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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 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 connect to 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 (PLUS TEL and DELUXE 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 (PLUS COAX 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 OVER LOAD 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 (All Models Except SUPER 6, SUPER 6 PLUS TEL & SUPER 6 DELUXE)

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.

- *Fault (Red LED) (ALL MODELS EXCEPT SUPER 6, SUPER 6 PLUS TEL and SPIKE STIK)*

  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.

- *Line "OK" (Green LED)(ALL MODELS EXCEPT SUPER 6, SUPER 6 PLUS TEL, SUPER 6 DELUXE & SPIKE STIK)*

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

⚠ CAUTION!

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

SPECIFICATIONS

Model	No. of AC Receptacles (NEMA 5-15R)	AC Line Cord* Length (ft.)	Surge Energy Absorption (joules)	Surge Current (NM/CM)**	EMI/RFI Noise Filtering	Transient Response Time (NM)	Dimensions (H x W x D, in.)
SUPER SURGE ALERT	6	6	1500	30.5/48 ka	>80 dB @ 1MHz	0 ns.	$1^{5/8} \times 3^{1/2} \times 9^{3/8}$
SUPER SURGE ALERT PLUS TEL	6	6	2100	37/48 ka	>80 dB @ 1MHz	0 ns.	$1^{5/8} \times 3^{1/2} \times 9^{3/8}$
SUPER 8	8	8	1200	18.5/36 ka	>60 dB @ 1 MHz	<1 ns.	$1^{1/2} \times 2^{3/4} \times 13$
SUPER 8 PLUS TEL	7	8	1500	30.5/48 ka	>60 dB @ 1 MHz	<1 ns.	$1^{1/2} \times 2^{3/4} \times 13$
SUPER 7	7	7	1050	18.5/24 ka	>40 dB @ 1 MHz	<1 ns.	$1^{1/2} \times 2^{3/4} \times 11^{1/4}$
SUPER 7 PLUS TEL	6	7	1200	18.5/36 ka	>40 dB @ 1 MHz	<1 ns.	$1^{1/2} \times 2^{3/4} \times 11^{1/4}$
SUPER 7 PLUS COAX	6	7	450	12/24 ka	>40 dB @ 1 MHz	<1 ns.	$1^{1/2} \times 2^{3/4} \times 11^{1/4}$
SUPER 7 PLUS TEL/15	6	15	1200	18.5/36 ka	>40 dB @ 1 MHz	<1 ns.	$1^{1/2} \times 2^{3/4} \times 11^{1/4}$
SUPER 6	6	3.5	450	12/24 ka	>20 dB @ 1 MHz	<1 ns.	$1^{1/4} \times 3^{1/4} \times 8^{1/4}$
SUPER 6 PLUS TEL	6	3.5	450	12/24 ka	>20 dB @ 1 MHz	<1 ns.	$1^{1/4} \times 3^{1/4} \times 8^{1/4}$
SUPER 6 DELUXE	6	6	1050	18.5/24 ka	>20 dB @ 1 MHz	<1 ns.	$1^{1/4} \times 3^{1/4} \times 8^{1/4}$
SPIKE STIK	6	4	450	12/24 ka	>20 dB @ 1 MHz	<1 ns.	$1^{1/2} \times 2^{3/4} \times 10^{1/8}$

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
** High-voltage spike protection works between hot to neutral, hot to ground and neutral o ground.

TELEPHONE LINE SPECIFICATIONS (PLUS TEL and DELUXE MODELS)

Clamping Voltage: 260V peak (200V for SUPER 6 PLUS TEL) +/- 10%
Response Time: <1 picosecond (<5 nanoseconds for SUPER 6 PLUS TEL)
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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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 modem/fax protection (PLUS TEL & DELUXE models only)
CUL: meets Canadian National Standards as certified by UL