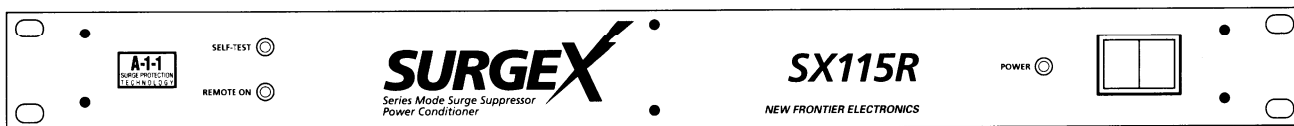
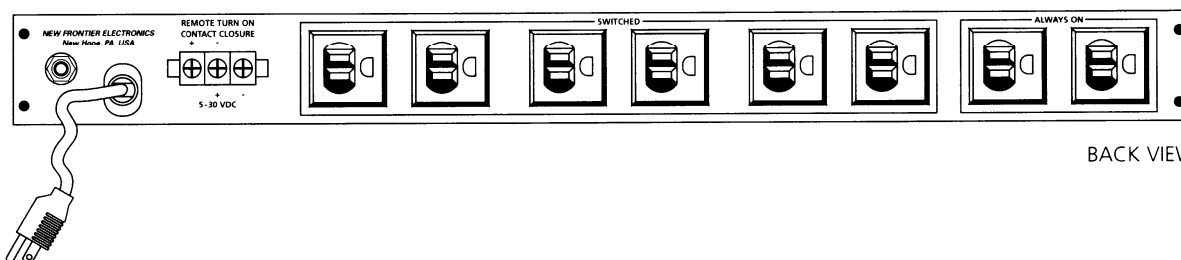


SURGEX SX115R, RT and RL Series Mode Surge Suppressors and Power Conditioners

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



FRONT VIEW



BACK VIEW

The Surge-X SX115 Series provides guaranteed surge protection and power conditioning for audio, video and computer equipment. The one rack-space SX115R features 8 standard grounded AC receptacles and improved EMI/RFI filtering circuitry. The RT model includes remote turn-on capability and the RL model includes front-panel connectors for Littlite gooseneck lamps. Six receptacles are switched, two are always on. SX115 models are 15-amp load-capable.

New Frontier Electronics patented Series Mode 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.

SURGEX

Professional AC Power Products

New Frontier Electronics Inc.
2744 North Sugan Road
New Hope, PA 18938
PH 215-862-9344
FAX 215-862-0270
www.frontierelec.com
www.surgex.com

SURGE PROBLEMS ARE HISTORY!





SX115R, RT and RL Series Mode Surge Suppressors and Power Conditioners

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

SPECIFICATIONS

Load Rating: 15 amps @ 120 volts.

UL 1449 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: SX115R meets 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/ μ s disturbance reduced to 28 volt/ μ s within power wave envelope; less than 10 volt/ μ s outside power wave envelope.

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

Joule Rating Limitation: Unlimited, due to current limiting (8 x 20 μ s).

Maximum Surge Pulse Voltage: 6000 volts (1.2 x 50 μ s pulse), industry standard rating.

Maximum Surge Current Rating: Unlimited, due to current limiting (8 x 20 μ s).

Endurance, 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 an 8-foot, grounded, 3-wire #12 line cord. There shall be 8 standard three-prong AC receptacles 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 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 Current Surge and Joule Limitation ratings, 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
- 8' grounded 3-wire #12 line cord
- 8 grounded AC outlets on rear panel (6 switched, 2 always on)
- 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)

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