

Safety sign for a three-level distribution box

Article Overview

Use a high-voltage warning sign compliant with ISO 7010, clearly indicating electrical hazard for all three levels of the distribution box.

Recommended Sign Features

- o **Symbol and Text:** The sign should feature the internationally recognized high-voltage hazard symbol (ISO 7010 W012) with bold text such as "Danger: Distribution Board" or "High Voltage" to alert personnel to the risk of electric shock or fire .
- o **Color and Contrast:** Use a yellow background with black text and symbol for maximum visibility, consistent with ISO 7010 standards .
- o **Material:** Durable materials like rigid PVC or self-adhesive vinyl are recommended for indoor or outdoor use, ensuring longevity and resistance to wear .
- o **Size:** Choose a size appropriate for visibility at the point of hazard:
 - o A5 (148 x 210 mm) for compact panels
 - o A4 (210 x 297 mm) for standard distribution room doors
 - o A3 (297 x 420 mm) for high-traffic or high-visibility areas .

Placement Guidelines

- o **Location:** Place the sign directly on the distribution box door or panel, ensuring it is unobstructed and visible from all access points .
- o **Height and Orientation:** Position at eye level where possible, and ensure the sign is oriented so it can be read easily by anyone approaching the box.
- o **Multiple Levels:** For a three-level distribution box, consider placing a warning sign on each level or at the main access point to ensure all potential hazards are clearly marked .

Compliance and Safety Considerations

- o **Regulatory Compliance:** Using ISO 7010-compliant signage ensures adherence to international safety standards and local electrical safety regulations .
- o **Panel Clearance:** Maintain at least 3 feet of clearance in front of the distribution box for safe access, as required by electrical codes .
- o **Maintenance and Visibility:** Regularly inspect signs for damage, fading, or obstruction to maintain effectiveness in preventing unauthorized access and accidents . By following these guidelines, a three-level distribution box can be clearly marked to reduce the risk of electrical hazards, ensure compliance, and protect personnel.

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