

CZ20074

**AC Voltage Detector
Adjustable Sensitivity
User Guide**

⚠ Warning:

Thanks for using the CZ20074 adjustable sensitive AC Voltage Detector.

Please note prior to use: read this User Guide carefully and strictly comply with the safety rules and precautions specified in the User Guide.

Please note the following to guard against electric shock or personal injury:

- 1) If there is any damage to the detector or it fails to operate correctly, do not use it. If in doubt, please return the detector for repair.
- 2) Do not expose the detector to voltages in excess of the voltage rating of the detector. This can cause the detector to fail.
- 3) At all times use all recommended and required safety processes and procedures when working in environments with electrical systems.
- 4) Always obey local and national safety codes and practices when working with electricity.

I ELECTRICAL SYMBOL

☐	Dual Insulation
⚡	Be careful! Electric Shock!
⚠	Dangerous! Important! Refer to this User Guide.

CAT IV equipment is intended for protection from transient voltages as described in the EN61010 series of standards.

The product meets:

- EMC:EN61326-1:2006
- LVD:EN61010-1:2010 EN61010-031:2002+A1:2008
- UL: UL61010-1, 2ndEdition, 2005-07-22
- CAN/CSA-C22.2 No.61010-1, 2nd Edition, 2004-07

⚠ Notes:

Do no contact the white part of the front end of the detector with any part of your body including your fingers.

II WORKING VOLTAGES AND CONDITIONS

Working voltage: 50-1000V AC

Working frequency: 50Hz-60Hz

Environment: Working temperature: 0°C~40°C
Storage temperature: -10°C~50°C
Humidity: ≤95%
Altitude: ≤2000m

Indoor application only: Pollution grade: 2

III OPERATION INSTRUCTIONS

1. Startup

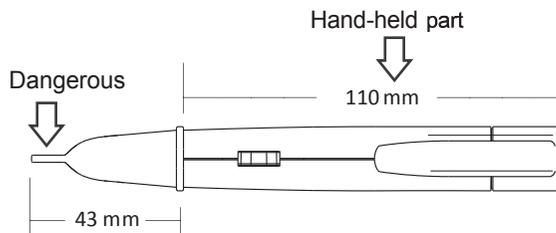
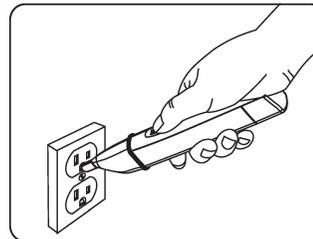
To operate, rotate the sensitivity thumbwheel toward your hand - the buzzer will give two sounds and the LED will flash two times, indicating the successful startup of the detector. When the detector is ready for operation the LED will flash two times in succession with an interval of 1.5 seconds.

2. Test AC voltage

Always test the detector on a known AC power source immediately prior to use on the test object to prove correct functionality. Allow the probe of detector close to the object with AC voltage to be tested. When the detector detects the AC voltage the LED indicating light will flash accompanied by buzzer and vibration. Use this process on the object to be tested. The known AC power source should be retested after completion of testing on the test object to prove functionality again.

3. Adjust induction sensitivity

Induction sensitivity is quite low at the time of startup, and is able to be adjusted by rotating the thumbwheel.



⚠ Notes:

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IV. LOW BATTERY INDICATION

The LED indicating light will flicker once every 1.5s after startup when the battery voltage is low and the buzzer and vibration operation will stop. Do not use the detector if a low battery condition is indicated as incorrect results can be produced.

V. BATTERY REPLACEMENT

Battery: 1x1.5V AAA

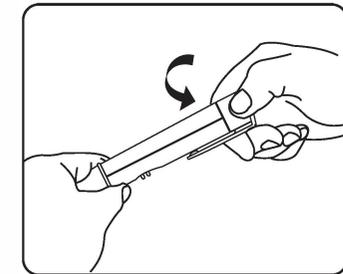


Figure 1

With one hand holding detector body, slowly twist the battery cap counter-clockwise to open the battery compartment.

VI. CLEANING REQUIREMENTS

Clean the instrument with dry cloth.

Note: Do not use the detector unless it is fully dry.

END

This User Guide is subject to change without notice.

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