

Always on.
Always aware.
Always safe.



Compass® Personal Voltage and Current Detector

Maximize your level of safety and avoid electrical contacts with Compass – The industry's first high-tech, customizable, non-contact personal voltage and current detector.

Advanced safety features provided by Compass:

- Provides awareness of electrical threats through loud audible alerts and bright flashing lights in the user's direct line of sight.
- Durable casing built for any work condition – firmly attaches to the underside brim of any hardhat.
- Detection and alerts for both AC Voltage and Current.
- Adjustable sensitivity settings allow Compass to be utilized in virtually any workspace.
- Patented intelligent design which auto-adapts to user's environment.
- Directional notifications allow the user to locate, flag, and avoid electrical threats.
- Rechargeable battery operates for up to 15 days between charges.
- Consistently provides 360° of protection.



COMPASS

Personal Voltage & Current Detector

Due to its advanced customizable settings, Compass can be utilized in virtually any work environment making it ideal for:

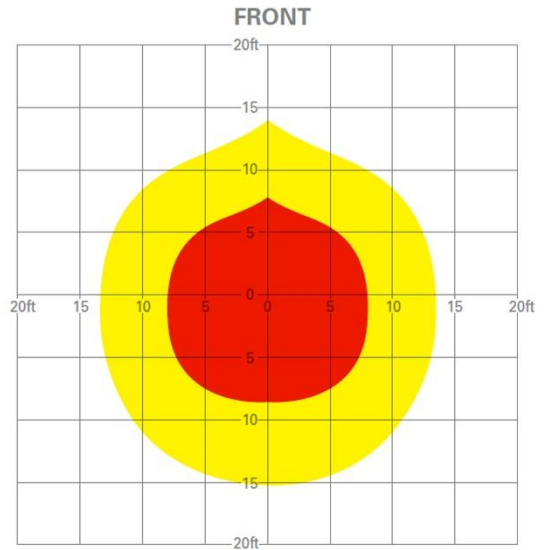
- Line Crews
- First Responders
- Construction
- Utility Contractors
- Telecommunication
- Manufacturing
- Disaster Relief
- Storm Restoration Workers
- Tree Trimmers

Additional benefits and features include:

- Directional and Proximity alerts consistently detect electrical threats 360° around the user.
- Rated to minimum 2.4 kV, detects as low as 480 V on-site or underground.
- Rate of alarms and lights increase as the user approaches energized threats.
- Built in digital self-test to ensure precision performance.
- Low battery indicator when rechargeable lithium ion battery has less than 15% charge. Fully charges within 1.5 hours and lasts up to 15 days between charge.
- Battery enters hibernation mode when no movement is detected after 5 minutes to conserve power consumption.
- Heavy-duty hard case included for easy storage.

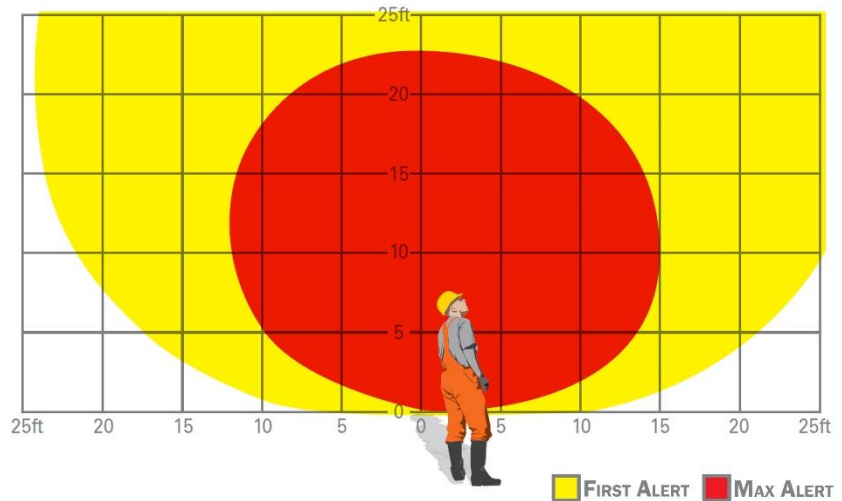
Modeled with a 2.4 kV source with sensitivity set to HIGH.

TOP-DOWN VIEW



BACK

SIDE VIEW



FIRST ALERT MAX ALERT

SENSITIVITY (LIGHTS)	FIELD EXPERIENCE	VOLTAGE DETECTION		TYPICAL WARNING DISTANCES for a Single-Phase Conductor (1st Alert)		
		2.4kV (L-N, RMS)	4.6 kV	4.6 kV	4.6 kV	34.5 kV
HIGH (7)	NONE	12 ft	> 12 ft	> 12 ft	> 12 ft	> 12 ft
MED (5)	LIMITED	8 ft	> 10 ft	> 12 ft	> 12 ft	> 12 ft
LOW (3)	EXTENSIVE	4 ft	> 6 ft	> 8 ft	> 12 ft	> 12 ft
AUTO* (Oscillating)	EXTENSIVE	8 ft*	> 10 ft*	> 12 ft*	> 12 ft*	> 12 ft*



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Compass Specifications

Size	3.5" x 1.2" x .04" (88.9 mm x 30.48 mm x 10.16mm)
Weight	0.5 oz (14 g)
Operating Temperature	-29° C to 60° C (-20° F to 140° F)
Deflection Temperature	270° F
Flame Rating (0.12 in)	V-0 tested to UL 94
Water Resistance	IEC IP4X (Safe when exposed to heavy rain)
Power System	Rechargeable Lithium-ion battery: 120-hour life in rigorous activity (frequent alerts) and 240 hours of non-rigorous activity (minimal alerts).
Charge Time:	1.5 hours
Directional Accuracy	Detects the direction to a source with a minimum accuracy of +/- 10° heading from 8ft. Accurate 360°
Adjustable Sensitivity Levels	Low, Medium, High, Adaptive
Default Sensitivity Level	High
Operating Frequency	50/60Hz
Operating Voltages	2400 VAC (Minimum) to 35.4 kVAC RMS Line-to-Neutral
Case Material	Flame Retardant Carbotex K-30FR Polycarbonate
	Electric Volume Resistivity: 1.0E+16 ohms•cm, Dielectric Strength: 510 V/mil
	Dielectric Constant: (1 MHz): 2.9, Arc Resistance: 110 sec.
	Flame Rating (0.12 in): V-0 tested to UL 94
Dielectric Strength	510 V/mil
Dielectric Constant	(1 MHz): 2.9
Arc Resistance	110 Sec.
Ports	Common 5V USB 2.0 Micro B charge point access
Included in Case	Compass: Personal Voltage and Current Detector, Quick Start Guide, USB Charging Cable, Safety Instructions

