THE DANGER

There are an estimated **25 million** lightning flashes each year in the United States. Lightning is often overlooked as a danger as it only claims one or two victims at a time, but is one of the top 5 causes of weather-related fatalities. On average, lightning kills and injures more people than tornados and hurricanes. Many fatalities from lightning strikes occur on weekends when people are enjoying outdoor activities.

THE FACTS

- Lightning can spread out up to 65 feet after striking the ground.
- According to the NOAA, the second most lightning deaths happen while standing under a tree.
- Leisure activities account for the most lightning deaths at 64 percent.
- The odds of being struck by lightning in your lifetime (80 years) are 1 in 13,500.
- Some of the most dangerous activities when lightning is near are golf, field sports, swimming and water recreation.
- Lightning strikes can occur miles from where it is raining. As such, most lightning deaths and injuries occur ahead of or behind a storm when most people think there is little threat of lightning.

THE PROBLEM

Most people are not informed enough about the dangers and facts about lightning. Lightning strikes are very unpredictable, so lightning safety is often based on guesswork or low-cost devices with limited accuracy. No one can predict where or when lightning will strike.
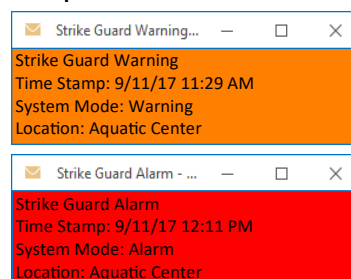
THE SOLUTION

Strike Guard by WXLine is a scientifically proven, patented, fully automated lightning detection and warning system. It tracks actual lightning strikes and issues an alarm based on proximity.

Features of the Strike Guard system include:

- Monitors cloud and cloud-to-ground lightning.
- Detection up to 20 miles away.
- Interfaces with the WAVE wireless siren and strobe systems for remote and automatic notification of the lightning threat and "All Clear" notification.
- User-selectable Caution, Warning and Alarm ranges.
- Audible and visual alarms with **no false alarms.**
- No cleaning or calibration required.
- Optional PC-based Strike View Software for automatic e-mail or text notifications.
- Warranty protection.

GET PROTECTED!

Why do you need lightning protection?

First and foremost is safety. Most lightning casualties are preventable with common sense and the proper equipment that can detect and warn of imminent lightning. There is nothing more important than the safety of our friends and families.

Secondly is money. Lightning strikes cause nearly $5 billion in equipment and property damage each year. Strike Guard can be programmed to automatically shut down irrigation systems, controllers, pumps and other critical electrical electronic equipment during a lightning event.

Automated audible and visual warning systems are the best way to ensure safety, protect assets and remove the guesswork on lightning detection and warning.

Strike Guard customers are in many different industries including:

- Golf courses
- Beaches
- Recreation venues
- Municipalities
- Schools and Universities
- Resorts
- Aeronautics
- Manufacturing
- Military

Sample Email Notifications:

✉ Strike Guard Warning... — ☐ ✕

Strike Guard Warning
Time Stamp: 9/11/17 11:29 AM
System Mode: Warning
Location: Aquatic Center

✉ Strike Guard Alarm - ... — ☐ ✕

Strike Guard Alarm
Time Stamp: 9/11/17 12:11 PM
System Mode: Alarm
Location: Aquatic Center

Sample Text Notifications:

Subject: Strike Guard Mode Change WARNING EXIT
Time Stamp: 9/11/17 11:29 AM

System Mode: No Lightning Detected
Location: Aquatic Center
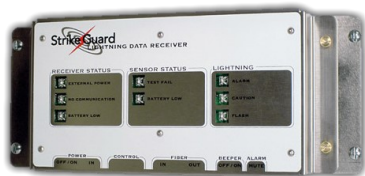Note: Software activated within past 30 minutes.

Subject: Strike Guard Warning
Time Stamp: 9/11/17 11:30 AM

System Mode: Warning
Location: Aquatic Center
Note: Software activated within past 30 minutes.

