

Professional grade protection for 240V high current panels and projectors.



The XN240 is the premium protection solution for large projectors and panels that require 240V service. The XN240 features a dedicated 240 Volt / 20 Amp circuit that is hardwired as a subpanel at the service panel or the equipment room and is designed to provide robust protection.

Engineered with professional grade Advanced Series Mode[®] Surge Elimination Technology and Impedance Tolerant[®] EMI/RFI noise filtering, the XN240 is the only 240 Volt NEMA enclosure protection product in the market that eliminates surges and transients that can degrade AV system performance.

The XN240 is the only solution on the market to protect 240V sensitive AV gear. The XN240 frees up valuable rack space, eliminates unsightly wires, meets code for installation at the service entrance, sub-panels, and in ceiling plenums, and will protect your robust AV system in more ways than one.

KEY FEATURES

- Magnetically shielded NEMA enclosure
- Fail safe protection eliminates ground contamination or common-mode disturbances
- Patented technology provides a complete protection package
- Only solution to completely protect sensitive 240V gear
- Improves video and audio performance
- Quality craftsmanship, made in the U.S.A.



Protection You Can Believe In.



Magnetically shielded NEMA enclosure

The XN240 is built for dedicated NEMA circuit applications and is housed in a 12" x 12" x 4" magnetic shielded NEMA enclosure.



Fail safe protection eliminates ground contamination or common-mode disturbances

Unlike conventional MOV based surge protectors, the XN240 completely eliminates and stops all surges up to 6,000 volts without producing disturbances and ground contamination that can degrade the performance of your AV system. With SurgeX A-1-1 Certified Advanced Series Mode® technology, your equipment will run better, sound better, and your picture quality will improve in the blink of an eye.



Patented technology provides a complete protection package

Only SurgeX will protect your equipment in more ways than one. The XN240 also features an Impedance Tolerant® EMI/RFI Filter and is backed with an industry leading Ten Year Product Warranty, and Ten Year Connected Equipment Warranty.



Protects a wide variety of equipment

The XN240 is 20-amp load capable and has two surge suppression modules, one for each 120-volt leg to allow you to safeguard a variety of equipment and is hardwired as a subpanel at the service panel or the equipment room.



Quality craftsmanship, made in the U.S.A.

For over fifteen years all SurgeX products have proudly been made in the U.S.A. and are handcrafted in our Zebulon, North Carolina manufacturing facility. Our specialty power protection products are engineered and assembled individually, by hand to ensure your AV system receives premium 100% fail safe protection-guaranteed.

TECHNICAL SPECIFICATIONS

Load Rating: 20 amps @ 208/240 volts

Power Requirement (no load): 15 watts

Surge Let-Through Voltage (6000-volt surge): 0 volts

UL 1449 Adjunct Classification Test Results:

1000 surges, 6000 volts, 3000 amps, B3 pulse;
Measured suppressed voltage: 170 volts; no failures.

Federal Guidelines: Grade A, Class 1, Mode 1
(CID A-A-55818)

EMI/RFI Filter, Normal Mode (50-ohm load):

40 dB @ 100 kHz; 50 dB @ 300 kHz;
50 dB @ 3 MHz; 50 dB @ 30 MHz

EMI/RFI Filter, Common Mode (50-ohm load):

18 dB @ 300 kHz; 30 dB @ 1 MHz;
50 dB @ 5 MHz; 50 dB @ 20 MHz

Maximum Applied Surge Voltage: 6000 volts*

Maximum Applied Surge Current:

Unlimited, due to current limiting*

Maximum Applied Surge Energy:

Unlimited, due to current limiting.*

Endurance (C62.41-1991 Category B3 pulses):

1 kV > 500,000; 3 kV > 10,000; 6 kV > 1000.

Dimensions: 12.0" H x 12.0" W x 4.0" D
(30.5 x 30.5 x 10.2 cm)

Weight: 20 lbs (9.1 kg)

Temperature Range: 5° to 35° C

Humidity Range:

5% to 95% R.H., non-condensing

Agency Listings: ETL and cETL (UL 1449, 2nd edition;
CSA C22.2 No.8-M1986, R2000)

*1.2 x 50 μs pulse, industry standard combination wave surge, as per IEEE C62.41

Specifications subject to change without notice. SurgeX is a division of Electronic Systems Protection, Inc.

