



Circuit-Safe Frequently Asked Questions (FAQs)

How does Circuit-Safe Work?

Stranco's patented Circuit-Safe lockout system positively and reliably isolates electrical circuits by mechanically preventing the movement of breaker handles from the "off" position once the lockout pins are placed in use. The lockout pins fit into slots in the rail assembly and are held in place when the rail cover is closed and a lock is attached to the rail assembly.

The rail assembly, supplied with pre-drilled mounting holes, fastens directly to the service panel dead front using self-tapping screws. The lockout pins are stored in a provided pin holder, which is also attached to the dead front by means of self-tapping screws.

Why is circuit breaker panel lockout required?

OSHA 1910.147 "The Control of Hazardous Energy" requires employers to establish a program that will prevent the unexpected energization, start-up, or release of stored energy in equipment and machines through the use of energy isolating devices in order to prevent injury to employees.

The core component of such a program is the application of lockout devices and/or tagout devices on the energy isolating devices (lockout/tagout). Lockout/Tagout is required during servicing, maintenance, repair, or modification, and during normal production operations if an employee is required to remove or bypass a guard or other safety device and if an employee is required to place any part of his or her body into a danger zone associated with the operation of a machine or equipment.

Circuit breaker panels are often the most effective "energy isolating device" for a wide range of equipment, lighting systems, motors and machines. Circuit-Safe provides a reliable and efficient means of locking circuits off. Because the Circuit-Safe hardware is permanently stored at the panel, Circuit-Safe can improve compliance with company lockout/tagout procedures.

Furthermore, the 2008 NFPA National Electric Code (NEC 2008) requires that circuit breaker lockout hardware be permanently located at the breaker. Circuit-Safe complies with this new NEC 2008 requirement. Loose hardware that is carried from panel to panel is specifically prohibited.

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

Serving Industry Since 1954

**1306 West U.S. Hwy 20 • Michigan City, IN 46360
800-348-3217 strancoinc.com**

Circuit-Safe Frequently Asked Questions (FAQs)

(Page 2)

Why is Circuit-Safe different?

Compared to other lockout hardware, Circuit-Safe is different for two primary reasons:

1. All the lockout hardware is permanently stored at the panel
2. Circuit-Safe can be retrofitted to virtually any brand or model panel

What are the primary advantages of Circuit-Safe?

The primary advantages of Circuit-Safe include:

1. Stores all the necessary lockout hardware at the panel
2. Authorized personnel only need to carry their lock
3. Provides a lockout solution for the life of the panel
4. Enables standardization of lockout procedures across all panels
5. Virtually impossible to defeat
6. Easy to specify, easy to install

How do I select the proper Circuit-Safe part?

Each panel should be measured to determine the proper Circuit-Safe part number. Stranco manufactures over 80 different Circuit-Safe assemblies to ensure compatibility with a range of breaker spacing and panel sizes. The Stranco web site provides specifying procedures that show the step-by-step process for measuring a panel. There is a Panel Survey guide for standard panels and one for large breaker panels. Once the information for each panel has been recorded (the web site also provides a printable Data Sheet form), a Stranco representative will review the measurements and specify the proper part number and provide a quote.

How much does it cost?

The cost for Circuit-Safe will be dependant on the size and measurements of each panel as well as the size of the installation project. With over 80 different Circuit Safe assemblies, the cost can range approximately from \$20 to \$90. Once installed, Circuit-Safe provides lockout security for the life of the panel.

Why invest in Circuit-Safe, when loose hardware is so cheap?

Our customers give us seven answers to this question:

1. The front-line staff that tried loose lockout hardware often say it does not work
2. If lockout hardware is not readily available, it's often not used
3. Circuit-Safe saves time for employees (and employers)
4. Circuit-Safe provides one system that can be used throughout the facility.
5. Compliance with lockout procedures improves to essentially 100% with Circuit-Safe
6. Employees are working in a safer work environment with Circuit-Safe
7. Loose hardware does not meet the requirements of NEC 2008

How long before a Circuit-Safe order ships?

Generally, a Circuit-Safe order will ship within three business days.

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

Serving Industry Since 1954

1306 West U.S. Hwy 20 • Michigan City, IN 46360
800-348-3217 strancoinc.com