

OUTDOOR ALERTING SYSTEMS FOR LIGHTNING



ACCURATE. CONSISTENT. LIFE-SAVING. ADVANCED AUTOMATED WEATHER ALERTS

Take the guess-work out of deciding when to take cover when lightning and severe storms threaten outdoor activities. Facilities with outdoor spaces are safer with automatic alerting when bad weather approaches. Our solution includes an audible alert when lightning is detected near your campus, golf club, playground, park, camp or pool and clears the area automatically.

OVERVIEW

The Earth Networks Outdoor Alerting System (OAS) monitors severe weather and lightning around outdoor facilities such as stadiums, sports fields, golf courses and other outdoor recreation areas. Schools, universities and organizations all over the world count on Earth Networks to protect people gathering outdoors for sports, recreation, and other outdoor events.



We were playing a softball game this past spring and our Earth Networks system showed that some pretty bad storms were moving in. At our complex, there were also several youth games going on. When the horn and alert went off we were very happy that we got the fields cleared in time and extremely happy with the service. It is awesome!



Mark Albertini,
Carbondale Community High School

BENEFITS



AUTOMATIC CUSTOMIZABLE ALERTS

Take control of outdoor safety by defining a custom set of parameters for alerts, including hours of operation, coverage area and distance of approaching severe weather.



OUTDOOR FACILITIES MONITORING

Protect outside areas vulnerable to dangerous storms with outdoor horns that alert everyone when there is lightning in range.



FLEXIBLE IMPLEMENTATION

NEW solar and cellular configuration options offer installation without the use of traditional wired power and internet, enabling full remote deployments in any location.



RISK MITIGATION

Enable proactive automated decision making regarding transportation, closings, events, and outdoor activity cancellations. Standardized alerts and visualization allow for better managed outdoor activities.

KEY FEATURES

- Total lightning detection
- High-decibel alerting
- Customizable configuration
- **NEW** Solar and cellular configurations available

ENJOY PEACE OF MIND WITH THE WORLD’S BEST LIGHTNING DETECTION TECHNOLOGY

The patented design of Earth Networks OAS is the first commercially available outdoor mass notification system to be integrated with Earth Networks industry-leading lightning detection technology - representing a new generation in omnidirectional siren and alerting systems.

Total Lightning Detection

- Outdoor Alerting System is integrated with Earth Networks Total Lightning Network for cloud-to-ground and in-cloud lightning detection
- Extremely accurate and early alerts
- High density lightning network provides redundancy, high reliability, efficiency and location accuracy for alerts

High-Decibel Signal

- System comprised of both horn units and strobe lights
- 360 degrees of audible and visual coverage
- Attention-getting signals for maximum coverage
- Single or multiple siren sites equipped with a built-in battery backup

Customizable Configuration

- Provides decision makers with a web-based interface
- Configure hours of operation, lightning-strike distance and alert duration
- Multiple delivery methods for warnings and alerts
- Receive customized, site-specific storm warnings
- Indoor device connects to the alert system and contains a loud internal speaker with an adjustable volume level to alert personnel inside

NEW Solar Cellular Option

Go green with our new solar powered OAS. Solar panels support a wireless configuration with your cellular modem/router and existing data plan. Now, your lightning alerting system can be placed regardless of wired power and internet constraints.

PERFORMANCE SPECIFICATIONS

110dBA horn
170,000 Peak Candela Strobe Lights
360 degrees of audible and visual coverage
Horns audible to a maximum of 700 yards
Integrated with the Earth Networks Total Lightning Network*

PERFORMANCE SPECIFICATIONS (SOLAR)

Solar Panel	SolarTech 55 watt 24 volt panel – SPM055P-WP-F
Panel Mount	RAC-M455B
Charge Controller	Morningstar SunSaver 10 amp 24 volt – SS-10L-24V
Batteries	Quantity 2 of 55 Ah 12 volt AGM Batteries – UB22NF
Enclosure	Aluminum System Enclosure – BBA-1 Circuit Protection: Quantity 3 of CBI Electric Circuit Breakers – QY18U210B1 - 1 Breaker per positive (+) wire from charge controller
Wire from Panels	10 AWG wire
Wire to Load	10 AWG wire
Wire Between Batteries	4 AWG wire

CONNECT WITH US

For more than 20 years Earth Networks has operated the world’s largest and most comprehensive weather observation, lightning detection, and climate networks.

Our observations inform and alert consumers, enterprises and governments around the world, providing them with advanced environmental intelligence for decision making and safety.

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