



PERSONAL VOLTAGE & CURRENT DETECTOR

PRIMARY FUNCTIONS

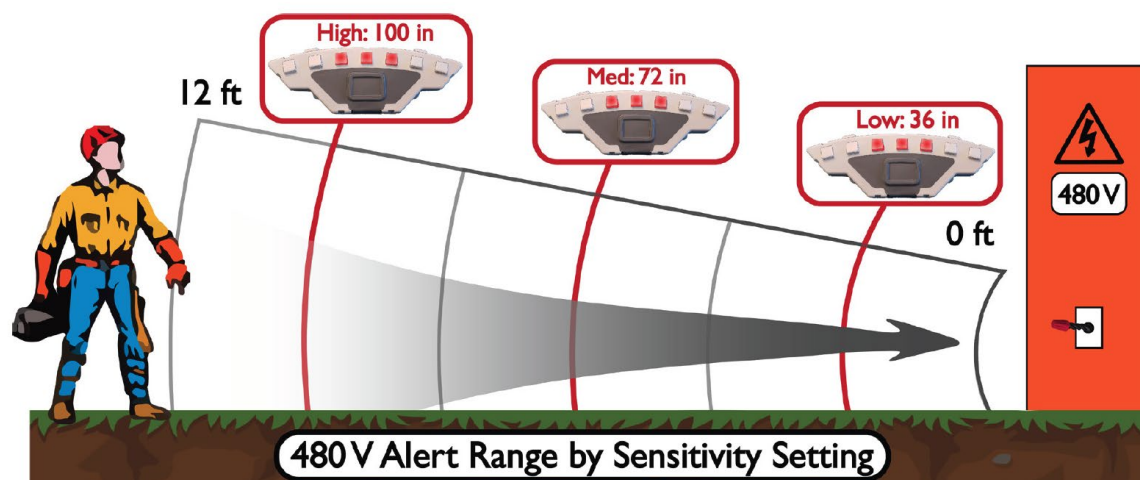
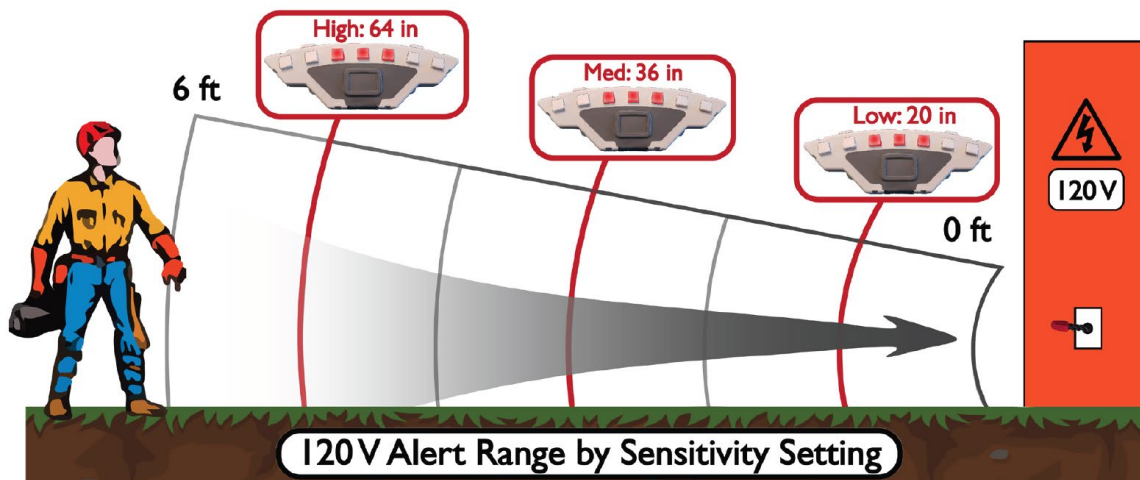
- Identify live conductors.
- Detect residual or induced voltage.
- Identify energized lines after power outages.
- Detect energized threats after accidents and disasters.
- Find energized lines underground or behind non-ferrous material.



DEVICE SPECIFICATIONS P/N: [CE60LV](#)

Size	3.5"x1.2"x.04" (88.9 mm x 30.48 mm x 10.16 mm)-Body.Wt: 0.5 oz (14.2 g)
Operating Temperatures	-29° C to 60° C (-20° F to 140° F)
Power System	Rechargeable Lithium-Polymer (LiPo) Battery (3.7V, 250mAh). Discharge rate varies depending on number of alerts, full charge can last 10+ days (80+ hrs)
Charging	Typically charges to 100% in 1.5 hrs on a USB 2.0 Micro B (5V) charger
Directional Accuracy	Point source: Within $\pm 20^\circ$
Adjustable Sensitivity Levels	Low, Medium, High, Adaptive
Operating Frequency	50 Hz and 60 Hz options are available
Operating Range	120VAC to 600VAC
Detection Voltage Ranges	Low Voltage Model: 120 VAC – 2400VAC RMS Line to Neutral *Detection distances may vary depending on environmental conditions.
Case Ratings	Flame Retardant: UL recognition 94 V-0 at 1.5 mm Electric Strength (IEC 60243-1): 35KV/mm Electric Volume Resistivity (IEC 60093): $1.0E+14$ ohms*m
Certifications	CE (ROHS, WEEE, 2006/66/EU Battery Directive)
Standards	-EMC: EN 61326-1: 2013 Class B, CISPR 11:2015+A1: 2016 Emissions and Immunity for Measurement Equipment -Safety: EN 61010-1: Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use -ANSI/ISEA Z89.1-2014 Class E Hard Hat, Full Brim, Type I; Tested Accessory -Voltage Detectors: ASTM F3283 / F3283M –18; Standard Specification for the Manufacturing of High-Voltage Proximity Alarm to be used for the Detection of Overhead High Voltage Alternating Current (AC) Also meets the following in a controlled environment: -OSHA 1910.269 Table R(6) θ -ground -NFPA 70E 130.4 (C) (a) (5) prohibited approach boundary θ -ground *tested single θ -ground 2400v – 7200v

VOLTAGE DETECTION WARNING DISTANCES



DIRECTIONAL NOTIFICATIONS

When COMPASS has gathered sufficient information to approximate the location of an energized source, the LED alert animation will change from PROXIMITY to DIRECTIONAL mode. In directional mode, the LEDs make a sweeping animation that guides the user's attention to the approximate location of the source.



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