SIXTH SENSE™

BY ILLUMAGEAR™

USER GUIDE

PERSONAL VOLTAGE, CURRENT & FALL DETECTION

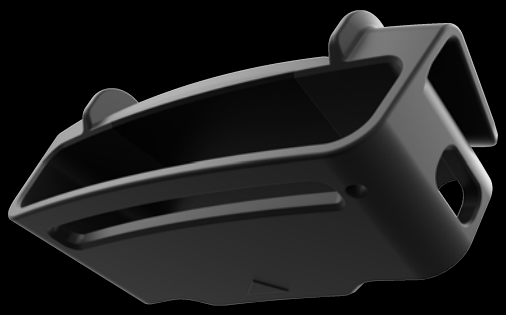
ACTIVE SAFETY FOR YOUR TEAM

Introduction

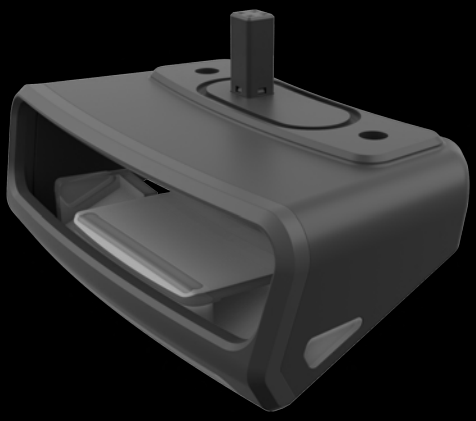
Sixth Sense by ILLUMAGEAR is a personal voltage, current and fall detector. It is designed to fit on any hard hat via the hard hat clip or integrated with our flagship product, HALO SL, via the included port. This device alerts users when they approach an electrified source via an onboard sensor that detects electromagnetic fields. It provides an extra level of safety for personnel trained in the use and application while working on or near high voltage systems.

Included Items

Sixth Sense



Hard Hat Clip



Halo SL Port

Wall Plug

Charger Cable

2mm Hex Key

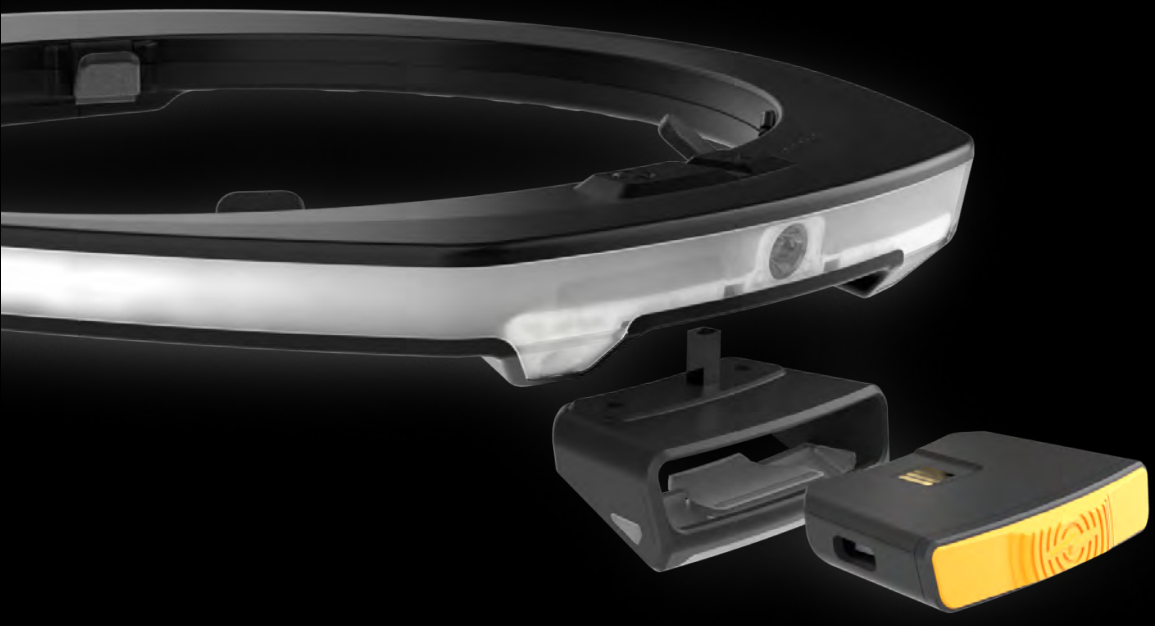
How to Wear Sixth Sense

On Hard Hat

Sixth Sense can be worn on the underside brim of a hard hat, with the included hard hat clip, directly in front of the user's face. Make sure the unit is within the user's field of peripheral vision to maximize the visibility and effectiveness of voltage and current alerts.

