

ADVANTAGE™

Surge Protective Devices

Definitive Surge Protection for Commercial & Industrial Applications



An ILSCO® Company



www.surgesuppression.com

ADVANTAGE™

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Industry leading let-through voltage performance - Advantage™ SPDs are designed to respond fast and virtually eliminate surges, providing greater protection to downstream equipment and machinery.

Discrete All Mode Protection - Advantage™ SPDs feature directly connected protection elements in “All Modes” (10 modes for 3 phase WYE circuits)

Twenty-Five Year Warranty - Advantage™ SPDs are covered by a 25 year limited warranty.

ANSI/UL 1449 listed - Advantage™ SPDs are designed to fit virtually any application including models that meet the Lightning Protection Standards of UL 96A and NFPA 780.

Two types of fusing - Our Advantage™ SPDs incorporate two types of fusing to assure the safest, most reliable products in the industry.

Advanced Filtering Technology - Our Advantage™ SPDs, when ordered with Advanced Filtering technology, filter out ringing transients, and stop mid-level, ultra-fast, nuisance surges that plague every industrial and commercial facility. These surges cause cumulative damage to PCB circuit boards, frequent error codes, and downtime.

ADVANTAGE™

Devices Surge Protective Devices Surge Protective Devices

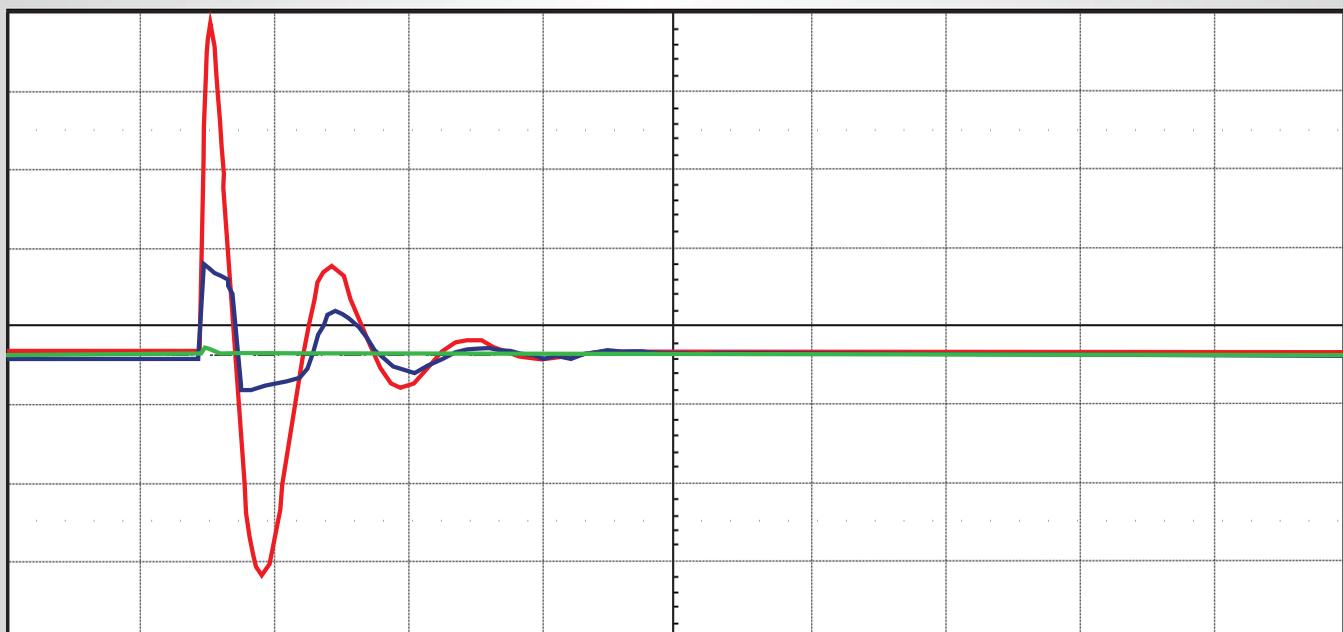
Parallel connected Surge Protective Devices designed to protect all types of loads fed from individual disconnects, sub-panels, distribution panels and service entrance locations.

Standard Features

- 90 kA to 900 kA Per Phase Peak Surge Current
- Standard EMI/RFI filtering
- Optional Advanced Filtering removes virtually all ring wave transients
- Compact NEMA 1 enclosure is standard
- NEMA 2, 3, 3R, 4, 4X and 12 enclosures available
- 25 Year Limited Warranty
- Patented internal phase-level over-current fusing
- Component level thermal fusing
- Industry leading measured limiting voltage performance
- Circuit encapsulation provides a more rugged product with a much smaller footprint
- Nominal Discharge Current (In) Rating: 10 kA/20 kA
- Select 20 kA In for Lightning Protection Systems
- Ten Modes of Protection (3 Phase WYE Circuits)
- One Super Bright diagnostic LED per phase

Advantage™ stops surges the competitors miss.

Our Advanced Filtering reacts to a change in frequency to stop mid-level, ultra-fast, nuisance surges that cause cumulative damage to PCB circuit boards, frequent error codes, and downtime.



Without Protection — 2006 V

Standard Clamping SPD — 413 V

Advantage™ with Advanced Filtering SPD — 44 V

Measured Limiting Voltage

All Tests: 2000 V, 30 Ohm Ring Wave

ADVANTAGE™ OPTIONS

Surge Protective Devices

Code†	Description	All Advantage™ Models ≤ 100 kA per Mode	All Advantage™ Models > 100 kA per Mode
AC10	Basic Internal Audible Alarm	•	•
AC11	Advanced Internal Audible Alarm w/ On, Off, and Test buttons	•	•
AC	Internal Audible Alarm w/ On, Off and Test buttons (battery powered)	•	•
C	Form C Dry Relay Contacts	•	•
S6	Internal Surge Counter (compatible with AC10 or AC 11 Alarms)	•	•
S	Integral Surge Counter (compatible with AC Alarm)	•	•
LP	Remote LEDs	•	•
D1	Integral Disconnect Switch (external handle)	•	•
D3	Integral Disconnect Switch (no external handle)	•	
D5	Integral Disconnect Switch (external handle)		•
D6	Integral Disconnect Switch (no external handle)		•
E1	Hub on upper right of Enclosure	•	•
M	NEMA 12 Metal Enclosure	•	
N	Removed N-G tracking circuit for GFCI Circuits	•	•
P	Flush Mount Plate	•	
W	NEMA 4 Metal Enclosure	•	•
X	NEMA 4X box in box with terminals	•	•
X1, X2, X3	NEMA 4X composite configurations, contact SSI for details	•	
XS	NEMA 4X Stainless Steel Corrosion Resistance Enclosure	•	•

† Many other options available



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