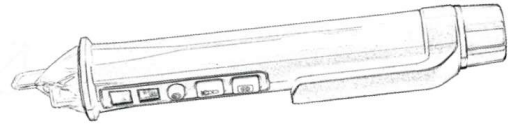


## Non-contact AC Voltage Detector

### Features

- Non-contact AC Voltage detection.
- Audible and LED indication.
- High and low Voltage sensitivity range selection.
- Integrated white LED flashlight, auto power-off.



### Safety Instructions

1. These instructions should be read carefully and retained for future reference.
2. To ensure the voltage detector is in a good working condition, test its functions on a known stable power supply.
3. Take extra precautions when working with voltages above 30V rms AC.
4. Do not use the voltage detector to test voltages that exceed the values marked on the product.
5. The detector senses the electric field generated by supply voltage to give indication of the presence of the voltage. If the electric field strength is weak, the detector may not indicate the presence of voltage. The detection of voltage may be affected by several factors including but not limited to: shielded wire/cables, thickness of insulation, distance from voltage source, test environment etc.
6. Never dispose of batteries in a fire and never attempt to recharge ordinary batteries.

### Environmental Instructions

This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment and batteries should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.

### Operating Instructions

#### Powering the device on and off

- Press the power button on the AC voltage detector to turn it on. The voltage detector will beep once, along with a single flash from all the indicators (flashlight, signal intensity indicator and the voltage intensity indicator), indicating that the product has entered the default AC voltage sensitivity detection mode.
- To turn off the voltage detector, press the power button and the power indicator will turn off.  
**Note:** If the voltage detector is on and left idle, it will automatically turn off after 5 minutes to preserve the battery life.

#### AC Voltage sensitivity range selection

- The sensitivity button can be used to switch between low and high voltage sensitivity detection modes.
- Low: The detector is factory set to low sensitivity mode (48-1000V). In this mode, the sensitivity button backlight remains OFF.
- High: On pressing the sensitivity button, the RED backlight lights up. This indicates high sensitivity detection mode (12-1000V) is active.

#### Operating the flashlight

- The flashlight can be turned on by pressing the flashlight button. To turn off the flashlight, press the flashlight button again.  
**Note:** If the voltage detector is left idle with flashlight on, the flashlight will turn off after 5 minutes to preserve the battery life.

#### Detecting the AC voltage

- To detect an AC voltage, move the non-contact probe at the front of the voltage detector closer to the voltage source. The Red LED indicator will start flashing, and the buzzer will start to beep to indicate presence of the voltage source. Continuous beeps and flashing indicate the strong electric field of the voltage source. The signal intensity indicators display will light in relation to the strength of the electric field of the voltage source. A flashing Green LED indicates weak (low) AC voltage signal intensity. A constantly on Green LED indicates medium signal intensity and a constantly on RED LED indicates strong (high) signal intensity.

#### Distinguishing between Neutral Live wires

- Occasionally, the sound and LED indication from the voltage detector may not be sufficient to distinguish between live and neutral wires due to the electrical interference caused by the socket design and surrounding wires. Live and neutral wires can be distinguished through the intensity of the voltage signal detected. Live wires signal intensity is strong and neutral wires have a weak signal intensity.
- Additionally, if the live and neutral are too close to each other or are twisted, separate them as far as possible. If the wires can't be separated, distinguish them through the intensity of voltage signal detected.

### Replacing the Battery

Unscrew and remove the battery cover to access the drained batteries. Remove the used batteries and replace with new 2x1.5V AAA batteries. Finally, screw the battery cover back in position.

Note: When the series voltage of the batteries falls below 2.3V, the detector will automatically turn off. Please replace the batteries.

### General Specification

Voltage Test Range	12-1000V AC 50 Hz	Operating Conditions	0°C - 40°C @ <80%RH
Measurement Category	CAT III 1000V	Storage Conditions	-10°C - 50°C @ <80%RH
Battery Type	2x1.5V AAA (included)	IP Rating	IP54
Battery Life	Continuous use - 6 hours Standby life - 1.5 years approx.	Compliance	BS EN 61010-1,12-030