Follow us on:

LIGHTNING DETECTION

StrikeGuard™

Strike Guard Lightning Data Receiver

RS-232 to Fiber-optic converter

Strike Guard Sensor on tripod

Strike View Software

Part Number	Description
SG001	Strike Guard Lightning warning system
	- Includes Sensor, mounting hardware, Data Receiver, battery backup, 98-ft fiber-optic cable
SG002	Strike View Server Software
	- Includes RS-232 to Fiber-optic converter, 32-ft fiber-optic cable, USB memory stick
SG003	Strike Guard Extended Warranty/Advance Exchange

Also available are additional items to customize and maintain your system:

- Additional software licenses to operate software across a network and on multiple computers.
- Replacement fiber-optic cables in lengths from 32 to 295 feet.
- Replacement and additional parts such as power supply, sensors, receivers, fiber-optic converters, mounting tripod.
- Factory service and equipment exchange programs.

LIGHTNING WARNING

WAVE Siren™

Wave Transmitter

Wave Power Sequencer

Wave Siren Station with 3-horns and solar mounted on a pole

Indoor Equipment Bulkhead with integrated PC

Part Number	Description
WAVE-TR01	WAVE Transmitter
	- Includes wireless transmitter, antenna, 70-ft antenna cable, power supply, battery backup, Strike Guard interface cable.
WAVE-SS01	WAVE Siren Station with 1 horn
WAVE-SS02	WAVE Siren Station with 2 horns
WAVE-SS03	WAVE Siren Station with 3 horns
WAVE-SS04	WAVE Siren Station with 4 horns
	- Includes radio receiver, power supply, rechargeable battery, antenna, 120-degree directional horns.
WAVE-PS01	WAVE Power Sequencer
	- Includes 3-ft antenna, radio receiver, power supply, battery backup, 25-ft antenna cable
WAVE-EWAE	WAVE Extended Warranty/Advance Exchange

Also available are additional items to customize and maintain your system:

- Factory assembled equipment protection bulkheads.
- Integrated touch-screen PCs for independent information access.
- WAVE siren station with strobe light only.
- Solar panel, strobe light or horn to add to any standard WAVE Siren station.
- Surge arrestor for WAVE Siren station.
- Antenna cables in lengths from 12 to 100 feet.
- Replacement and additional parts such as power supply, antennas, mounting hardware, batteries.
- Factory service and equipment exchange programs.

Follow us on:

Lightning Protection

StrikeGuard™ **WAVE Siren™**

Indoor Equipment Bulkhead

- Fiberglass enclosure with a clear viewing window.

- Provides electrical and environmental protection
  for the Strike Guard Data Receiver and WAVE
  Transmitter.

- External antenna mount and power connection.

- Liquid-tight connectors for fiver cable in/out.

