Surge Suppressor is plugged into. The receptacle must be tight and securely grounded. A loose AC receptacle may cause the Fault indicator light to illuminate. It must be understood that this Red LED indicates the presence of a wiring fault, but does not indicate the exact nature of the fault. Therefore, a qualified electrician should be contacted to make necessary repairs.

NOTE!

The Fault indicator light will illuminate to indicate that the Super Series Surge Suppressor's surge suppression components have been compromised as a result of surge damage. If, after inspection by a qualified electrician, a wiring fault is not detected, the Fault indicator light may be indicating that the surge suppression components have been compromised as a result of surge damage. Even if the surge suppressor is providing AC power at all of the receptacles, it may not provide its total rated surge suppression as outlined in the "Specifications" section. Should you require service, call Tripp Lite Customer Support at (773) 869-1234. Explain fully the perceived problem to the customer support person. They will either remedy the problem over the phone or give you instructions about return, repair or exchange.

CAUTION!

DO NOT drill into any part of the housing. DO NOT open the housing. There are no user-serviceable parts inside.

LIFETIME LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for its lifetime. If the product should prove defective in material or workmanship within that period, Seller will repair or replace the product, in its sole discretion. Service under this Warranty can only be obtained by your delivering or shipping the product (with all shipping or delivery charges prepaid) to: Tripp Lite, 1111 W. 35th St., Chicago, IL 60609. Seller will pay return shipping charges.

The warranties of all TRIPP LITE surge suppressors are null and void if they have been connected to the output of any UPS system. The warranties of all TRIPP LITE UPS Systems are null and void if a surge suppressor has been connected to its output receptacles.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES. (Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from jurisdiction to jurisdiction.)

TRIPP LITE; 1111 35th St.; Chicago, IL 60609

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability or fitness of these devices for any specific application.

Policy of Tripp Lite is one of continuous improvement. Specifications are subject to change without notice.

ULTIMATE LIFETIME INSURANCE POLICY

(Valid in U.S. and Canada ONLY)

VALID FOR ALL MODELS IN THIS MANUAL EXCEPT FOR SUPER 6 AND SPIKE STIK

TRIPP LITE warrants, for the lifetime of the product, (at TRIPP LITE's option) to repair or replace (on a pro rata basis) directly connected equipment that is damaged due to power transients while properly connected to TRIPP LITE products offering the ULTIMATE® Lifetime Insurance Policy. Reimbursement or restoration for data loss is not included. Power transients include spikes and surges on the AC power, data or telephone lines that the TRIPP LITE products have been designed to protect against (as recognized by industry standards).

AC POWER LINE TRANSIENTS: To claim damages, the TRIPP LITE product must be plugged into a properly wired and grounded outlet. No extension cords, or other electrical connections may be used. The installation must comply with all applicable electrical and safety codes set forth by the National Electrical Code (NEC). Except as provided above, this warranty does not cover any damage to properly connected electronic equipment resulting from a cause other than an "AC power transient". If user meets all of the above requirements, TRIPP LITE will repair or replace (at TRIPP LITE'S option) equipment up to the specified value. (See ULTIMATE® Insurance Policy Limits). No coverage is allowed for damage entering from telephone or data lines, unless they are separately protected as described below.

TELEPHONE AND DATA LINE TRANSIENTS: Tripp Lite will repair or replace directly connected equipment that is damaged by transients on telephone and/or data lines only when all such paths are protected by a Tripp Lite protection product(s) and the AC power (utility) line is simultaneously protected by a Tripp Lite power protection device (UPS, surge suppressor or line conditioner) with ULTIMATE® Insurance coverage. This product protects one line; therefore one directly connected piece of equipment.

Reimbursement dollar limits will be equal to that of the Tripp Lite power protection protector. Coverage is excluded where a suitable environment for the protection device is not provided, including, but not limited to, lack of a proper safety ground. Telephone service equipment must also include a properly installed and operating "primary protection" device at the telephone service entrance (such devices are normally added during telephone line installation).

