



SMART SOLUTIONS
FOR A SAFE GRID

SIGALARM®

SIG-LITE

WARNING SYSTEM AROUND OVERHEAD POWER LINES

Increases safety for operators and the surroundings when working near overhead power lines. The system detects the electrical field from the power line and provides clear warning levels in good time.



SIG-LITE CONTROL UNIT

Installed in the cab

FUNCTIONS IN THE CAB

- Green: Normal mode – safe distance
- Yellow: Warning – get away from the line
- Red: Danger – stop immediately
- Clear audio and LED indication
- Relay outputs for warning and danger – can be connected to external warning lights or machine control systems
- Resume movement or stop (via integration with machine control)



IP66

Rated sensors and electronics



1 year warranty

With optional extension to up to 3 years



Detection range voltage

From 7.2 kV and up



Detection distance

4.5 – 6 meters
(at 7.2 kV and 13.5 kV)



Compact and robust

Easy to install and suitable for different machines



Up to 40 hours

Battery life without sunlight (solar-powered battery)

AREAS OF APPLICATION



Power utilities



Telecom



Construction & civil engineering



Mining

*Safer people
Stronger society*

HOW SIG-LITE WORKS

NORMAL MODE

The machine is at a safe distance.



SAFE DISTANCE
(example)

WARNING MODE

The machine is getting closer to the power line. The driver receives a warning.



WARNING ZONE
(example)

DANGER MODE

The machine is too close to the power line. The driver receives a clear warning and must stop.



DANGER ZONE
(example)

Note: Distances are affected by voltage level, frequency, line configuration, environment and machine size.

SENSORS

Two wireless, solar-powered sensors are mounted at the highest points on the machine or at other locations close to the power line.



MOUNTING OPTIONS FOR SENSORS

Sensors can be mounted with the following brackets or with adhesive tape.



SIG-LITE SENSOR
(solar-powered)



MAGNETIC MOUNT
(optional)



PROTECTIVE CAGE BRACKET
(optional)