

# WeatherBug® Total Lightning

*The New Standard in Lightning Detection and Advanced Warning*

## The Most Accurate Lightning Detection Technology

The WeatherBug Total Lightning Network (WTLN) is the new standard in reliability for intracloud (IC) and cloud-to-ground (CG) lightning detection – well beyond existing networks and single-node prediction systems.

## Early Warning Can Make the Difference

Detection of IC is critical for advanced warning of severe weather and deadly CG lightning strikes that often follow 5 to 30 minutes after IC flashes begin. Advanced warning increases your time to get people to a safe location and property secured.

## Alerts Where and When You Need Them

Receive alerts to multiple locations via multiple methods – mobile devices, computers and alert beacons/sirens placed in high-visibility areas. Avoid false alarms – strikes are monitored, confirmed and communicated.

### Advantages of WeatherBug Total Lightning Detection

- Avoid false alarms with the most accurate detection technology
- Unmatched network density and redundancy provides higher reliability, efficiency, enhanced lightning detection and location accuracy
- Receive customized, site-specific storm warnings
- Choose multiple delivery methods for warnings and alerts
- Make better decisions in critical situations
- Reduced cost of ownership
- 24x7x365 network monitoring and support

## HOW IT WORKS



### DETECT

1. IC and CG flashes are instantly detected hundreds of miles away by your sensor and the WTLN.

### ALERT

2. If within your warning zone, alerts will be sent to devices.

### PROTECT

3. Implement safety procedures – move people to safe locations and secure property.

# WeatherBug® Total Lightning

*The New Standard in Lightning Detection and Advanced Warning*



## Detect, Alert and Protect

Often striking with little or no warning, lightning is one of the leading weather-related causes of death and injuries. Now, WeatherBug offers a revolutionary system to help protect people and property. In addition to owning and operating the world's largest real-time weather network, WeatherBug culminates years of research by our engineers, researchers and leading scientists to bring you a new standard in lightning detection and warning systems — the WeatherBug Total Lightning Network (WTLN).

WTLN is the first integrated intracloud (IC) and cloud-to-ground (CG) lightning detection network to be available on a nationwide basis. It is the most advanced lightning detection and warning system available while remaining cost-effective.

WTLN provides the ability to monitor the onset and development of IC and CG lightning and can improve warning times over traditional technologies for many severe weather events. This technology can provide critical 5- to 30-minute lead times for predicting dangerous CG lightning, tornadoes and downbursts.

## WeatherBug Total Lightning Package

### LIGHTNING SENSOR AND NETWORK

- Integrated intracloud (IC) and cloud-to-ground (CG) lightning detection sensor
- First broadband national total lightning network enables scale and data flow efficiencies
- High temporal resolution and high-frequency (HF) sensors enhance detection of IC flashes

*"WeatherBug is our portable lightning and severe weather warning system because we aren't always at our desks to receive alerts."*

*– Jerry Graziore, Safety Director Broward County Schools*



### ALERT BEACON FOR HIGH-VISIBILITY AREAS

- 16-high intensity strobes
- 8-tone siren rated at 106 decibels
- Rechargeable battery backup
- Expandable to most horn systems
- Add more beacons to other high-visibility areas



### WEATHERBUG PROTECT – All-weather phone and email alerts

- 6 staff accounts
- Lightning and other severe weather alerts sent directly to your phone and/or computer
- User-defined thresholds and proximity limits



### ONLINE WEATHER CENTER

- Web-based tool that shows your live conditions
- Integrates lightning strike maps
- Displays issued alerts
- Empowers operational decisions
- A source of valuable information for website visitors



**February 10, 2009 - Oklahoma City, OK:**  
The superior detection of IC lightning through the network can provide early warning of severe weather events. One tornadic storm produced at least three touchdowns, resulting in one injury and damage to homes and businesses.

**To learn more, call 1.800.544.4429 ext. 2 or visit [weatherbugschools.com](http://weatherbugschools.com)**