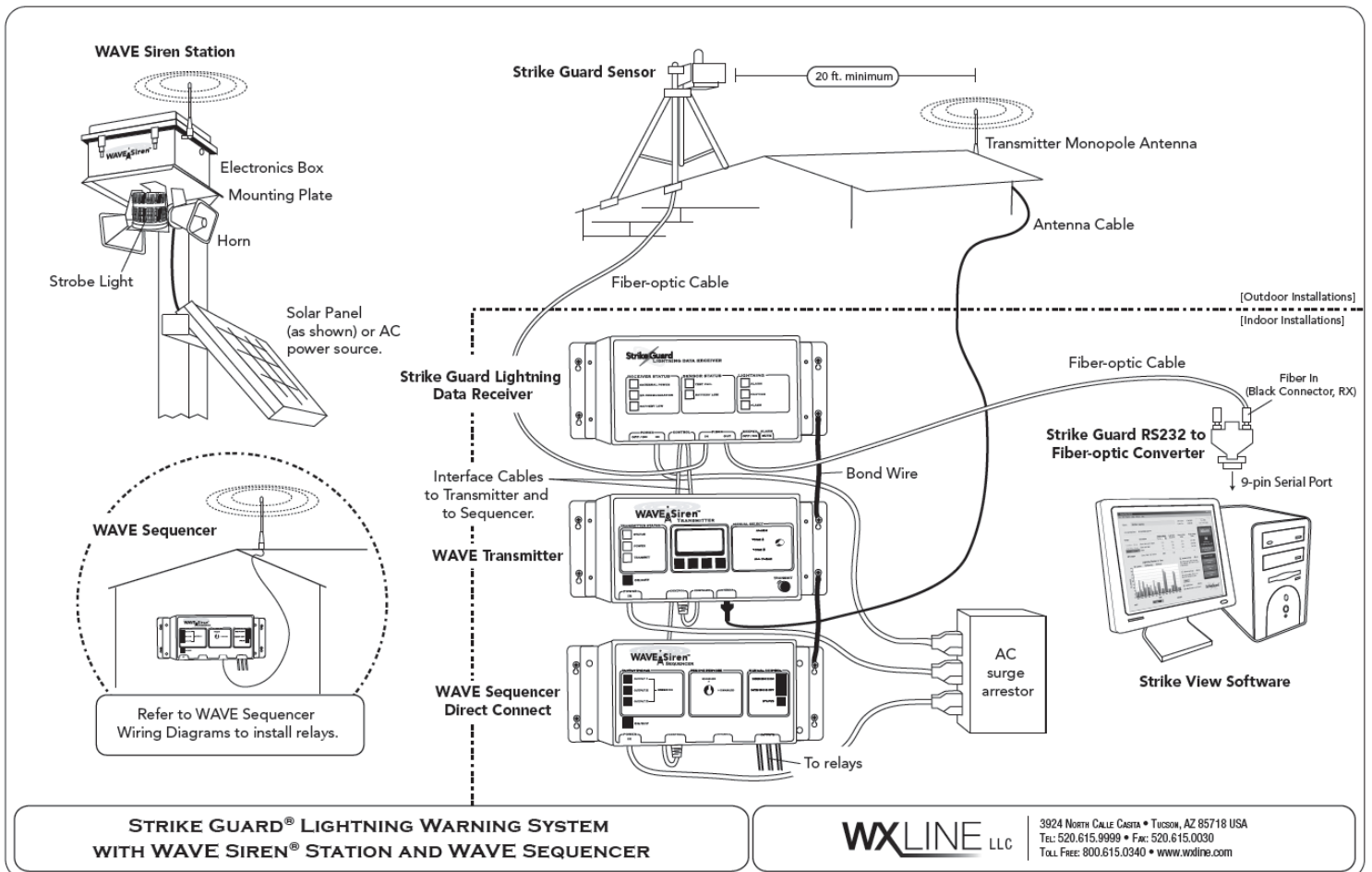- Solar power option for remote base-station operation

Critical Asset Protection Bulkhead

- Fiberglass enclosure with a clear viewing window.

- Provides automated, active lighting protection by the
  electrical isolation of industrial control systems and
  central stations.

- Selective isolation, grounding and shutdown

- Fully assembled and pre-wired, ready to power on

Specifications

Call for pricing and availability

WAVE Siren Station
- Electronics Box
- Mounting Plate
- Horn
- Strobe Light
- Solar Panel (as shown) or AC power source.

Strike Guard Sensor — 20 ft. minimum

Transmitter Monopole Antenna

Antenna Cable

Fiber-optic Cable

[Outdoor Installations]
[Indoor Installations]

Strike Guard Lightning Data Receiver

Fiber-optic Cable

Fiber In (Black Connector, RX)

Strike Guard RS232 to Fiber-optic Converter

9-pin Serial Port

WAVE Sequencer

Refer to WAVE Sequencer Wiring Diagrams to install relays.

Interface Cables to Transmitter and to Sequencer.

Bond Wire

WAVE Transmitter

WAVE Sequencer Direct Connect

AC surge arrestor

To relays

Strike View Software

STRIKE GUARD® LIGHTNING WARNING SYSTEM WITH WAVE SIREN® STATION AND WAVE SEQUENCER

WXLINE LLC
3924 North Calle Casita • Tucson, AZ 85718 USA
Tel: 520.615.9999 • Fax: 520.615.0030
Toll Free: 800.615.0340 • www.wxline.com