

Dimensions of the identification plate for a level 3 electrical distribution box



Overview

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways.

Key Takeaways

Typical identification plates for level 3 electrical distribution boxes are approximately 2 inches high by 7 inches wide, with lettering heights of 1/2 inch. Standard Dimensions and Lettering

For industrial and institutional electrical distribution panels, identification plates are commonly designed with the following dimensions and features:

- **Plate Size:** Around 2 inches in height and 7 inches in width for load center panels, which is suitable for level 3 distribution boxes . Larger plates, such as 4 inches high by 9 inches wide, are used for transformer or main power source labels .
- **Lettering Height:** Typically 1/2 inch high for standard distribution panel labels, ensuring readability from a safe distance . Emergency or main power source labels may use 7/8-inch-high letters for higher visibility .
- **Color and Contrast:** Plates often have a black background with yellow letters or other high-contrast combinations to comply with safety and visibility standards .

- **Material:** Commonly 1/16-inch thick plastic laminated material or engraved metal, with letters engraved through a colored surface to a contrasting sub-layer for durability .

Placement and Compliance

- **Mounting Location:** Identification plates should be mounted on the front of the panel or door, clearly visible without obstruction .
- **Regulatory Guidance:** While the National Electrical Code (NEC) and OSHA do not specify exact plate dimensions, they require that labels be legible, durable, and convey sufficient information to identify circuits and hazards .
- **Additional Considerations:** For emergency power systems or critical circuits, plates may include subclassification labels and time-delay relay information, with lettering adjusted accordingly for clarity .

Summary

For a level 3 electrical distribution box, a 2-inch by 7-inch identification plate with 1/2-inch-high letters is a practical and widely used standard. For higher visibility or critical circuits, plates may be larger (up to 4 inches high) with 7/8-inch letters. Ensure high-contrast colors, durable materials, and proper placement to meet safety and operational requirements .

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Use 0.25 inch minimum height letters on the small plates increasing the size proportionately to plate size. The

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