**Transient Voltage Surge Suppressors By:**

**Individual Equipment, Series II Circuit Protection**

Made in the USA

*"Our Name Says It All"*

# ST-FSP2-2N4-P

Parallel Wired AC Unit

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The Individual Equipment series connected devices provide improved protection for your equipment. These devices are intended for single circuit applications at locations feeding sensitive/critical equipment for voltages up to 480 VAC. Our individual component fused design is extremely effective in virtually eliminating transients generated inside the facility and is an absolute must on circuits feeding critical microprocessor based equipment. The devices also protect critical equipment from damage from externally generated surges such as lightning since the products boast a 20 kA per mode / 60 kA total peak surge current rating.

Its compact size makes installation a breeze.

## GENERAL

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|---|---|
| **Description:** | Series connected transient voltage surge suppressor with encapsulated **O**ptimal **R**esponse **N**etwork™ circuitry (20 kA per mode / 60 kA total peak surge current). |
| **Application:** | Designed for use at ANSI/IEEE medium exposure levels to protect sensitive/critical loads fed by a single electrical circuit. |
| **Warranty:** | |

## MECHANICAL

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| **Enclosure:** | Plastic, UL 94V-5VA (UL's highest possible fire rating) |
| **Mounting:** | Double-sided sticky tape / Strapping material. Din rail mounting feet (DIN option) |
| **Connection Method:** | Wire connections 2 Phase wires (Black) and one Ground wire (Green) |
| **Shipping Weight:** | **<** 1 lbs |

## ELECTRICAL

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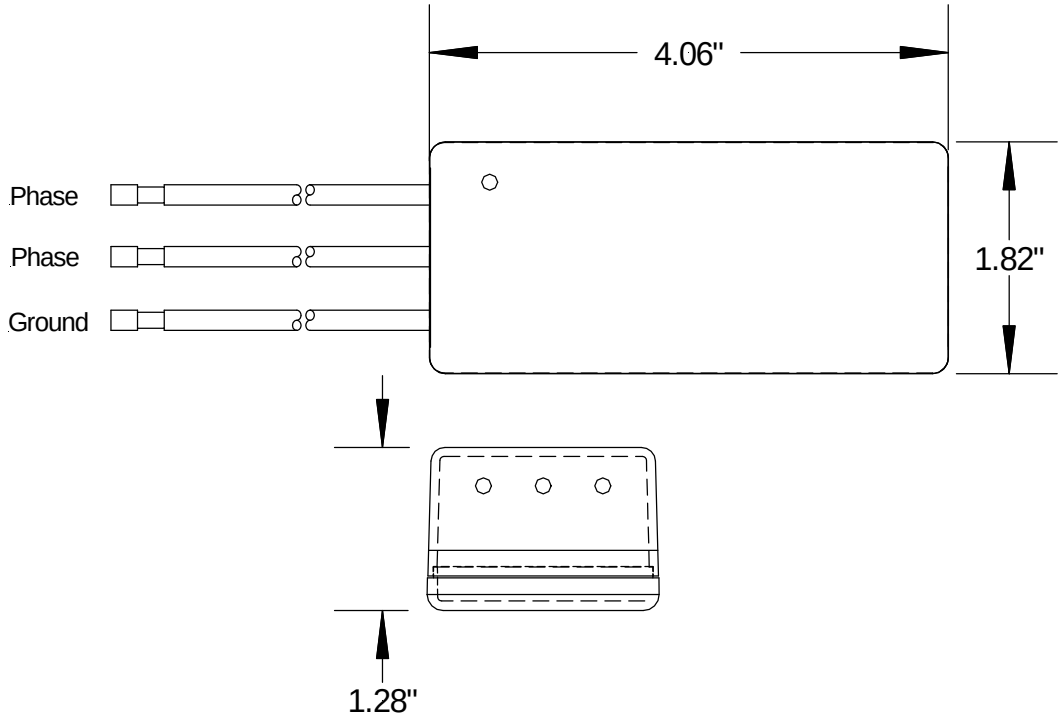
| **Circuit Design:** | Parallel connected hybrid design incorporating discrete all mode protection and utilizing our encapsulated **O**ptimal **R**esponse **N**etwork™ design. All suppression circuits are encapsulated in our high dielectric compound to promote long component life and protection from the environment and/or vibration. All circuits include Phase Level Fusing / Thermal Fusing. |
| **Protection Modes:** | Dedicated protection circuitry for every possible mode. Discrete L-L (Normal Mode), and Discrete L-G (Common Mode) |
| **Input Power Frequency:** | 50-420 Hz |
| **Circuit Diagnostics:** | Green LED, normally on. |
| **Circuit Interrupt:** | External (see installation instructions for details). |

| LET-THROUGH VOLTAGE PERFORMANCE AND ELECTRICAL SPECIFICATIONS | | | | |
|---|---|---|---|---|
| **Model** | **MCOV** | **Mode** | **ANSI/IEEE C62.41.1 & .2-2002 and C62.45-2002 Let-through Voltage Test Results** | |
| | | | **Cat A 30 Ω 100 kHz Ring Wave 6 kV 200 A @ 90° Phase Angle** | **Cat B, 2 Ω Impulse Wave 6 kV / 3 kA @ 90° Phase Angle** |
| **ST-FSP2-2N2-P** | 320 V<br>320 V | L-L<br>L-G | 560 V<br>560 V | 990 V<br>990 V |
| **ST-FSP2-2N4-P** | 550 V<br>550 V | L-L<br>L-G | 925 V<br>925 V | 1400 V<br>1400 V |
| **Let-Through Voltage Test Environment:** Dynamic (D) or Static (S), positive polarity. All voltages are peak (±10%). Time Base is 10 µs. 180° phase angle voltages are measured form the zero crossing, 90° phase angle voltages are measured from the positive peak of the sine wave to the positive peak of the surge indicating actual excess voltage let through. All tests were performed with the device connected in series simulating actual installation. | | | | |

| Options (Suffix) | |
|---|---|
| **Designator:** | **Feature:** |
| **LP** | Remotely mounted NEMA-4X LED(s) |
| **Special Options** | |
| **DIN** | DIN rail mounting |
| **P** | Parallel connected (The P suffix replaces the amperage) |
| **WX** | NEMA 4X housing (requires separate enclosure) |
| Special lead lengths are available upon request (Ex.: -12IN = 12" leads) | |




Actual unit may vary from picture.