With Halo SL

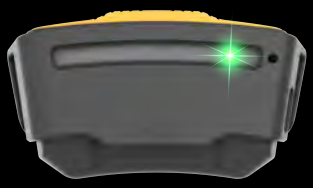
Sixth Sense can also be integrated into Halo SL, combining both solutions. Halo SL is a 360 degree personal safety and task light designed to fit on any standard hard hat. Please visit illumagear.com to learn more.



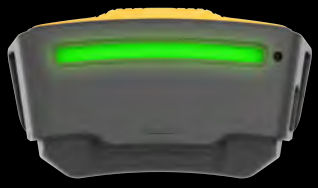
Sixth Sense's Visible and Audible Alerts

When used properly, Sixth Sense can provide a critical warning to those working in dangerous electrical environments, possibly preventing serious injury or even death. Sixth Sense's visible and audible alerts provide the user an early warning of the presence of a high voltage source, which allows the user to take the precautions necessary to avoid contact with dangerous energized equipment. If no high voltage source is being detected Sixth Sense is silent. As the user first enters an electromagnetic field, Sixth Sense will beep slowly and show a yellow alert. If the user continues to approach the high voltage source, Sixth Sense will beep faster, continuing to flash yellow, until it shows a red alert and sounds a full alarm.

On Device Visible Alerts



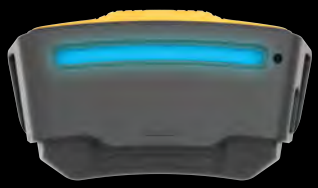
Single Green Blip: Device is On



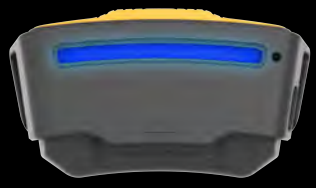
Green Flash: Self Test

Yellow: First Alert (Voltage)

Red: Full Alarm (Voltage)



Light Blue: First Alert (Current)



Dark Blue: Full Alarm (Current)

Voltage and Current First Alert Detected

Voltage and Current Full Alarm Detected

Single Red Blip: Low Power

Operating Instructions

Power on

Press Sixth Sense button. 4 white LEDs will turn on and a start up chime will play. 1-4 white lights will flash to indicate current battery life.

Silent Mode/Loud Mode

When Sixth Sense is on press button one time to enter silent mode. Press again to return Sixth Sense to loud mode.

Change Sensitivities

With Sixth Sense off, press and hold the button and keep holding the button after the power on cycle begins. You will then see 1-4 red LEDs indicating the voltage sensitivity setting. Press the button to cycle through the red LEDS to select the voltage sensitivity with 1 indicating least sensitive and 4 indicating most sensitive. Long press the button to save your selected voltage sensitivity. You'll now see 1-4 blue LEDs for current sensitivity. Follow the same steps to select and save current sensitivity.

AutoSense On/Off

With Sixth Sense on, press and hold the button and keep holding the button after the power off cycle begins. 2 center yellow LEDs will begin to flash. AutoSense is off if 1 red LED is flashing. AutoSense is on if 1 green LED is flashing. You can cycle between on and off by a short press of the button. To save the desired setting long press the button. The unit will power off. Power back on to use the device.

Power off

Hold down the Sixth Sense button. The power down chime will play and 4 white LEDs will fade to off.

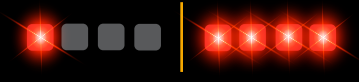
Charge

Place USB cable into Sixth Sense charging port. Yellow LEDs will flash across the display to indicate device is charging. When fully charged 1 single green LED will blink.

Self Test

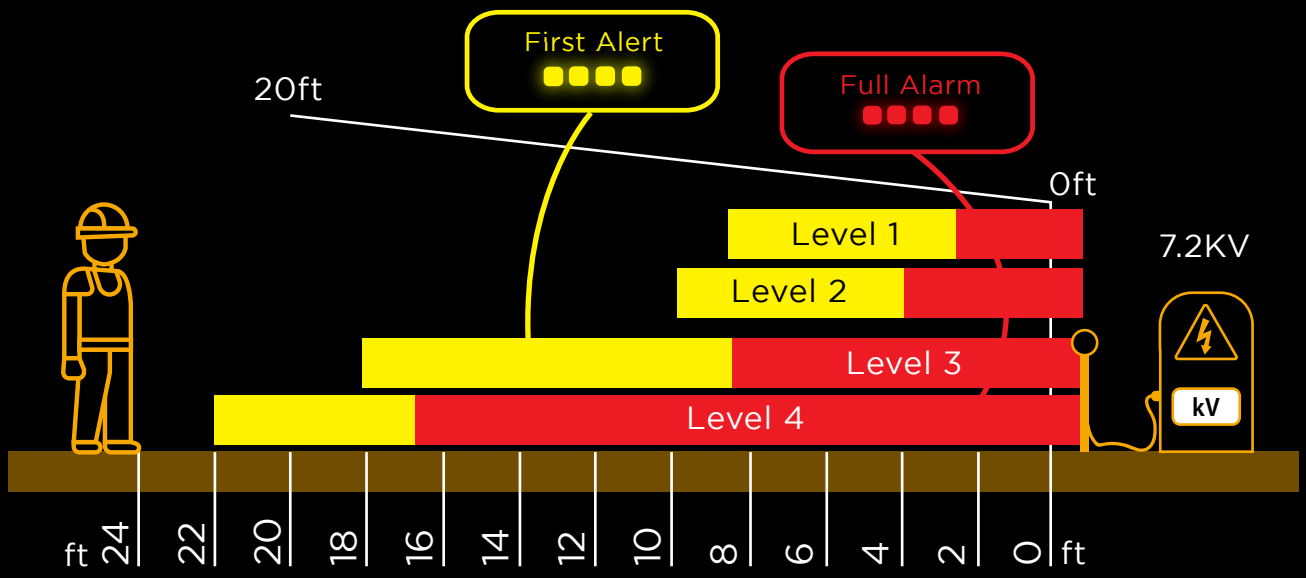
Every 10 minutes Sixth Sense will perform a self test. During each self test 4 green LEDS will quickly flash once.

