

# eLert

Use Protective proximity alarm near high-voltage electricity sources to keep personnel safe. Retrofit most electrical compliant safety helmets without affecting the normal usability of the helmet. Alert linesman, electricians, maintenance workers within dangerous proximity to high-voltage electrical sources

# Electrical Safety Wearable



Detect HV  
electricity  
sources



Reduce risk  
of electric shock



Help prevent  
injury or  
death



Personal  
hazardous  
proximity alarm



Retrofit most  
electrical  
compliant safety  
helmet

Free from interference from  
radio and other devices  
Two year operational battery life  
Reduce risk and improve  
workflow efficiency  
Excellent reliability in personal  
safety  
IP67 weatherproof and  
waterproof sensor

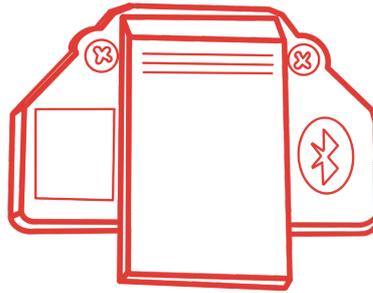
# Personal Electrical Protection



**PROTECTIVE**  
ENGINEERED SAFETY



# eLert Electrical Safety Wearable



## eLert Wearable

The eLert Electrical Safety Wearable features Patent Pending detection technology which combines industry proven hardware to detect a range of high-voltage power hazards.

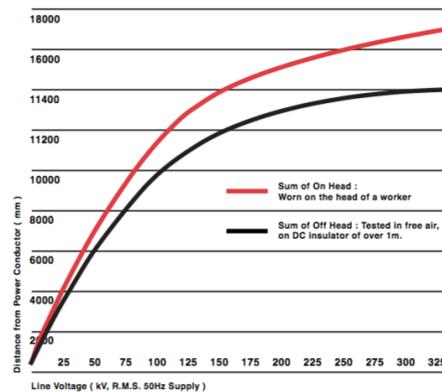
eLert uses a proprietary non-contact capacitive technology, a significant improvement on the technology which has been in the industry for over 30 years.

eLert Safety Wearable determines proximity and risk of contact by utilizing a microprocessor-controlled filtering with an amplifying system.

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## Safety eLert

AC Detection Distances: 1kV - 330kV



**The Capacitive sensing system allows the eLert Safety Wearable sensor to detect live conductors even if there is no current flowing.**

## Technical Specifications

**Detection Type:** Microprocessor Filtered Capacitive Non-Contact Voltage Detection

**Detection Voltage:** 415 V to 500 kV  
50 Hz / 60 Hz Alternating Current

**Detection Distance:** 200mm – 5 metres based on voltage

**Output:** 68dBa buzzer inside the helmet

## Effective Range

Electrical Safety Wearable sensors will detect the presence of Alternating Current conductors at:

**50 or 60hz in Voltages of 415V to 500Kv and at distance up to 5 metres.**

## Safety eLert

AC Detection Distances: 1kV - 50kV

