

# WeatherBug Total Lightning

Often striking with little or no warning, lightning is one of the leading weather-related causes of death and injuries. Now, WeatherBug provides a revolutionary detection and alerting system to help protect people and property.

## The Most Accurate Lightning Detection Technology

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

## Early Warning Can Make the Difference

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. In fact, the WeatherBug Dangerous Thunderstorm Alert (WDTA) provides advanced notification of the increased threat of severe weather. The WDTA alert is issued when there is a high frequency of total lightning, indicating the increased potential for *CG lightning strikes, heavy rain rates, high winds, hail and tornadic activity.*

## Alerts When and Where You Need Them

Receive alerts to multiple locations via multiple methods—mobile devices, computers, alert beacons or to an outdoor mass notification horn system. Strikes are monitored, confirmed and communicated to avoid false alarms.

## ADVANTAGES OF WEATHERBUG TOTAL LIGHTNING

- 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
- Advanced warning of multiple severe weather events
- Reduced cost of ownership
- 24 x 7 x 365 network monitoring and support

## HOW IT WORKS



## WeatherBug Total Lightning Package

This package adds WeatherBug Total Lightning to your weather station and provides a variety of alerting tools.



### 1. Lightning Sensor and Network

- Integrated in-cloud and cloud-to-ground 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

### 2. Alert Beacons

- 16 high-intensity strobes
- 8-tone siren rated at 106 decibels
- Rechargeable battery backup

### 3. WeatherBug Protect

- All-weather phone and email alerts
- Lightning and other severe weather alerts sent directly to your phone and/or computer

### 4. Online Weather Center

- Web-based tool that shows live conditions for your website visitors
- Integrates lightning strike maps
- Displays issued alerts

## Outdoor Alerting System

The WeatherBug Outdoor Alerting System works in conjunction with WeatherBug weather stations equipped with lightning detection technology. Outdoor facilities can now have the first commercially available outdoor mass notification system to be integrated with in-cloud and cloud-to-ground lightning detection technology.



### The Most Advanced Automated Warning Available

Made in the U.S.A. and designed specifically for outdoor facilities, the WeatherBug Outdoor Alerting System is unique in both design and function. The patented design represents a new generation in omni-directional sirens and alerting systems and the professional-grade components make it virtually maintenance free.

The system is comprised of one or more 110 dBA horn units equipped with 170,000 peak candela strobe lights—providing 360° of audio and visual coverage. The system provides high-decibel, attention-getting signals for maximum coverage from single or multiple siren sites and comes equipped with a built-in battery backup.

The indoor components connect to the alert system and contain a loud internal speaker with an adjustable volume level to alert personnel inside. The unit can either be wall mounted or sit on a desktop and provides manual control buttons for Alert, All Clear and Cancel. Using the Internet, the WeatherBug Outdoor Alerting System provides decision makers with a web-based application to configure hours of operation, lightning-strike distance and alert duration.

## WeatherBug StreamerRT

The ultimate in weather visualization, StreamerRT leverages the entire WeatherBug Network and provides the highest level of precision for tracking and analysis of lightning and severe weather.



### The Most Advanced Web-based Weather Visualization

The StreamerRT differentiator is live, hyper-local weather information. StreamerRT is powered by the WeatherBug proprietary network of over 8,000 weather stations. In addition, total lightning detection is integrated into StreamerRT and provides unmatched severe weather prediction and warning capabilities.