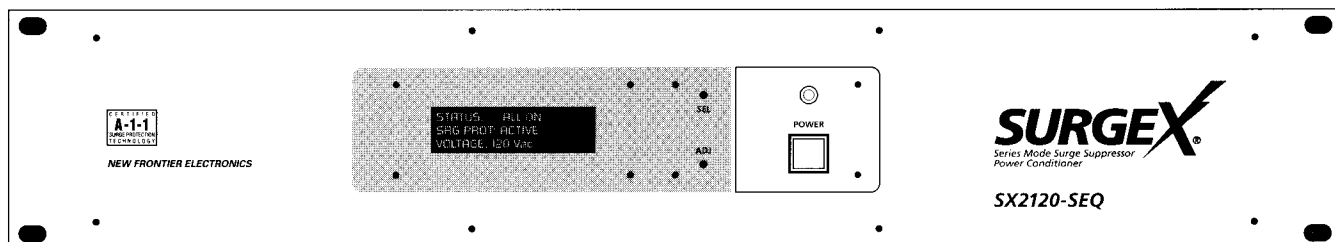
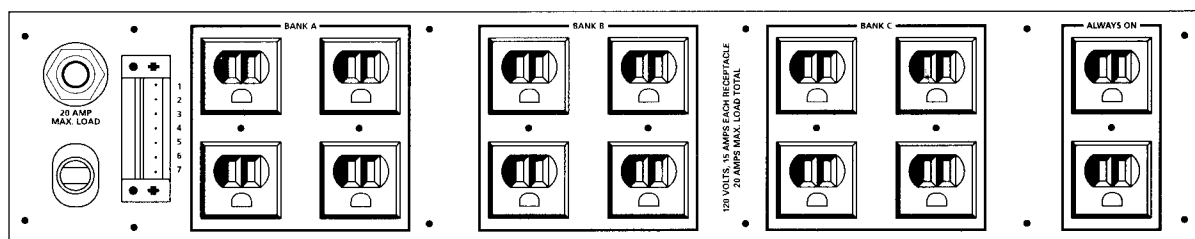


SURGEX**SX2120 SEQ Series Mode Pro™****Surge Suppressor and Power Conditioner
With Impedance Tolerant™ EMI/RFI Filtering**

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



SX2120 SEQ Front



SX2120 SEQ Back

The SX2120-SEQ provides guaranteed surge protection, power conditioning and sequencing for audio, video, broadcast and computer equipment. A double rack-space unit, the SX2120-SEQ features three sequenced banks of four outlets each on the rear panel, along with two always-on outlets. All have advanced **Impedance Tolerant** EMI/RFI filtering.

The SX2120-SEQ has a three-line LCD display on the front panel that displays unit status and AC line voltage, and is also used in programming the unit. Settings are saved in nonvolatile memory. The SX2120-SEQ can control other SurgeX products or several SEQs can be interconnected to operate together. The unit is very versatile, with many powerful features, yet is extremely easy to install, program and use.

SurgeX patented **Series Mode Pro** 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**
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SX2120 SEQ Series Mode Pro™

Surge Suppressor and Power Conditioner

With Impedance Tolerant™ EMI/RFI Filtering

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

SPECIFICATIONS

Load Rating: SX2120 SEQ - 20 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: SX2120 SEQ 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/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: 1000 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).

Control Inputs: Momentary Switch, Latching Switch, Contact Closure or 5-30 Vdc

Input Control Current: 3 mA

DC Voltage Output: 12 Vdc, 50 mA maximum load

Aux Relay Output: 1 amp, 30 Vdc

Delay Times: 0-40 seconds

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The surge suppressor shall be a two-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and have a 9-foot, grounded, 3-wire #12 line cord. There shall be 12 standard three-prong AC receptacles in three banks of four on the rear panel, each bank sequenced from the previous bank by an adjustable 0 - 40 second delay, and two outlets always on. There shall be a back-lit LCD display that shows unit status and AC line voltage, and two screwdriver adjustments to program the unit. Overall dimensions shall be 3.5" H x 19" W x 10.5" D. Weight shall be 16 pounds.

The surge suppressor shall have a load rating of 20 amps @ 120 volts and provide advanced Impedance Tolerant™ EMI/RFI filtering. It shall meet 1996 Federal Grade A, Class 1, Mode 1 Guidelines for power-line 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 an unlimited Applied Surge Current rating (8 x 20 μs) and shall withstand at least 1000 occurrences of Surge Pulse Voltages up to 6000 volts.

FEATURES

- Three sequenced bank of four receptacles with combined load of 20 amperes
- Two outlets always on
- Control output for fourth external bank
- Can be used to control other SurgeX surge suppressors and power conditioners, or daisy chained with other SX2120 SEQs
- Easy setup using only screwdriver and front-panel LCD display
- Setup stored in nonvolatile memory
- Provides continual display of AC line voltage
- Accommodates any type of control input
- DC voltage or contact closure feedback to Crestron or similar control devices. SurgeX is a Crestron I²P Partner.
- Output to drive extra LEDs
- Override input
- Brown-out and over-voltage protection
- Made in U.S.A.
- Magnetic shielding steel enclosure
- 9' grounded 3-wire #12 line cord
- Advanced Impedance Tolerant™ EMI/RFI filtering
- Thermal circuit breaker overload protection
- Dimensions: 3.5" H x 19" W x 10.5" D (8.9 x 48.26 x 25.4 cm)
- Weight: 16.0 lbs (7.2 kg)

WHEN DOWNTIME IS NOT AN OPTION!



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