

**Transient Voltage
Surge Suppressors By:**



"Power Quality is our Only Business"

ST-PIU6C

ST-SPIU6C

Six Outlet Corded Plug-In Device

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The Series ST-PIU6C/ST-SPIU6C are high performance, industrial grade devices designed to protect critical point of use electronics such as computers/servers, copiers, phone systems, security systems, and other mission critical equipment from damage due to any level of surge activity ranging from internally generated (category A Oscillatory Ringwaves) to the most severe such as lightning (Category C3 Impulse) and higher. This device is intended to be applied to standard wall outlets making installation a breeze.

Our products incorporate three stages of fusing - individual component - level fusing, phase level fusing via a non-resetable fuse-link, and a resetable circuit breaker for ultimate safety.

The unique design of these devices makes them among the most versatile TVSS devices on the market with superior performance specs and a warranty that is second to none.

GENERAL

Description:	Six outlet, point-of-use, AC power Transient Voltage Surge Suppression with Optimal Response Network™ circuitry and optional Frequency Attenuation Network. (ST-SPIU6 only) for virtual elimination of ringwave type transients. For use on a wide variety of circuits using plug-in connections.
Application:	NEMA 5-15, 120 Vrms circuits feeding sensitive & general purpose loads
Warranty:	Twenty-five years Unlimited Free Replacement

MECHANICAL

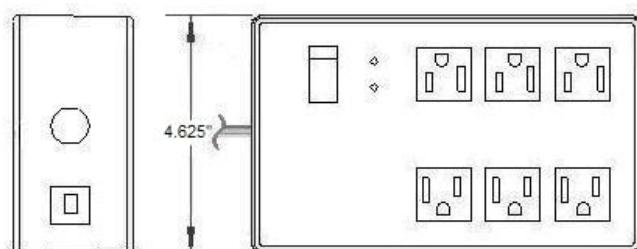
Enclosure:	Plastic, UL 94V-0
Plug-Receptacle Type:	125 Volt, 15 Amp NEMA 5-15 socket
Connection Method:	Direct, 6 receptacle plug-in w/ 6' cord
Shipping Weight:	< 4 lb.
Dimensions:	8" L, 4.625" W, 2.75" H

ELECTRICAL

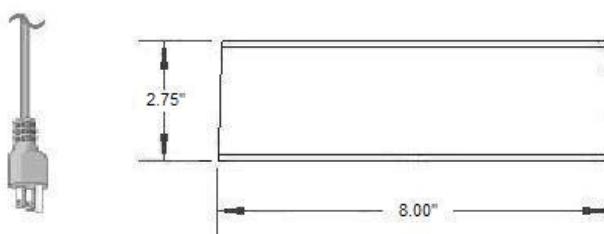
Circuit Design:	Three stage circuitry using local common ground window for AC power (6 outlets) with series wired, parallel connected, hybrid design incorporating discrete, all-mode protection and utilizing our Optimal Response Network™ design. For maximum performance select models with Frequency Attenuation Network™ (ST-SPIU6 only) circuitry, providing lowest possible let-through-voltages, available.
Protection Modes:	All Modes: L-N (normal mode); N-G, L-G (common mode)
Input Power Frequency:	50-60 Hz
Response Time:	< 1 ns
Peak Surge Current	30 kA per mode / 90 kA total
Maximum Continuous Operating Voltage:	150 Vrms
Maximum Continuous Operating Current :	15 amps rms, circuit breaker protected
Circuit Diagnostics:	LED indicator for power and LED indicator for suppression circuit.
Available Options:	R= RJ14 voice type protection (input/output); C= F-Type Coaxial protection (input/output); to be placed at end of model number. Example: ST-SPIU6C-C. For specific information regarding these options please see their corresponding spec sheets.

LET-THROUGH VOLTAGE PERFORMANCE AND ELECTRICAL SPECIFICATIONS							
Model	Circuit Type	MCOV	Peak Surge Current (Amps) per mode	Modes	ANSI/IEEE C62.41 Test Category & C62.45 Test Environment		
					A1 Ring Wave 2 kV, 67 A 180° Phase Angle	A3 Ring Wave 2 kV, 67 A 90° Phase Angle	B3/C1 Impulse Wave 6 kV, 3 kA, 90°
ST-SPIU6C	120 V, Single Ø (2 wire + ground)	150	30,000 Amps	L-N	37 V (S)	N/A	290 V
		150		L-G	328 V (S)		267 V
		150		N-G	331 V (S)		452 V
ST-PIU6	120 V, Single Ø (2 wire + ground)	150	30,000 Amps	L-N	N/A	208 V	290 V
		150		L-G		211 V	267 V
		150		N-G		365 V	452 V

Let-Through Voltage Test Environment using test parameters as defined by Underwriters Laboratory: Dynamic (D) or Static (S), Positive Polarity. Time base=10μs. All voltages are peak ($\pm 10\%$), 90° phase angle voltages are measured from the injection point to the peak of the surge. Single-pulse, surge current testing for all modes at rated currents, is in compliance with NEMA LS 1-1992. Single-pulse, surge current capacities of 200,000 amps or less are determined by single-unit testing of all components within each mode. Present industry test equipment limitations require testing of individual components or sub-assemblies within a mode for single-pulse, surge current capacities over 200,000 amps.



Represents ST-PIU6C as well as ST-SPIU6-C (options are not shown in this picture)



Actual unit may vary from picture.