

# COMPASS® PRIMARY FUNCTIONS

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

## DEVICE SPECIFICATIONS

<b>Size</b>	3.5"x1.2"x.04" (88.9 mm x 30.48 mm x 10.16 mm)-Body. Wt: 0.78 oz (22.1 g)
<b>Power System</b>	Rechargeable Lithium-Polymer (LiPo) Battery (3.7V, 250mAh). Discharge rate varies depending on number of alerts, full charge can last 10+ days (80+ hrs)
<b>Charging</b>	Typically charges to 100% in 1.5 hrs on a USB 2.0 Micro B (5V) charger
<b>Directional Accuracy</b>	Point source: Approximately ±20°
<b>Detection Sensitivity</b>	Seven sensitivity levels + Smart Adaptive mode.
<b>Operating Frequency</b>	50 Hz and 60 Hz options are available
<b>Operating Conditions</b>	-20°C to 60°C (-4°F to 140°F): DO NOT charge Compass if <0°C (32°F) RH: Max. 90% Non-Condensing @25°C.
<b>Detection Voltage Ranges</b>	High Voltage Model: 2400VAC-35kVAC RMS Line to Neutral, up to 500 kVAC Low Voltage Model: 120 VAC – 2400VAC RMS Line to Neutral *Detection distances vary depending on conditions, settings, and model.
<b>Enclosure</b>	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 Rated IP-67
<b>Compliance</b> This section lists the EMC (electromagnetic compatibility), safety, and environmental compliance standards with which the product complies .	<p><b>EMC Compliance</b> EU Directive 2014/30/EU Electromagnetic Compatibility (EMC) -EN 61326-1:2013 -EN 55011:2016+A11:2020 (CISPR 11:2015+A1:2016+A2:2019) -EN 61000-4-2:2009 (IEC 61000-4-2:2008) -EN 61000-4-3:2006+A1:2008+A2:2010 (IEC 61000-4-3:2010) -EN 61000-4-8:2010 (IEC 61000-4-8:2009)</p> <p><b>Safety Compliance</b> -ANSI/ISEA Z89.1-2014 - Class E Hardhat, Full Brim, Type 1; Tested Accuracy.</p> <p><b>Environmental Compliance</b> Directive 2011/65/EU (RoHS 2) Directive 2015/863/EU/ (RoHS 2 amendment) -EN IEC 63000:2018 Directive 2006/66/EC (Battery RoHS) Directive 2012/19/EU (WEEE)</p>
<b>Conformance</b> (to other standards)	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)