



**VOLTEK
SYSTEMS™**
by United Safety Incorporated
www.volteksystems.com

POWER LINE WARNING SYSTEMS

Keeping you and your equipment safe around overhead power lines.



VOLTEKNS™

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



VOLTEKNS™

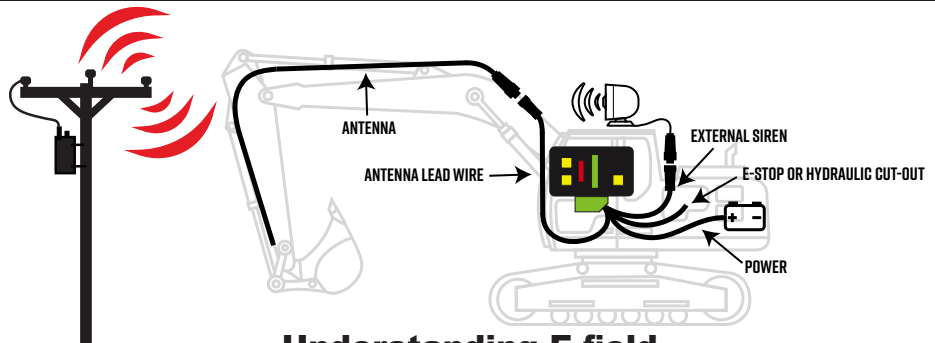
POWER LINE WARNING SYSTEM

- 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:

E-field Detection

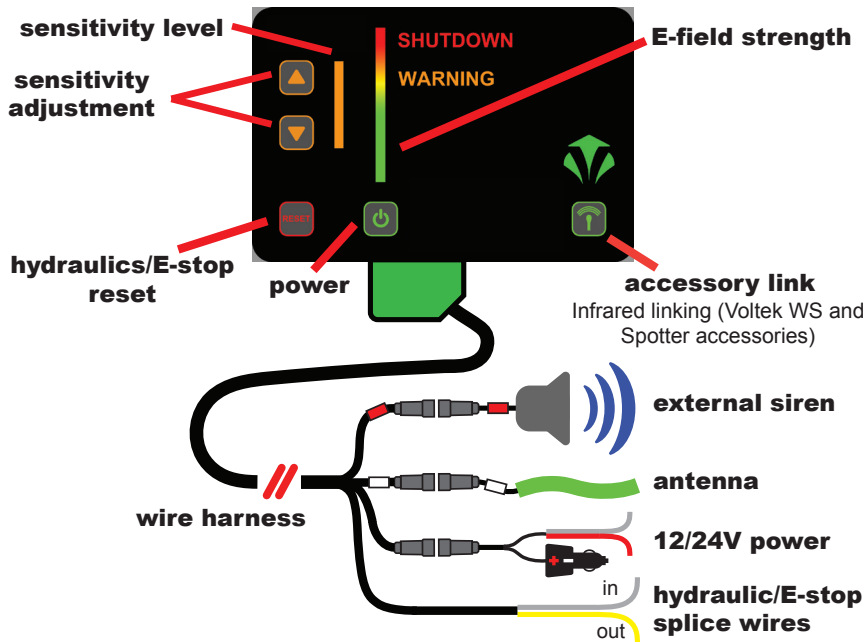
The Voltek NS uses a wire antenna running the length of the boom of your equipment to detect the E-field. Since the strength of the E-field is dependent upon the relative distance from the power line and the voltage carried by the line, the sensitivity of the NS can be adjusted to compensate accordingly.



Understanding E-field

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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