

**Warranty:** If this unit fails during the warranty period, contact Tii Customer Service to authorize return. Unit may be returned prepaid.



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**Model NCVD**  
Non-Contact Voltage Detector



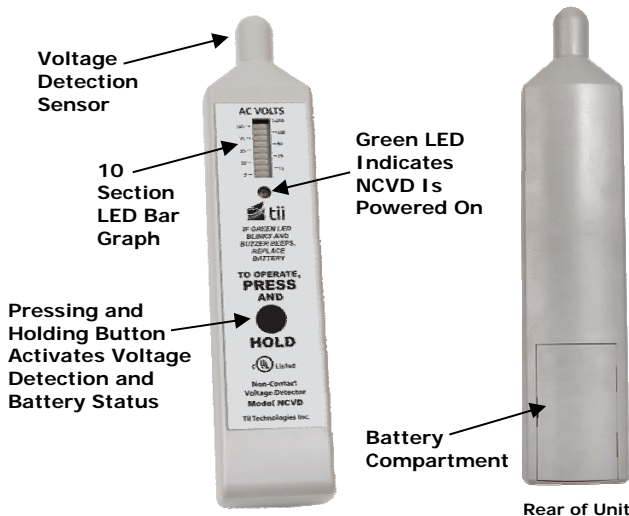
## Operating Instructions

### Description

1. The NCVD is used to detect the presence of hazardous AC voltages on cables in its vicinity without requiring electrical contact. A bar graph display indicates the level of voltage being detected by the NCVD. A Green LED indicator and audible alarm alerts low battery and the need for replacement. An optional conductive grounding cap can be used in conjunction with a grounding wire to avoid any stray voltages that may create a shock hazard.

2. Position the voltage detection sensor close to the cable where hazardous AC voltage is suspected. As the device begins to detect AC voltage, Red LEDs will illuminate from the bottom up. Detected voltage is clearly marked on the sides of the bar graph, beginning at 9 Volts and increasing to greater than 200 Volts.
3. If the AC voltage detected is in excess of 50 Volts, a continuous audible alarm will sound, alerting the user of the presence of hazardous AC voltage presence.
4. To operate the NCVD with the optional grounding cap, install the cap on the bottom of the unit with one end of the grounding wire attached to the head of the cap and the other end to a verified ground (Figure 1).

### Features



### To Operate The NCVD

1. Press and hold the test button. The 10 segment LED bar graph will illuminate momentarily, then extinguish. The Green LED will be lit solid as long as the test button is engaged.



Figure 1

### Caution!

When the test button is pressed and the bar graph does not illuminate, the device will emit intermittent beeps while the Green LED indicator flashes. This signals that the battery is depleted and needs replacement.

## Battery Replacement

1. The battery compartment is located at the rear of the NCVD. Place small flat blade screwdriver in battery cover slot and pry battery cover upward. \*Replace with 9 Volt alkaline battery.

### NOTICE

For extended use or storage, remove battery from battery compartment.

### NOTICE

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

### NOTICE

Cleaning of the equipment is not recommended. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

## SPECIFICATIONS

Technical	
Range	0 to >200 VRMS
Voltage Sensing	AC only
Detection Frequency	50 to 150 Hz
Display	10 Segment LED Bar Graph, Log Response
Audible Warning	>50 VRMS Sensed Voltage, Approximately 75 dba @ 1 Ft.
Size	1.7" x 0.9" x 7.8"
Weight	4.75 Ounces
Battery Type	9 Volt Alkaline* <i>*not included</i>
Battery Life	> 12 hours when idle and bar graph LED not activated
Environmental	
Operating	-20°C to 50°C at 10% to 95% RH, non-condensing
Storage	-40° C to 85°C at 0 to 100% RH, non-condensing
Standards Compliance	cUL Listed

## ORDERING INFORMATION

Model #	Description
NCVD	Non-Contact Voltage Detector
NCVD/NCVDP	NCVD with Leather Tool Belt Pouch
NCVD/NCVDPC	NCVD with Leather Tool Belt Pouch and Conductive Cap

## ACCESSORIES

Model #	Description
NCVDP	Leather Tool Belt Pouch for NCVD
NCVDC	Conductive Cap for NCVD
NCVD-GND40	40' Retractable Ground Cord