



ARIISE POWER SERVICES

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BTD-200

Lightning Warning System

Self-contained, easy-to-use professional lightning detection and warning system

Specifically designed for sporting and leisure facilities as well as industrial sites and meteorological applications

Advanced warning of overhead thunderstorms and real-time warnings of distant lightning up to 22 miles (35 km) away

Professional meteorological detection and warning algorithms



Since 1975, Bristol Industrial & Research Associates Ltd (Biral) has been designing and manufacturing innovative, high-quality meteorological sensors measuring precipitation, wind speed and direction, temperature, visibility, and thunderstorm detection as well as aerosol analyzers for professional markets including aviation, offshore platforms, and wind energy.

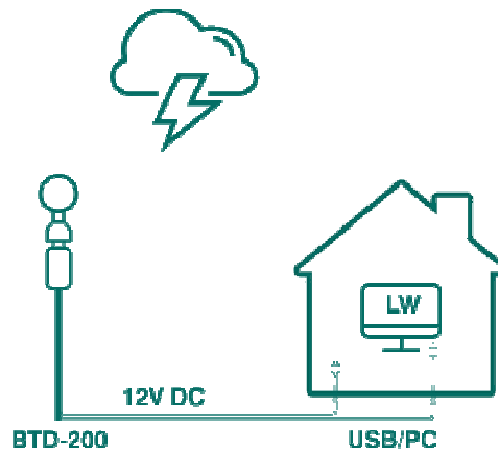


H.O.: C-12, Kolba Swami Colony, Near Nisarg Lawn, Katol Road, Nagpur -440013

The next generation of lightning detection and warning systems

Detects cloud-to-ground, intra-cloud, & cloud-to-cloud lightning

- Complete plug & play lightning warning system – easy to install
- Fully automatic alarm triggering
- Warns of the most dangerous (overhead) lightning risk even before the first lightning strike
- Advanced auto self-test to ensure system operation
- Accurate 22 mile (35 km) detection range
- Highly intuitive software.

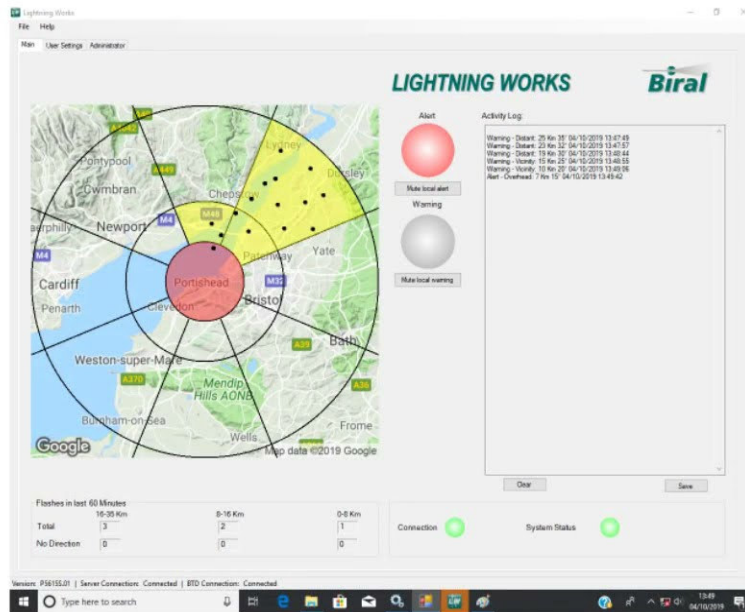


The BTD-200 lightning warning system is a modular system designed to operate out-of-the-box and is expandable as requirements grow or change. Its proven technology is currently used at airports worldwide and by national meteorological organizations.

The lightning detector is placed outside and a PC located indoors runs the supplied Lightning Works software (LW).

View the lightning distance in real-time on a map of the local area while displaying the urgent lightning alarm level. The BTD-200 can be connected directly to an appropriately sized warning sounder if required.

The system includes a power supply. Optional cabling to connect to the power and the host PC is available.



Lightning Works Graphical Alarm Software

- Multi-user capability, with up to 5 simultaneous users
- User-adjustable map overlay showing lightning distance warning zones
- Shows lightning warning state in real-time
- Sensor health status display
- System configuration window
- Automatic data logging of lightning events

This comprehensive software package allows the user to configure the BTD-200 to meet their warning needs via user-adjustable warning zones. It displays the lightning location in real-time on a map of the local area and the current lightning alarm level simultaneously.