All above warranties are null and void if the TRIPP LITE product has been improperly installed, tampered with or altered in any way, or if the connected equipment was not used under normal operating conditions or in accordance with any labels or instructions. All claims under this warranty must be submitted in writing to Tripp Lite within 30 days of the occurrence or the claim will not be considered. This warranty does not include damage resulting from accident or misuse, and applies to the domestic (USA & Canada) use of these products only.

Tripp Lite reserves the right to determine whether the damage to the connected equipment is due to malfunction of the Tripp Lite product by requesting the equipment in question be sent to Tripp Lite for examination. This policy is above and beyond, only to the extent needed, of that provided by any coverage of connected equipment provided by other sources, including, but not limited to, any manufacturer's warranty and/or any extended warranties.

EXCEPT AS PROVIDED ABOVE, TRIPP LITE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to purchaser.

EXCEPT AS PROVIDED ABOVE, IN NO EVENT WILL TRIPP LITE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, TRIPP LITE is not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise.

To receive service under this warranty, you must be the original purchaser/user of the product in question. You must obtain a Returned Material Authorization (RMA) number from TRIPP LITE. Products must be returned to TRIPP LITE with transportation charges prepaid and must be accompanied by a brief description of the problem and proof of date and place of purchase.

SPECIFICATIONS

Model	No. of AC Receptacles (NEMA 5-15R)	AC Line Cord* Length (ft.)	Surge Energy Absorption (joules)	Surge Current (amps)	EMI/RFI Noise Filtering	Transient Response Time (NM)	Dimensions (H x W x D, in.)
SUPERSURGEALERT SUPERSURGEALERTPLUSTEL	6 6	6 6	1500 2100	78,500 85,000	>80dB >80dB	0ns. 0ns.	1½ x 3½ x 9½ 1½ x 3½ x 9½
SUPER8 SUPER8PLUSTEL	8 7	8 8	1200 1500	54,500 78,500	>60dB >60dB	<1ns. <1ns.	1½ x 2½ x 13 1½ x 2½ x 13
SUPER7 SUPER7PLUSTEL SUPER7PLUSCOAX SUPER7PLUSTEL/15	7 6 6 6	7 7 7 15	1050 1200 1200 1200	42,500 54,500 54,500 54,500	>40dB >40dB >40dB >40dB	<1ns. <1ns. <1ns. <1ns.	1½ x 2¾ x 11¼ 1½ x 2¾ x 11¼ 1½ x 2¾ x 11¼ 1½ x 2¾ x 11¼
SUPER6 SUPER6PLUSTEL SUPER6DELUXE SPIKESTIK	6 6 6 6	3.5 3.5 6 6	450 450 1050 360	36,000 36,000 42,500 27,000	>20dB >20dB >20dB >20dB	<1ns. <1ns. <1ns. <1ns.	1½ x 3¼ x 8¼ 1½ x 3¼ x 8¼ 1½ x 3¼ x 8¼ 1½ x 2½ x 10

ALL MODELS

Rated Input Voltage: 120V AC, 50 or 60 Hz

Rated Current and Load Handling: 15 amps maximum (1800) watts, 15 amps maximum per receptacle

Circuit Breaker: 15 amp resettable

Exceeds IEEE category A & B specifications.

* All line cords are 14-gauge, 3-conductor grounded

TELEPHONE LINE SPECIFICATIONS (PLUS TEL and DELUXE MODELS)

Clamping Voltage: 260V peak (200V for SUPER 6 PLUSTEL) +/- 10%

Response Time: <1 picosecond (<5 nanoseconds for SUPER 6 PLUSTEL)

Peak Transient Input Voltage: 6 Kv, 10 microseconds

Input/Output Connectors: two female "RJ" style modular jacks (phone cable included);

2 wire, single line protection

COAXIAL LINE SPECIFICATIONS (PLUS COAX MODELS)

Peak Pulse Power Dissipation: 12,000 amps

AC Energy Absorption: 120 joules

Insertion Loss: <1 dB

Input/Output Connectors: two female "F" connectors



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to Canadian National
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UL 1449 330V let-through (UL's best rating for surge suppression)

UL 1363 for temporary power tap

UL 1283 for line-noise filtering

UL 497A for modern/lex protection (PLUS TEL & DELUXE models only)
CUL: meets Canadian National Standards as certified by UL



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