

Distance between distribution box and electrical appliances



Overview

OSHA and the National Electrical Code (NEC) specify that electrical panels must have a minimum clearance of 36 inches in depth, 30 inches in width, and 78 inches in height. These dimensions ensure sufficient space for workers to safely and efficiently perform maintenance tasks. Dedicated space: The space equal to the width and depth of electrical equipment in addition to the space extending. For the safe operation and maintenance of equipment, access to and egress from working space must exist around all electrical equipment [110].



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Distance calculator helps in calculating mileage and distance between two cities, places, locations, points, zipcodes, coordinates, or addresses on map.



The National Electrical Code establishes electrical panel clearance requirements to ensure that the panel operates safely and has a clear space in front of it in case of an emergency.



Keeping the panel clear of debris and obstructions is crucial to ensuring the safety of your electrical system. It protects overloading circuits and serves as a central hub where all the wires from your ...



Side clearance: There should be a minimum of 30 inches of clearance from the sides of all electrical equipment, but in no case less than the width of the equipment itself. This is referred to as the side-to ...



If electrical equipment is being replaced, Condition 2 working space is permitted between dead-front switchboards, switchgear, panelboards, or motor control centers located across the aisle from each ...



Free calculators to compute the distance between two coordinates on a 2D plane or 3D space. Distance calculators for two points on a map are also provided.



Distance calculator can estimate shortest distance between any two cities or locations. Know the distance you are going to cover before heading out to a new city.



ICC Digital Codes is the largest provider of model codes, custom codes and standards used worldwide to construct safe, sustainable, affordable and resilient structures.



Calculate the driving distance and directions including major highways and cities between stops to check along the way!



Distance calculator helps you to find the distance between cities and calculate the flying distance in both kilometers and miles.



Click Calculate Distance, and the tool will place a marker at each of the two addresses on the map along with a line between them. The distance between them will appear just above the map in both miles ...



To determine this measurement, one must select the condition that applies to the installation. Then measure from exposed parts (soon to be live) or from the face of the enclosure, if ...



Official MapQuest website, find driving directions, maps, live traffic updates and road conditions. Find nearby businesses, restaurants and hotels. Explore!



Whether you're measuring the distance between two cities, towns, villages, or even precise street addresses, this tool provides accurate results in both kilometers (km) and miles (mi).



Slow Map data ©2026 Google Terms 10 km



Guide to OSHA electrical panel clearance requirements. Learn about safety standards, compliance tips, common violations, and best practices for installation and maintenance.



___ NEC 250.24(A)(5) - Sub-panels shall maintain separation between the grounded (neutral) conductors and the non-current carrying metal parts of equipment/grounding conductors.



OSHA and the National Electrical Code (NEC) specify the minimum clearance distances required around electrical panels. These include a depth of 36 inches, a width of 30 inches, and a height of 78 ...



Simply enter any desired location into the search function and you will get the shortest distance (air line) between the points, the route (route planner) as well as all important information.



Every electrical panel, breaker box, meter base, and service disconnect needs a clear working zone in front of it so that someone can safely operate the equipment or respond to an ...

Contact Us

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