



# POWER LINE WARNING SYSTEMS

**Keeping you and your equipment safe around overhead power lines.**



VOLTEK **NS**  
TM

## POWER LINE WARNING SYSTEM

Our signature power line proximity alarm system. With intuitive audible and visual cues, adjustable sensitivity, and the ability to integrate with the emergency stop (E-stop) or electric-over-hydraulic controls of your equipment, the Voltek NS is ready to tackle any job or application.

**WWW.VOLTEKSYSTEMS.COM (406) 249-9830**

Voltek Systems made by United Safety Incorporated  
Proudly made in the USA

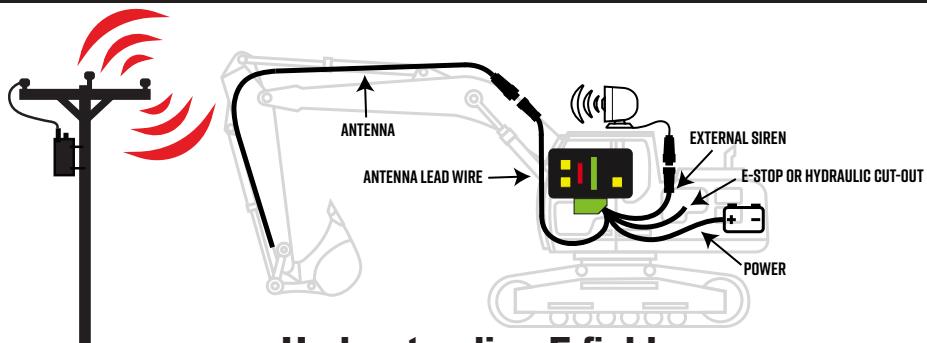


# POWER LINE WARNING SYSTEM

**VOLTEK**NS™

- Detects 50-60 Hz overhead power lines greater than 2500kV
- Back-lit display
- Adjustable sensitivity
- RECALL mode lets you recall previous sensitivity level
- Hydraulic or E-stop integration
- Dust and water resistant (IP67 rating)
- Antenna length up to 65 M
- 110+ db external siren

## HOW IT WORKS:



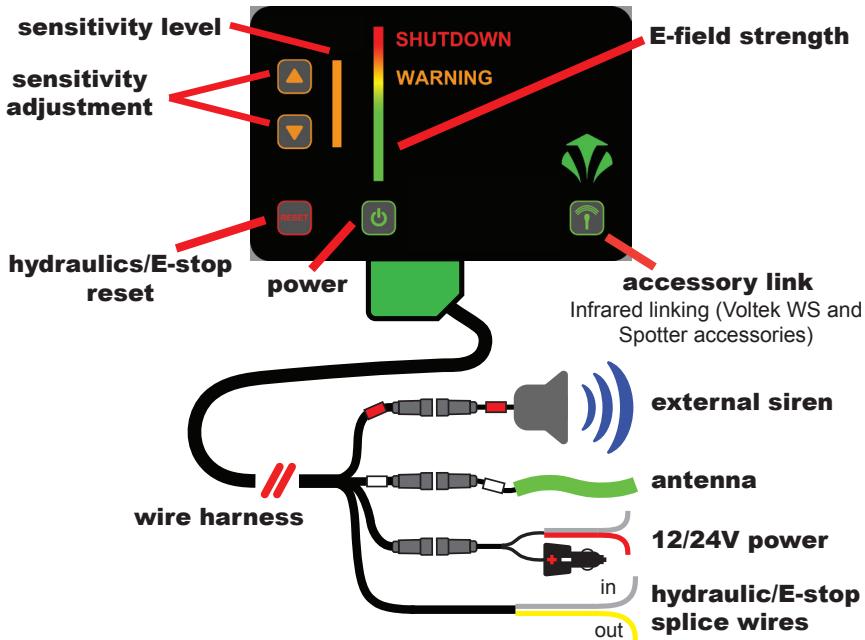
### Understanding E-field

**E-field Detection**  
The Voltek NS uses a wire antenna running the length of the boom of your equipment to detect the E-field. Since the strength of the E-field is dependent upon the relative distance from the power line and the voltage carried by the line, the sensitivity of the NS can be adjusted to compensate accordingly.

Overhead power lines create an electromagnetic field (E-field). The strength of the E-field is largely dependent upon the voltage of the power line and the distance from the power line.

The higher the voltage-the stronger and larger the E-field surrounding the line.

## SYSTEM OVERVIEW:



### E-Field strength (relative to sensitivity level)

**RED:** indicates you are dangerously close to power line-siren alerts you with constant tone

**YELLOW:** indicates presence of strong E-field-proceed with caution-siren sounds with increasing frequency as signal gets stronger

**GREEN:** indicates safe operating distance-siren does not sound

### Hydraulic interrupt or E-Stop integration:

The wire harness supplied with the Voltek NS includes wires which can be spliced into either the hydraulic control circuit or E-stop system on your equipment. When the NS goes into SHUTDOWN mode it breaks the continuity in the circuit-causing the hydraulics to stop or the equipment to shut down

For more information or to get a quote please contact us at:

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