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Walfront WALFRONT8i6oyk5psn

Walfront AC Voltage Detector Pen User Manual

Model: WALFRONT8i6oyk5psn

INTRODUCTION

The Walfront AC Voltage Detector Pen is an intelligent induction measuring tool designed for electrical testing. It provides a safe and efficient way to detect AC voltage, identify live and neutral wires, and locate line breakpoints. Equipped with an alarm and a built-in flashlight, this device enhances safety and convenience during electrical work.

Key Features:

- **Neutral and Live Wire Judgment:** Supports insulation measurement for clear identification of neutral and live wires.
- **Fast Breakpoint Detection:** Quickly locates line breakpoints for efficient troubleshooting.
- **Intelligent Shutdown:** Features a humanized energy-saving design with automatic power-off.
- **Integrated LED Flashlight:** Provides illumination in dark environments, doubling as an emergency light.
- **Durable Construction:** Made from excellent ABS material, offering impact resistance, scratch resistance, and environmental friendliness.

SAFETY INFORMATION

Always prioritize safety when working with electricity. This device is designed to assist in electrical testing, but it does not replace proper electrical safety procedures. Read and understand all instructions before use.

- Do not use the device if it appears damaged or is not functioning correctly.
- Always assume circuits are live until proven otherwise.
- Wear appropriate personal protective equipment (PPE), such as insulated gloves and safety glasses.
- Do not attempt to measure voltages beyond the specified range of the device.
- Keep the device dry and clean.
- This device is for detection purposes only; do not use it as a substitute for a multimeter for precise voltage measurements.

PACKAGE CONTENTS

- 1 x Walfront AC Voltage Detector Pen (Model: WALFRONT8i6oyk5psn)
- 1 x User Manual (this document)
- *(Batteries may or may not be included, please check packaging)*

SETUP

Before first use, ensure the device has functional batteries. The device is powered by batteries (typically AAA, though not explicitly stated in provided data, it's common for such pens). To install or replace batteries:

1. Locate the battery compartment, usually at the rear end of the pen.
2. Open the compartment cover.
3. Insert new batteries, observing the correct polarity (+/-).
4. Close the battery compartment securely.

Perform a quick test on a known live circuit to confirm proper operation before using it for critical tasks.



Figure 1: The Walfront AC Voltage Detector Pen, showing its compact design and control buttons.

OPERATING INSTRUCTIONS

Follow these steps to use your AC Voltage Detector Pen:

1. **Power On:** Press the power button (usually marked with a power symbol) to turn on the device. The indicator lights should illuminate briefly, and a self-test may occur.

2. **Voltage Detection:**

Hold the pen by its body and bring the tip close to the wire, outlet, or electrical component you wish to test. If AC voltage is detected, the pen will emit an audible alarm, and the indicator lights will flash. The intensity of the alarm and the number of illuminated lights may indicate the strength of the detected voltage or proximity.



Figure 2: Using the voltage detector pen to test an electrical outlet for live voltage.

3. **Live/Neutral Wire Judgment:**

For outlets or cables with multiple wires, carefully bring the pen tip near each wire individually. The pen will typically provide a stronger indication (faster beeping, brighter lights) when near the live wire compared to the neutral or ground wire. This feature aids in distinguishing between live and neutral connections.

