



"Power Quality is our Only Business"

P.O. Box 330607
Ft. Worth, TX 76163
Phone: 817.483.8497
Fax: 817.572.2242
www.sinetamer.com

The ST-(C)LL240-P are designed to protect residential service panels. These models are extremely effective in limiting transients generated at the facility. All models are rated with a robust 60 kA total peak surge current rating.

These devices are compact in size which makes installation a breeze and the warranty is the best in the industry. Our customers testify that we offer the most versatile TVSS devices on the market with superior performance specs and a warranty that is second to none.

GENERAL	
Description:	Parallel connected transient voltage surge suppressor with encapsulated Optimal Response Network™ circuitry (20 kA per mode / 60 kA total peak surge current) and limited Frequency Attenuation Network circuitry in C version.
Application:	Designed for use at ANSI/IEEE Categories A and B with susceptibility up to all exposure levels to protect sensitive/critical loads fed by a single electrical circuit.
Warranty:	5 Year Unlimited Free Replacement

MECHANICAL	
Enclosure:	Plastic, UL 94V-5VA
Mounting:	External mounting feet.
Connection Method:	18 AWG Wire connections (Black, White, Green)
Shipping Weight:	< 2 lbs

ELECTRICAL	
Circuit Design:	Parallel connected hybrid design incorporating discrete all mode protection and utilizing our encapsulated Voltage Response Network and limited Frequency Attenuation Network™ circuitry. All suppression circuits are encapsulated in our high dielectric compound to promote long component life and protection from the environment and /or vibration. All circuits include Component Level Thermal Fusing.
Protection Modes:	Dedicated protection circuitry for every possible mode. Discrete L-N (Normal Mode), and Discrete L-G, N-G (Common Mode)
Input Power Frequency:	50-60 Hz
Current & Voltage Configurations:	Please Consult with Local Distributor for Proper Usage/Installation
Peak Surge Current:	20 kA per mode / 60 kA total PSC
Circuit Diagnostics:	Green LED, normally on.

LET-THROUGH VOLTAGE PERFORMANCE AND ELECTRICAL SPECIFICATIONS

Model	MCOV	Mode	ANSI/IEEE C62.41.1 & .2-2002 and C62.45-2002 Let-through Voltage Test Results	
			Cat A, 30 Ω 100 kHz Ring Wave 2 kV / 67 A @ 270° Phase Angle	Cat B, 2 Ω Impulse Wave 6 kV / 3 kA @ 90° Phase Angle
ST-LL240-P	320	L-N	740 (S)	1095 (S)
	320	L-G	765 (S)	990 (S)
	320	N-G	770 (S)	970 (S)
ST-CLL240-P	320	L-N	54 (D)	1095 (S)
	320	L-G	695 (S)	990 (S)
	320	N-G	650 (S)	970 (S)

Let-Through Voltage Test Environment: All tests are dynamic (D) except for those marked (S) which are static. All voltages are peak ($\pm 10\%$). Tests performed at 270 degrees are measured from the insertion point to the peak of the surge. Tests performed at 90 degrees are measured from 0 point on the sine wave to the peak of the surge. All tests were performed with the device connected in series simulating actual installation. Time base=10 μ s.