Lightning Works Messenger SMS/Email Warning Software

- Automatically send lightning warnings direct to users via SMS and email
- Unlimited number of telephones can be contacted
- Both warnings and alerts can be sent
- Requires an internet text message provider contract to operate



Please Click On the Link For More Details: <https://youtu.be/pxCSekkTd1o>

Automatically generate and send warning messages via text and email to a list of pre-defined recipients. These warning messages can be sent to any number of recipients, including operations or site managers, those responsible for safety, or directly to affected staff working outside.

About Lightning Detection and Warning Systems

The most reliable way of issuing a lightning warning is with a dedicated lightning detection system.

About 90% of thunderstorms are already producing lightning by the time they are within 12 miles (20 km). Your lightning warning system must provide adequate notice of an approaching storm.

The ideal thunderstorm warning system...

The ideal system will give adequate warning before the storm moves overhead AND warn of the threat posed by the potential for overhead lighting before it has even begun. In both cases, advanced notice allows managers and operators of at-risk sites to alert staff, visitors, or players.

The thunderstorm detector must be able to alert for both distant lightning as well as the presence of a strong electric field at your location which is indicative of lightning developing overhead.

10% of thunderstorms provide no warning.

The first flash will occur nearby or overhead, which is the most dangerous, which is why it is important to rely on products that detect more than lightning.

Specifications

MEASUREMENT

- Lightning Detection – Cloud-to-cloud, cloud-to-ground, and intra-cloud lightning discharges
- Thunderstorm activity for advanced warning of lightning – Charged precipitation and strong electric field
- Lightning detection range – 35km (22miles)

POWER REQUIREMENTS

- Supply voltage – 9 to 30Vdc – Universal mains power adaptor supplied
- Power consumption – Less than 5W

ENVIRONMENTAL

- Shock and vibration – Land-based fixed installation
- Weight – 4.3kg (9.5lbs) Sensor only



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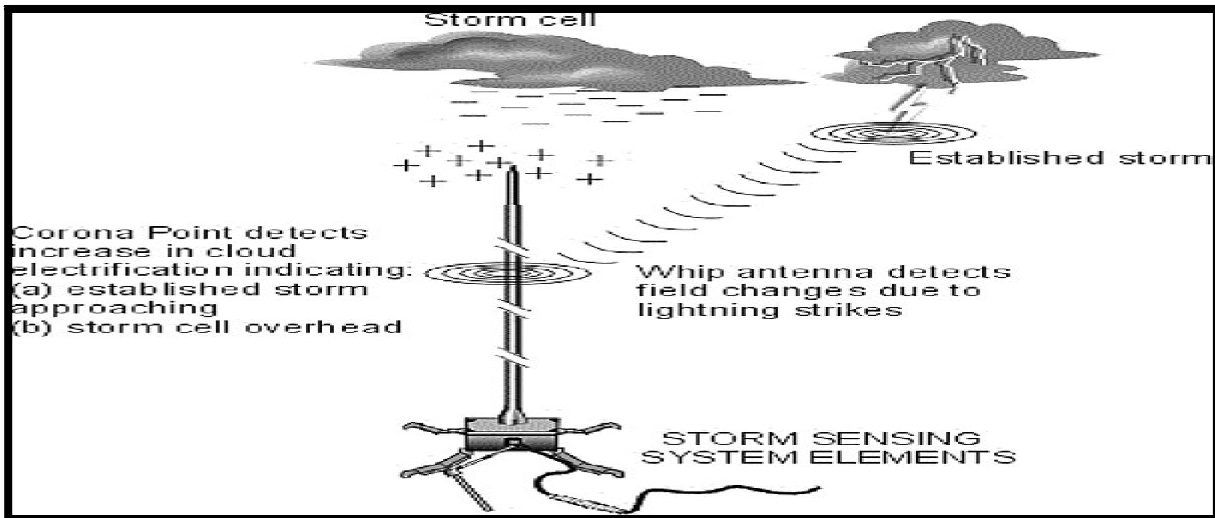
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CERTIFICATION & COMPLIANCE

- CE Certified
- EMC compliance with EN61326-1:2013 Industrial immunity, domestic emissions
- RoHS and WEEE compliant
- Compliance with EN50536:2011+A1:2012 for a Class 1 detector
- Performs in accordance with IEC 62793 for a Class A detector



Contact us today to learn more!

Thank you

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