

Strike Guard™

LIGHTNING WARNING SYSTEM

Strike Guard employs state-of-the-art technology to address the most demanding lightning safety and equipment protection applications.

Designed for critical industrial applications, Strike Guard monitors cloud and cloud-to-ground lightning within a user-set radius and provides contact-closure signaling at user-set lightning activity thresholds. Patented optical signal processing and proprietary optical-coincidence technology prevent false alarms.



Strike Guard Sensor data are communicated via lightning-proof fiber-optic cable to an independent Lightning Data Receiver with system status, caution and alarm indicators, relays, and PC compatible output.

STRIKE GUARD DELIVERS:

- Fully automatic alarm triggering with user-set range categories
- 20 mile detection radius
- No false alarms! Patented technology
- Sensor and communication self-test
- Sensor is battery powered for easy installation
- Durable fiber-optic communication with connector-less technology
- Lightning-proof data communication
- NEMA 4X Sensor enclosure
- Lightning Data Receiver with battery-back up
- Optional, Strike View, Windows® -based display software
- Strike Guard Simulation Software for training and testing

The proven and patented technology in Strike Guard provides significant improvement over first-generation lightning sensors. Strike Guard enables automated initiation of lightning evacuation plans, data back-up, generator activation, and equipment shutdown procedures with utmost confidence.

LIGHTNING DATA RECEIVER SPECIFICATIONS:

INSTALLATION: Wall-mountable with size 10 screws.

ENCLOSURE: Type 304 stainless steel.

BATTERY: User-replaceable alkaline C-cells. Low battery indicator.

COMMUNICATION: Connector-less fiber-optic link for Sensor input and output to PC. Integral Sensor data repeater.

EXTERNAL CONTROL: 2 relays, single pole, double throw. 1 A at 120 VAC, UL, CSA approved.

LIGHTNING ALARM RANGE SETTINGS: <5 miles, <10 miles or <20 miles.

SETTINGS: Lightning alarm range, alarm timeout, and lightning counts for contact-closure signaling.

AUDIBLE NOTIFICATION: Alarm Mode, Lightning Flash.

EXTERNAL POWER: In-line switching power supply. Input 100-240 VAC, 50/60 Hz, UL, VDE, FCC, CSA, CE.

SENSOR SPECIFICATIONS:

INSTALLATION: Materials and hardware included for roof-mount.
SITE REQUIREMENTS: Minimal siting restrictions.

ENCLOSURE: NEMA 4X

COMMUNICATION: PMMA fiber-optic, 100 ft cable included.

BATTERY: Lithium primary cells, 4-year life minimum.

STRIKE VIEW SOFTWARE SPECIFICATIONS:

COMPUTER REQUIREMENTS: 64 MB; Pentium I or higher recommended.

PLATFORM: Windows® 95/98 ME/2000/XP

PC INPUT: Strike Guard RS-232 to Fiber-optic Converter provided with 9 socket serial interface.

USB adapter cable available.

CABLE: PMMA fiber-optic cable.

INSTALLATION: CD-ROM.

Strike Guard Sensor interfaces to a Lightning Data Receiver and optional Windows®-based Strike View Software.

The Lightning Data Receiver offers:

1. Audible and visual alarm and system status indicators
2. Full battery back-up (200 hr typical)
3. Relays to interface with sirens and remote-controlled equipment
4. Output for PC to run Strike View Software

Strike View Software offers:

1. Lightning Data Receiver-to-PC fiber-optic communication link for RS-232 or USB port
2. Data logging
3. Exclusive countdown timer from last lightning detected
4. Lightning histograms to monitor storm progression

Each lightning detection and notification problem presents unique challenges. Let us consult with you to configure a custom solution that meets your needs.

Ask us about networked sensors to cover larger areas and multiple locations.



www.lightningman.com.au

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Specifications are subject to change.