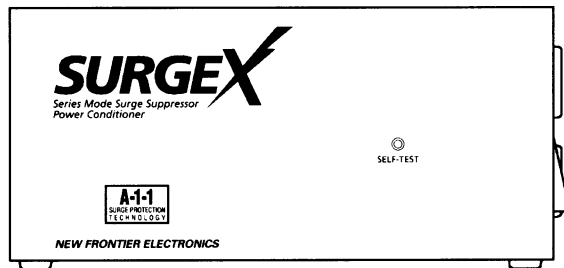


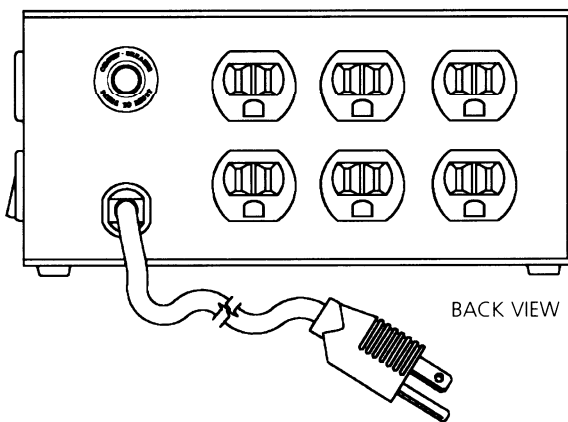
SURGEX SX908 and SX1808

Series Mode Surge Suppressor

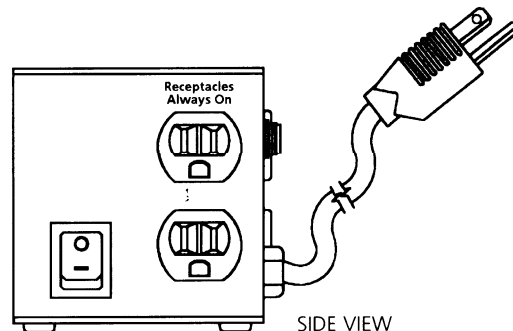
U.S. Patents 4,870,534 and 4,870,528



FRONT VIEW



BACK VIEW



SIDE VIEW

The SX908 and SX1808 provide guaranteed surge protection for audio, video and computer equipment. Both models feature six switched and two unswitched grounded AC outlets. The SX908 is rated at 7.5 amps; the SX1808, at 15 amps.

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.

SURGE PROBLEMS ARE HISTORY!



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

SURGEX SX908 and SX1808

Series Mode Surge Suppressor

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

SPECIFICATIONS

Load Rating: SX908 - 7.5 amps @ 120 volts; SX1808 - 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: SX908 and SX1808 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.

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 Limitation Rating: 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 compact standalone unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and have a 6-foot, grounded, 3-wire #14 line cord. There shall be eight AC grounded outlets, a master power switch and self-test circuit with visual indicator. Two outlets shall be unswitched; six shall be switched. Overall dimensions shall be 3.8" H x 8.5" W x 4" D. Weight shall be 6 pounds.

The surge suppressor shall have a load rating of either 7.5 amps @ 120 volts (15 amps for SX1808). It shall be UL 1449 Listed and 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., UL 1449 Listed
- Magnetic shielding steel enclosure
- 6' grounded 3-wire #14 line cord
- Eight grounded outlets: two unswitched, six switched.
- Master power switch
- Thermal circuit breaker overload protection
- Self-test circuit with visual indicator
- Dimensions: 3.8" H x 8.5" W x 4" D
(9.65 x 21.59 x 10.16 cm)
- Weight: 6 lbs (2.72 kg)

SURGE PROBLEMS ARE HISTORY!

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