



F&J Specialty Products, Inc.

The Nucleus of Quality Air Monitoring Programs

ELECTRICAL SURGE PROTECTION FOR REMP AIR SAMPLING SYSTEMS P/N: FJ-SSI-AS-02



Surges or power line transients are brief overvoltage spikes or disturbances on a power wave form which can damage, degrade or destroy electronic equipment and motors. Externally generated transients include utility grid switching, magnetic coupling and nearby or direct lightning strikes.

F&J SPECIALTY PRODUCTS, INC. (F&J) recommends the use of a “Surge Protective Device” (SPD) for both analog and digital air samplers utilized in REMP air sampling applications. F&J has commissioned a leading manufacturer of SPDs in the USA to design and develop a product that would protect air sampling instruments utilized in NPP REMP programs from the negative effects of power line surges.

Dimensions:	7.3”L × 4.8”W × 2.5”H
Weight:	1.97 lbs. (.90 kg)
Receptacles;	Two (2) 125VAC, 15A standard USA female grounding receptacles powered by one standard USA male plug
Test Standard;	IEEE Std C62.41.2 TM – 2002 and IEEE Std C62.62 TM —2010

References:

- IEEE Std C62.41.1TM–2002—IEEE Guide on the Surge Environment in Low-Voltage (1000 V and less) AC Power Circuits
- IEEE Std C62.41.2TM–2002—IEEE Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits
- IEEE Std C62.62 –2010—IEEE Standard Test Specifications for Surge-Protective Devices (SPDs) for use on the Load Side of the Service Equipment in Low-Voltage (1000 V and less) AC Power Circuits

These are the standards that describe the surge environment and govern performance specifications of SPDs.

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