

S-RSE/RSI – AC Distribution Panel SPD

Dedicated Protection Components and Circuitry for Each Mode

The S-RSE/RSI is a general use surge suppressor designed for commercial and residential AC Service Entrance Panels. This model utilizes standard suppression components designed to maximize performance, life span, and safety. Individual suppression component fusing maximizes safety, while allowing the product to perform with optimal results.

The small size of this product allows maximum application flexibility and ease of installation by a licensed electrician. The product also features circuit status indication through a normally on (suppression good) LED. The product provides premium protection for residential and light commercial panel loads. When combined with our other protection products such as plug-ins for sensitive loads like computers, telephone and cable protection, these products provide a complete system, best practice, approach to surge protection.

We believe that we offer the most versatile surge protective devices on the market with superior performance specs and a warranty that is second to none.

GENERAL

Description	Parallel connected, fixed clamping type, transient voltage surge suppressor utilizing encapsulated Voltage Responsive Circuitry, which provides the lowest possible Let-Through Voltages.
Application	Designed for use at ANSI/IEEE Categories C, B and A with withstand through medium exposure levels. Designed to protect all types of loads fed from distribution panels, branch panels and/or individual equipment panels.
Warranty	25 Years Unlimited Free Replacement

MECHANICAL

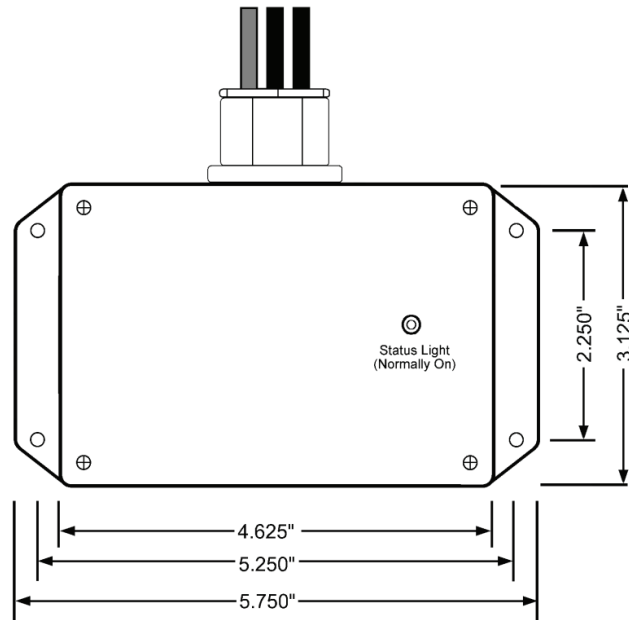
Enclosure	ABS Plastic, UL94-5VA
Mounting	Internally threaded conduit fitting (RSE) External mounting feet.
Connection Method	# 10 AWG stranded wire.
Shipping Weight	<3 lbs

ELECTRICAL

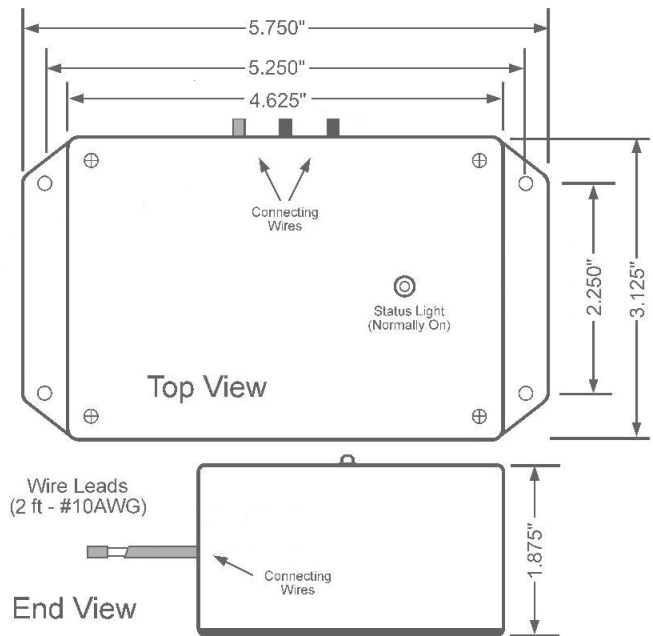
Circuit Design	Parallel configured, individual component and phase level fused, threshold clamping design, circuit encapsulation to maintain circuit integrity.
Protection Modes	Protection components and circuitry for each mode. Indirect L-L (Normal Mode), and Direct L-G (Common Mode).
Input Power Frequency	50–420 Hz (60 Hz typical)
Peak Surge Current	40 kA per mode
Circuit Diagnostics	Green LED, one per phase, normally on.
Circuit Interrupt	External (see installation instructions for details).

LET-THROUGH VOLTAGE PERFORMANCE AND ELECTRICAL SPECIFICATIONS						
Model	Circuit Type	Peak Surge Current (Amps) Per Mode	MCOV	Mode	ANSI/IEEE C62.45 & C62.41 Let-Through Voltage Test Categories	
					Cat A 30 Ω 100 kHz Ring Wave 6 kV 200 A @ 90° Phase Angle	Cat B, 2 Ω Impulse Wave 6 kV / 3 kA @ 90° Phase Angle
RSE	120/240 V, Split \emptyset (2 wire + ground)	40 kA	150	L-G	535	650
RSI		40 kA 80 kA Total	300	L-L	930	1,110

Let-Through Voltage Test Environment using test parameters as defined by Underwriters Laboratory: Dynamic (D) or Static (S), Positive Polarity. Time base=10 μ s. All voltages are peak ($\pm 10\%$), 90° phase angle voltages are measured from the zero crossing to the peak of the surge. All tests were performed with 6 inches of lead length outside the device enclosure which simulates actual "as installed" performance.



(RSE) Hub included



(RSI) No hub

Actual unit may vary from picture.

USA

PO Box 15732, Brooksville, FL 34604
Tel 888-987-8877/850-654-5559
Fax 850-654-3844



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