Low Power

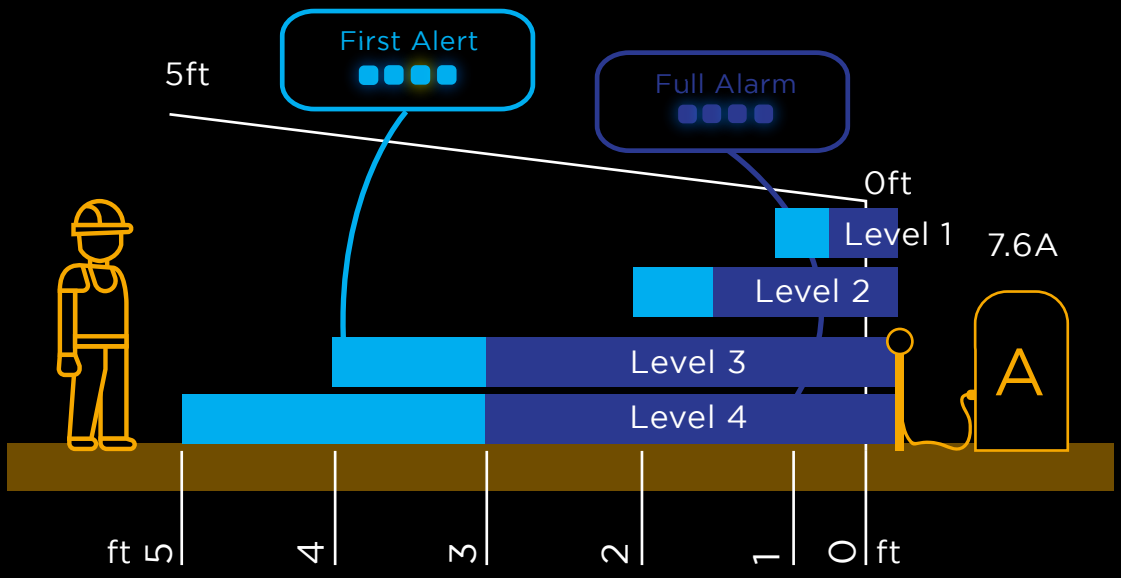


When Sixth Sense is running low on power the device will flash 1 red LED every 5 seconds instead of the green LED flash. When Sixth Sense is completely out of power the device will flash all 4 red LEDs ten times and power off.

Voltage Alert Distance



Current Alert Distance



AutoSense Mode

AutoSense is designed for environments in which electromagnetic fields are common and known to exist. AutoSense is capable of detecting these common fields and will respond by pausing, it's alerts after the initial alert, as long as the user is not moving closer to a high voltage source. If the user does move closer to a detected source of dangerous high voltage, Sixth Sense's alerts will resume.

- After 3 seconds in a constant field, AutoSense adjusts by automatically pausing Sixth Sense's alerts.
- Once AutoSense has recognized a constant field and paused alerts 2 middle LEDs will periodically flash yellow, but the user should remain aware that a potentially dangerous field strong enough to trigger an alert is nearby.

AutoSense Mode: 2 LEDs Flash Yellow When in Electromagnetic Field

Safety Comments

- Sixth Sense should be used by trained and qualified employees.
- Always use ALL proper protocols, including wearing proper protective equipment, when working near high voltage equipment or conductors.
- Extreme humidity may decrease voltage and current detection ranges.
- Do not rely on Sixth Sense as your sole source of high voltage detection.
- Never contact high voltage with Sixth Sense.
- Always use proper high voltage protocols for testing and grounding.
- The orientation of Sixth Sense can have a noticeable effect on its sensitivity to electrical fields. The human body is a good electrical conductor, and thus it sometimes distorts or blocks fields. Properly grounded equipment can still appear to be live when it is in close proximity to energized conductors.
- Before use always verify that Sixth Sense is on and working properly.

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