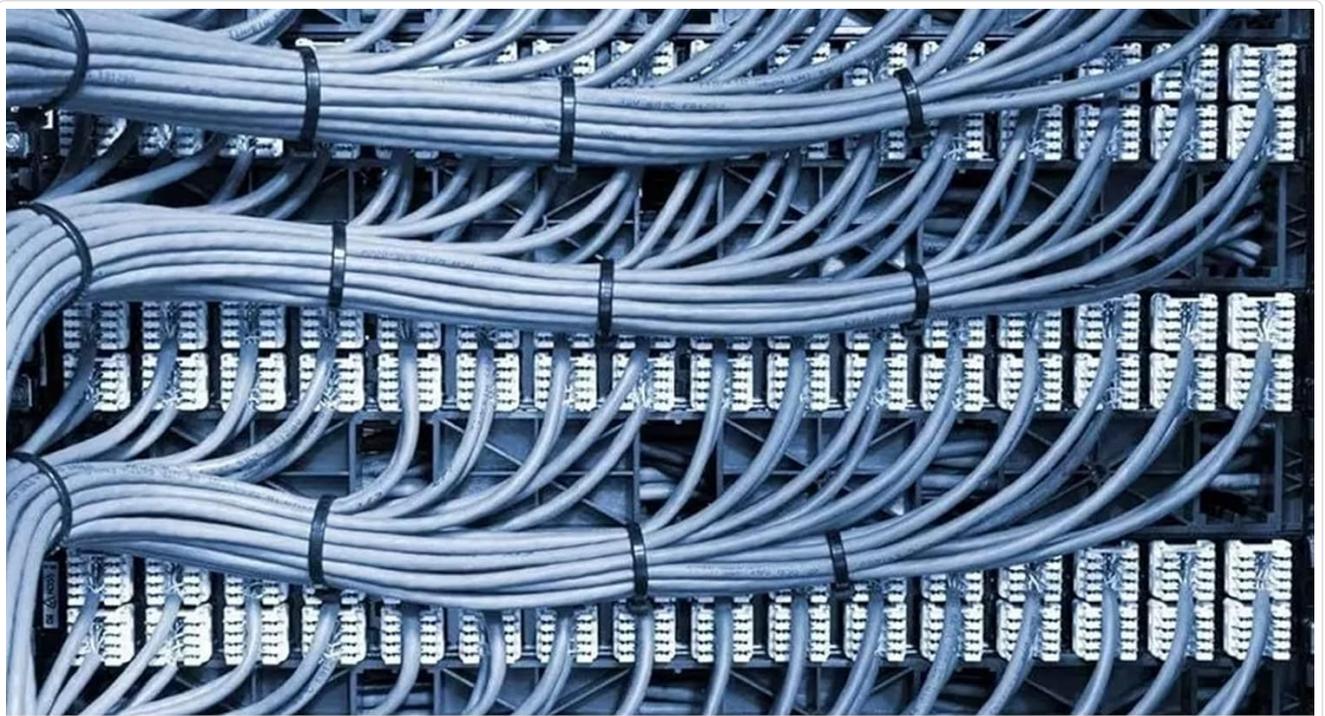


Figure 3: The voltage detector pen being used to identify live wires within a bundle of electrical cables.

4. Line Breakpoint Location:

To find a breakpoint in a live wire, slowly move the pen along the insulated wire. The alarm and indicator lights will cease at the point where the electrical continuity is lost, indicating the breakpoint.

5. Using the Flashlight:

Press the flashlight button (often marked with a light bulb symbol) to turn on the integrated LED light. This is useful for illuminating dark work areas, such as electrical panels or behind appliances.



Figure 4: The integrated LED flashlight illuminating a dark electrical panel, demonstrating its utility in low-light conditions.

- Power Off:** Press the power button again to turn off the device. The intelligent shutdown feature will also automatically power off the pen after a period of inactivity to conserve battery life.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your voltage detector pen.

- **Cleaning:** Wipe the device with a dry, clean cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the pen in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, remove the batteries to prevent leakage.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears or if the device's performance degrades.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Replace batteries, ensuring correct polarity.
No detection or weak signal.	Low battery; distance from voltage source; interference.	Replace batteries; ensure close proximity to the source; test in a less noisy electrical environment.
False positives/constant alarm.	High sensitivity setting; strong electromagnetic interference.	If applicable, adjust sensitivity (refer to specific model features); move away from strong electrical fields.
Flashlight not working.	Low battery; LED malfunction.	Replace batteries. If problem persists, contact support.

SPECIFICATIONS

Feature	Detail
Brand	Walfront
Model Number	WALFRONT8i6oyk5psn
Measurement Type	Volts
Power Source	Battery Powered
Color	Yellow
Material	ABS (implied from feature bullets)
Package Dimensions	16.85 x 1.54 x 1.14 inches
Item Weight	1.76 ounces
Country of Origin	China

WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the product packaging or the seller's website for specific warranty terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact Walfront customer service through their official channels or the retailer from whom you purchased the product. For more information, visit the [Walfront Store on Amazon](#).