

SensorGuard

Unsurpassed Electrical Surge Protection Systems

SensorGuard is designed to provide the highest level of protection for sensitive electronic devices from the threats of lightning induced surges and fluctuations in the AC power system. This electrical environment leads to equipment damage and malfunctions.

SensorGuard provides proactive electrical isolation during these damaging events. Enhanced Business continuity and reduced replacement, repair and maintenance cost, are a direct result of this protection method.



Delivers Significant Operational and Capital expenditure savings, through reduced replacements, repair and maintenance



SensorGuard Features

- Continually monitors AC power for instability. Monitors for threatening atmospheric conditions (Lightning Ground Strike activity.)
- Eliminates damage due to unstable power and peak load demand conditions.
- Eliminates fault current pathways through sensitive electronic circuits.
- Pro-active "Isolation" approach will complement all SPD technologies.
- Rugged design assures you dependable protection in any environment.
- Comes in both "Plug-N-Play" and "Hard Wired" configuration.
- Low maintenance modular design for "on site" service & upgrading.
- Ideally suited for a wide range of protection applications.

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Comes in several standard models and load ranges. Other models, sizes and load capacities, and operating voltages are available on a custom engineered basis.

SensorGuard SG01

AC Service Rating	One Phase: 120V - 230V per Phase
Current Capacity (Standard Models)	30 FLA/40A Resistive
Power Consumption 1 Contactor	13.8W Standby; 11W Protect Mode
Delay on Timer Range	10 Seconds up to Approx. 1.5 hour
Steady State DC Isolation	> 12kV
Operating Temp Range	-40F to +150F / -40C to +65C
Fiber Optic Input Port	0.089 Plastic Fiber Optic Cable
Typical Lightning Sensor Range	Approx. 5 - 20 Miles (Fully Adjustable)
Status Indicator LEDs	Mounted on Main Control Board
Manual Bypass Switch	Mounted on Main Control Board
Weight (including packaging)	12lbs / 5.45Kgs
Shipping Package Dimensions	26" by 16" by 6" / 660mm by 407mm by 152mm

SensorGuard SG02

AC Service Rating	Two Phase: 120V - 230V per Phase
Current Capacity (Standard Models)	30 FLA/40A Resistive
Power Consumption 2 Contactor	21.5W Standby; 11W Protect Mode
Delay on Timer Range	10 Seconds up to Approx. 1.5 hour
Steady State DC Isolation	> 12kV
Operating Temp Range	-40F to +150F / -40C to +65C
Fiber Optic Input Port	0.089 Plastic Fiber Optic Cable
Typical Lightning Sensor Range	Approx. 5 - 20 Miles (Fully Adjustable)
Status Indicator LEDs	Mounted on Main Control Board
Manual Bypass Switch	Mounted on Main Control Board
Weight (including packaging)	18lbs / 8.17Kgs
Shipping Package Dimensions	26" by 16" by 6" / 660mm by 407mm by 152mm

SensorGuard SG03

AC Service Rating	Three Phase: 120V - 230V per Phase
Current Capacity (Standard Models)	30 FLA/40A Resistive
Power Consumption 2 Contactor	21.5W Standby; 11W Protect Mode
Delay on Timer Range	10 Seconds up to Approx. 1.5 hour
Steady State DC Isolation	> 12kV
Operating Temp Range	-40F to +150F / -40C to +65C
Fiber Optic Input Port	0.089 Plastic Fiber Optic Cable
Typical Lightning Sensor Range	Approx. 5 - 20 Miles (Fully Adjustable)
Status Indicator LEDs	Mounted on Main Control Board
Manual Bypass Switch	Mounted on Main Control Board
Weight (including packaging)	18lbs / 8.17Kgs
Shipping Package Dimensions	26" by 16" by 6" / 660mm by 407mm by 152mm

Options & Features -

- _ Hard-Wired or "Plug and Play"
- _ 1 or 2 Contactors can be Specified
- _ Control and Alarm Modules
- _ Custom Engineering
- _ User Specified System Voltage
- _ Stand-Alone or Rack Mount
- _ Tested to Telcordia Standards GR497 & 937 (OSP)
- _ Tested to IEC/EN 61010-1 (CE Marked)
- _ Testing Performed by BSI

SensorGuard Deployment

