



# **User Manual**





Before using the instrument, please read this manual carefully, and save for future reference.

Warning. 🛕

To avoid possible electric shock or personal injury: Please read the instruction manual carefully before use and strictly observe the safety rules and warnings listed in the instruction manual.

- If the Voltage Detector is not used according to the instructions the protection function provided by the NCVD (Non-Contact voltage detector) may be affected and invalidate any warranties.
- Do not use if the LED display is not illuminated green when switched on.
- Before using the Voltage Detector, always test on a known power supply to ensure it's in good working condition.
- Always check the Voltage Detector before use to ensure there is no damage. Never use the equipment if any parts are damaged.
- Do not use the detector on voltage exceeding the marking on the Voltage Detector.
- Extra care should be taken when working with voltages above 30V, due to the risk of electric shock.

 When using the Voltage Detector, if the tip does not illuminate or no beeping sound,voltage could still be present. Voltage Detector indicates active voltage in the presence of electrostatic fields of sufficient strength generated from the source (Mains) voltage. If the field strength is weak the Voltage Detector may not provide indication of live voltages. The existence of voltage may be affected by several factors including but not limited to shielded wires / cables, thickness and type of insulation, distance from voltage source, differences in socket design / recessed sockets, condition of the Voltage Detector and batteries.

Safety symbols		
Â	Indicates important safety information	
	Equipment protected by throughout by double insulation or reinforced insulation	
CE	Conforms with European Economic Area directives	
CATIII	For measurements performed at the source of the low- voltage installation and outside lines	

#### Specification

Environment condition of using			
Operating Temperature	0~40°C		
Storage Temperature	-10~50°C		
Humidity	≤ 80%		
Battery	2 x 1.5V AAA		

General technical specifications			
Operating Voltage	AC Voltage: 12~1000V (50/60Hz)		
High Sensitivity	12 ~ 1000V		
Middle Sensitivity	48 ~ 1000V		
Low Sensitivity	Distinguish the Live & Neutral		
CAT III	1000V		

## Turn NVCT Functionality On:

- 1. Press and release the power / sensitivity button.
- 2. Listen for single-beep sound and watch for the green LED to illuminate and remain lit indicating the unit is powered on.

## Turn NVCT Functionality Off:

- 1. Hold and release the power / sensitivity button.
- 2. Listen for double-beep sound and watch for the green LED turn off.

## AC Voltage Detection:

- 1. Prior to use, test on known live circuit to verify tester functionality.
- Place tip of tester near AC voltage. If voltage is sensed, the unit will emit audible beeps and the proximity sensor will indicate strength of voltage detected.

## Auto Power Off:

- After 3 minutes of non-use, the NCVT tester automatically powers off to conserve battery life.
- 2. Upon power off, the unit will emit a double-beep sound and the green LED will turn off.

## How to use as live / neutral detector:

When tester is used to test for live / neutral the tester will beep and proximity sensor will illuminate on detection of Live terminal / receptacles.

#### Turn Flashlight On/Off:

1. Press and release "Flashlight" 😨 button to turn flashlight on or off. After 3 minutes of non-use, the flashlight will automatically off to conserve battery life.

#### Adjust Sensitivity:

- 1. Press and release the power / sensitivity button.
- Press the power button / sensitivity one time and one LED light up to enter the LOW sensitivity.
- 3. Press the power / sensitivity button a second time and two LED light up to enter the MIDDLE sensitivity.
- 4. Press the power / sensitivity button a third time and three LED light up to enter the HIGH sensitivity.
- 5. When you set the sensitivity in the previous operation, the sensitivity will be same as the previous setting when you power the detector on again.

#### Low Battery Indication:

- 1. When the battery drops to approximately 2.4V, the green LED will turn red LED.
- When the battery drops to approximately 2.1V, the detector will automatically power off.

#### **Battery Replacement**

- 1. Rotate the battery cover anti-clockwise then remove the old batteries.
- Install the new batteries according to the positive and negative instructions on the underside of the detector.

Warning:

To avoid electric shock, the battery cover should always be replaced before checking any voltage.

#### Limited warranty

1 year warranty against any manufacturing defects or faulty workmanship. This warranty does not cover fuses, disposable batteries or damage from accident, neglect, misuse, alteration, contamination or abnormal conditions of operation or handling.



WEEE Directive 2012/19/EU At the end of the product life, dispose of the instrument & batteries in a corresponding recycling centre. Do not dispose of the unit with the usual domestic refuse.

Do not burn the product.



Arctic Hayes Ltd 9 Millshaw Park Ave | Leeds LS11 0LR | United Kingdom sales@arctic-hayes.com www.arctic-hayes.com +44(0)113 271 5245 Arctic Hayes Ltd Ipco B.V, Spinel 400 3316 LG Dordrecht The Netherlands info@arctic-hayes.eu +44(0)113 271 5245