



## Circuit-Safe Installation

The following installation procedure is offered as general guidance. The actual installation procedure used by the user must be confirmed by the user as appropriate and safe with respect to the specific application of the product and all appropriate policies, procedures, standards, and codes.

1. Eliminate and lockout all power to the circuit breaker panel in accordance with appropriate lockout/tagout procedures.
2. Identify the “proper location” for the Circuit-Safe rail on the panel by hand placing the rail on the deadfront. The rail should be oriented such that the rail covers open downward. The slots in the rail must align with the centerlines of all the breaker handles. Ensure that the distance from the rail to the breaker handle is identical at both the top and the bottom of the rail. For two column panels, ensure that the distance from the rail to the breaker handle is identical on the left side and right side. For two column panels, the rail is generally properly aligned when the rail is centered between the two columns. In most cases, the distance from the centerline of the Circuit-Safe rail to the breaker handle in the off position should not exceed 2.5”.
3. With the Circuit-Safe rail held in place in the “proper location” per Step 2, mark the location of the rail attachment holes onto the deadfront of the panel using a pencil, pen, or marker. For access to the attachment holes, you will need to open the rail covers.
4. Confirm that there is no power in the panel and then remove the deadfront from the panel.
5. Confirm that there is clear space behind the deadfront at the locations of the attachment holes marked in Step 3. Confirm that sufficient clear space exists so that the attachment screws will have safe and adequate clearance with any live parts in the panel. If there is not adequate clear space, a new location for the Circuit-Safe rail must be identified.
6. After confirming that adequate clear space exists, re-locate the Circuit-Safe rail to the “proper location” on the deadfront using the attachment hole marks from Step 3 as a guide. Attach the rail to the deadfront using the provided self-taping screws, or such other hardware as is appropriate.
7. Find a convenient location on the deadfront or panel cover to locate the Pin Holder. The Pin Holder location should be such that there is clear space for the Pin Holder attachment screws behind the deadfront or panel cover and that pins stored in the Pin Holder do not interfere with the operation of breakers or the panel door. Attach the Pin Holder with the provided self-tapping screws, or such other hardware as is appropriate.
8. Replace the deadfront on the panel.
9. Place One-way and Two-way Pins in slots on the rail and mark the appropriate lengths for each pin so that after cutting each pin, the pin is 1/32” short of contacting the breaker handle in the “off” position. Cut the One-way and Two-way Pins to the marked size and test each pin’s length to ensure functionality. Similarly, position, mark, cut and test any Spade Pins, Hook Pins, or Cup Pins to ensure functionality in holding breaker handles in either the “on” or “off” position as appropriate.
10. Store all Pins in the Pin Holder.
11. Per appropriate lockout/tagout procedures, restore power to the panel.

**Important Notice to Circuit-Safe User:** The following is made in lieu of all warranties, express or implied. Seller’s and manufacturer’s only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable to the user or any other person under any legal theory, including but not limited to negligence or strict liability, for any direct or consequential damages sustained or incurred by reason of the use of the product or otherwise. Before using, user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith.

*Circuit-Safe significantly improves compliance. Better compliance means better safety.*

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