

# **SURGEX<sup>®</sup> SX1115R, RT and RL Series Mode Pro<sup>™</sup>**

## **Surge Suppressors and Power Conditioners**

### *With Impedance Tolerant<sup>™</sup> EMI/RFI Filtering*

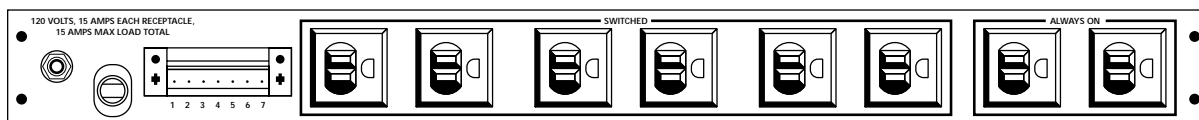
U.S. Patents 4,870,534 and 4,870,528



SX1115 RL Front



SX1115 RT Front



SX1115 RT Back

The SurgeX SX1115 Series provides guaranteed surge protection and power conditioning for audio, video and computer equipment. SX1115 Series surge suppressors are 15-amp load-capable and feature advanced *Impedance Tolerant* EMI/RFI filtering circuitry. All models have eight standard grounded AC receptacles. Six receptacles are switched; two are always on. In addition, both R and RT models provide a front panel courtesy outlet.

Designed for recording studios, custom design/build installations and sound reinforcement applications, the SX1115 RL includes front-panel connectors for Littlite gooseneck lamps.

The SX1115 RT includes remote turn-on capability, making it ideal for designed power distribution systems with a sequential controller such as the SurgeX SX2120 SEQ.

SurgeX patented *Series Mode Pro* surge suppression technology is superior to conventional MOV circuitry. It provides proven, reliable protection, stopping multiple surges of up to 6,000 volts and unlimited surge current, without producing ground contamination.

These components meet the most stringent government purchase specifications for powerline surge suppressors. Their A-1-1 rating assures you of dependable protection from destructive spikes, surges and inductive transients.

**SURGE PROBLEMS ARE HISTORY!**



**SURGEX<sup>®</sup>**  
Professional AC Power Products

6131-B Kellers Church Road  
Pipersville, PA 18947  
PH 215-766-1240  
FAX 215-766-9202  
www.surgex.com



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## **Surge Suppressors and Power Conditioners**

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#### **SPECIFICATIONS**

**Load Rating:** 15 amps @ 120 volts.

**UL 1449-2 Adjunct Classification Test Results:** 1000 surges, 6000 volts, 3000 amps, C1 pulse, measured suppressed voltage 290 volts, no failures.

**1996 Federal Guidelines, Grade A, Class 1, Mode 1:** SX1115R, RT and RL meet guidelines.

**Limiters (3 circuits):** Series surge reactor current limiter. Cascaded, auto-tracking dual polarity voltage limiter. Dual pulse inverters.

**Clamping Voltage Onset:** 172 volts nominal (2 volts above peak line voltage, auto-tracking).

**Filter (bi-directional, wave tracking):** With 50 ohm load: 3 dB @ 3 kHz; 38 dB @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 5 MHz; 50 dB @ 30 MHz

**Let-Through Slew Rate:** 5000 volt/μs disturbance reduced to 28 volt/μs within power wave envelope; less than 10 volt/μs outside power wave envelope.

**Snubber:** Instant-reacting snubber for fast-rising surges generated within the building.

**Maximum Applied Surge Pulse Joule Rating:** Unlimited, due to surge current limiting (8 x 20 μs).

**Maximum Applied Surge Pulse Voltage:** 6000 volts (1.2 x 50 μs pulse), industry standard rating.

**Maximum Applied Surge Pulse Current:** 100,000 amperes (8 x 20 μs).

**Endurance, IEEE C62.41-1991 Category B3 (C1) Pulses:** 1 kv>500,000; 3 kv>10,000; 6 kv>1000 (NRTL-UL certified).

#### **ARCHITECTURAL AND ENGINEERING SPECIFICATIONS**

The surge suppressor shall be a one-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and have a 9-foot, grounded, 3-wire #14 line cord. There shall be 8 standard three-prong AC receptacles (9 on R and RT models) and a self-test circuit with visual indicator. Six outlets shall be switched, two shall be always on. Overall dimensions shall be 1.75" H x 19" W x 8" D. Weight shall be 9 pounds.

The surge suppressor shall have a load rating of 15 amps @ 120 volts and provide advanced Impedance Tolerant EMI/RFI filtering and power conditioning. It shall meet 1996 Federal Grade A, Class 1, Mode 1 Guidelines for powerline surge suppressors. There shall be three limiter circuits: a series surge reactor current limiter, a cascaded auto-tracking dual-polarity voltage limiter, and dual pulse inverters. The onset clamping voltage shall be 172 volts, nominal, and the unit shall have an instant-reacting snubber to protect against fast-rising surges generated within the installation location. The surge suppressor shall have unlimited Applied Surge Current rating and shall withstand at least 1000 occurrences of Surge Pulse Voltages up to 6000 volts.

#### **FEATURES**

- Made in U.S.A.
- Magnetic shielding steel enclosure
- 9' grounded 3-wire #14 line cord
- 8 grounded AC outlets on rear panel (6 switched, 2 always on)
- Front panel courtesy outlet (R and RT models)
- Advanced Impedance Tolerant EMI/RFI filtering
- Remote turn on (RT model)
- Connectors for Littlite gooseneck lamps (RL model)
- Thermal circuit breaker overload protection
- Self-test circuit with visual indicator
- Dimensions: 1.75" H x 19" W x 8" D (4.45 x 48.26 x 20.32 cm)
- Weight: 9 lbs (4.1 kg)

**WHEN DOWNTIME IS NOT AN OPTION!**



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