What size label should be used for the distribution box

Overview

Wiring regulations, new build distribution board label. Part of our electrical hazard warning label range. 12 labels (size 45mm x 95mm) on A4 size sheet.

Key Takeaways

Use a label size that is large enough to be legible and durable, typically at least 2" x 3" for flat surfaces, with adjustments based on panel size and information content.

Key Considerations for Label Size

Legibility and Safety: Labels must be readable from a safe distance to ensure quick identification of circuits, voltage, and safety warnings.

OSHA and ANS

I standards recommend clear, concise wording and legible fonts, generally no smaller than 6 pt for text. Surface Measurement: Measure the flat area of the distribution box where the label will be applied. The label should fit comfortably within this space, leaving a small margin (about 1/8") to prevent peeling or wrinkling.

For curved or irregular surfaces, smaller or flexible labels may be required. Information Content: Include circuit identification, voltage, current ratings, fault current, safety warnings, and emergency contact information. The more information required, the larger the label should be to maintain readability.

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Standard Sizes: For industrial electrical panels, a 2" x 3" rectangular label is commonly used for individual breakers or small panels. Larger panels may require 3" x 5" or 4" x 6" labels to accommodate multiple lines of text and safety symbols. Durability: Labels should be resistant to heat, oil, UV, and moisture, as recommended by IEC 61439 for distribution boards.

Use materials that adhere well to metal or plastic surfaces and remain legible over time. Placement: Position labels near the corresponding breaker or component, ideally at eye level or in a location that is easily visible during maintenance. Arrange incoming breakers on top, outgoing feeders at the bottom, and controls in the middle for clarity.

Practical Recommendation

Small distribution boxes: 2" x 3" label for each breaker or section. Medium to large panels: 3" x 5" or 4" x 6" label to include all required information and safety warnings. Curved or irregular surfaces: Use flexible or smaller labels, ensuring text remains legible.

Font and spacing: Minimum 6 pt font, with at least 0. 125" margin around text and barcodes if included. By following these guidelines, the distribution box will be safely labeled, compliant with standards, and easy to read for maintenance and emergency purposes.

Article Content

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The installation requirements for the distribution box

Learn how to install a distribution box safely and correctly. Covers wiring, placement, standards, and expert tips for a compliant setup.

Strategies for electrical labeling and documentation

Electrical equipment must be correctly labeled and documented. Follow these strategies to achieve enhanced safety and documentation. Learning objectives Understand codes, standards, and

Wiring regulations: what are the labelling requirements? | Epson

Traditional methods Historically label creation has been a time-consuming and arduous task. It used to involve a labeller, a pair of scissors, a great deal of wasted tape off-cuts and no small

How to label a home distribution board | Lowvelder

By labelling a home distribution you are taking a step towards understanding how your home electrical supply works. In this article we show

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