

High Voltage Power Line Proximity Warning System



This solid state electronic safety system provides both audible and visual warning signals to alert the operator and attendant ground personnel when the boom comes within proximity of an energized high-voltage power line.

FEATURES:

System goes to maximum sensitivity when first activated.

The system can be activated automatically at engine start-up, or by use of the power switch on the control panel. Entire length of the boom — from tip to base — is protected. any part of the boom that enters the warning zone will set off the alarm.

Complete system test function tests and confirms the alarm sensing circuitry, antenna, alarm horn, and alarm light. The operator can test the entire system anytime he desires.

No false alarms due to external interference.

Provides warning of lightening so that operations can be discontinued until the electrical storm has passed.

Simple adjustment of warning zone. The operator doesn't need to know voltage in the power line. The system can be used to confirm power line shut off.

Easy Installation.



Why Risk It!

High Voltage Power Line Proximity Detector



The high voltage proximity detector is designed to alert mask and boom vehicle operators to the danger of contact with a live power line, the result of which could easily cause injury, death or damage to equipment.

FEATURES:

- Wireless E-field detection in 50 Hz and 60 Hz over a wide range of sensitivity.
 - Between 1 and 4 wireless sensors integrated into the network.
 - Optional capabilities to log events to PC/laptop via data port or via wireless link.
- Logs date, time, and warnings given to operator.
- LCD screen on base unit.
- Relay output for each alarm.

- Audio warning tones.
- Optional speech synthesizer module.
- Adjustable limits for warnings. Default level on switch-on is maximum sensitivity.
- 12/24 Volt operation for base unit.
- Continuously 'on' system for remote users.
- Environmentally resistant to moisture, shock and heat.
- Self-checking for network and communications status.
- Flash upgradeable firmware in base unit.
- Small size single module.

High Voltage Power Line Proximity Detector



OPERATOR PANEL



SPEAKER



ANTENNA 1

REMOTE PANEL



ANTENNA 2

POWER IN

ALARM RELAYS

WARNING RELAYS

ALWAYS ON RELAY

When installed on a mobile crane or other heavy equipment, the ASE Model 2200L provides a warning and alarm sound, and a voice annunciation whenever the equipment is in close proximity to a high voltage line. The device also includes automatic self diagnostics and warns the operator if the unit should fail for any reason.

FEATURES:

- Graphic display screen
- Amplified loudspeaker
- Up to two antennas
- Blinking alarm display
- Automotive style fuses
- Watertight construction
- Blinking warning display
- Numeric electric field indication
- Swivel mount on operator panel
- Numeric electric field
- Swivel mount on operator panel
- Numeric alarm setpoint indication
- Voice message if any faults occur

- 12VDC or 24VDC voltage supply
- Automatic antenna continuity checking
- Alarm relays - one relay energizes - other relay de-energizes
- Always on relay - remains energized when panel is energizes
- Warning relays - one relay energizes - other relay de-energizes
- Raise and lower pushbuttons to raise and lower alarm setpoint
- Configuration - Allows selection of warning setpoint

- Configuration - Selects alarm only at alarm and warning
- Configuration - Allows partial muting of alarm sound and message
- Configuration - Allows power pushbutton to partially mute speaker
- Configuration - Allows partial muting of warning sound and message
- Configuration - Warning and Alarms in English or Spanish and English



Product Applications

The SIGALARM system is at home in many working situations. Below you will find the most common applications for SIGALARM. If you have questions about using SIGALARM in a different application, just send us an email.

Construction:

Heavy equipment such as cranes, power shovels, concrete pumps, and dump trucks.

Utility Companies:

Aerial towers and platforms.

Fire Departments:

Snorkel units, aerial towers and platforms, aerial ladders.

Railroads:

Locomotive cranes and railroad wreckers.

Signs (Billboards):

Telescoping arms and booms.

Television Broadcast vehicles - with telescoping mast.

Other:

Farm equipment, portable drilling rigs, house movers, and truck-mounted "A" frames.

Just about anything that can reach the power lines.

Dear Customer:

Thank you for your commitment to safety. Sigalarm has compiled a 41 year history of proven customer satisfaction. We look forward to working together with you in reducing unnecessary power line contacts.

There is no excuse; power line contact is a known problem. The loss of life and property is enormous. Existing safeguards are just not enough. i.e. De-energizing lines, insulated barriers, spotter's, warning labels, and maintaining minimum clearance distances. OSHA has investigated hundreds of power line accidents with these existing safe guards in place.

Employer's, Employee's and Manufactures fall under different legalities. Manufacturers contend that they build safe products and therefore responsibility should be placed somewhere else. i.e. the employee or employer who must recognize the danger and/or provide adequate protection. However, few people realize that humans have been proven to have difficulty correctly judging the depth perception between power lines and booms or mast. This is where the Sigalarm proximity alarm provides the added protection, which is to electronically back up a trained operator who might not realize how close he or she has gotten to a power line. Thousands of units have been sold worldwide in numerous Industries and we have documented units in the field well over 20 years.

With your help we can save lives, property and reduce the chance of costly litigation. I thank you for joining our satisfied customers around the world, who have enjoyed the peace of mind, knowing that they have a Sigalarm Proximity Alarm installed and operating.

On 10-09-08 OSHA published the revised Crane and Derricks Standard 29 CFR Part 1926 in the federal registry. Proximity alarms and Insulated links will be part of a menu of options recommended if any part of a crane can encroach within 20 feet of a high voltage line. Both of which offer unique operational benefits and are priced to be economically advantageous.

Insulated links will be required if working within Table A Red Zone.

We are willing to compromise on everything but Quality, Integrity, and of course Safety.

Cordially,

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CEO



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