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COVER STORY

Outlet Dangers and Fire Risks

Power adapters and other accessories are convenient to have around. They serve many functions, temporary power, emergency power, or power relocation, to name a few. These power accessories can do as much harm as good if not used safely. Since October is fire safety month, we remind you of safe use.

Electrical fire risk can come from the wiring in your home outlets. Make sure you follow building codes and hire an electrician to replace or update fire hazards. If you see any damage, rips, or visible metal on your products, wiring, or outlets, make sure you address the issue and discontinue use.

Some old homes have two-prong outlets installed. Changing the outlets should be done by an electrician. The uncertainty of a homeowner changing a two-prong outlet to a three-prong without grounding the outlet is not worth the risk. Some choose to use an adapter.

If using a two to three-prong adapter, it comes with a metal grounding prong attached to it. The prong is a small piece of metal with a circle in the middle. This grounding prong is attached to connect your adapter to the grounding source. Install the outlet cover plate screw through the hole in the metal ground pin, and your adapter becomes grounded.

When using a two-prong plug, the easiest path for the electricity to travel is through the metal of your equipment. In this case, there is a risk of electrical shock or fire caused by hot metal.

In 1969, Underwriters Laboratories started requiring the installation of safer three-prong plugs. It is less risky to have an electrician change your outlets. Choosing an adapter rather than an outlet change is okay if you know the risks. Remember, if you do not install the grounding feature, it will not provide any safety.

Here are some more safety tips to follow:

NEVER cut the grounding pin or wire off your plug or adapter. Always unplug your electrical items, heaters, dryers, range, AC Units, etc. when not in use. Do not unplug an electrical item during use. It can cause shock, especially during times of peak power.

FEATURED PRODUCTS

PSROT-072

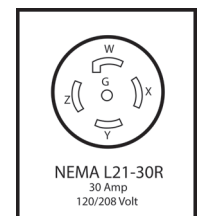
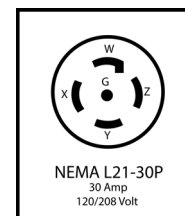
Surge protectors protect electronics from power surges. They re-direct power surges through a less resistant path, also known as the ground wire. Keeping electronics grounded helps provide protection from the power surge. They also protect your home from electrical fire or other issues caused by too much voltage running into your outlets.

The surge protectors are made to detect a spike in voltage and divert it. It is important to use them with your expensive electronic devices like TVs, computers, stereos, and cell phones.



TIPS FROM TONY

The voltage rating for a NEMA L21-30 is listed as 120/208V. 208V is typically used for the commercial and industrial settings. But, since it is 5-wire and 3-phase, it can operate at 240V. Equipment using L21-30 can use a wide range of voltages going all the way up to 240V.



FEATURED PRODUCTS

PD4GF-010

Our chainable PDU with a 10ft extension cord meets OSHA requirements and is ETL approved. It has a NEMA L14-30P to (4) GFCI NEMA 5-15/20R T-blade household connectors. The GFCI outlets come with status indicator lights and the cable is an SJTW, 10/4, 30 Amp copper wire, with a 300 Volt anti-cold weather jacket. There is also an L14-30R outlet, allowing you to chain multiple PD4GF-010 cords together.

The GFCI Outlet is a ground-fault circuit interrupter that protects from electrical shock. This type of circuit breaker shuts off power when it senses an imbalance between the in and outgoing current. Be aware of the maximum power for this product, 7500 Watts overall.



CUSTOMER FAVORITES

AS520P

Solid industrial grade wiring device made of durable construction able to withstand impacts, chemicals, and weather.

It is a NEMA 5-20P, 20A, 125V, straight blade plug. This product features a strain relief structure compatible with SJT, SJO, SOO, STW, 12/3, 14/3, 16/3, and 18/3 cable specs.



AC WORKS® NEWS

Mark Downs and Discounts

As you may remember we started creating new designs for the barrel adapters. As they have been rolling out into production we have been marking down the old style. Save on compact adapters by purchasing the old style (while supplies last).

Visit our website's promotional page to find out more about our discounts and coupons. We are running a BOGO discount on the E520CB520 and the E620CB620 flexible adapters.

We also post our discounts and sales on our Facebook page.

[@acworksconnectors on Facebook](#)



Industry News

Fire Prevention

October is Fire Prevention month, but we urge you to protect yourselves every month. Regularly check cords, outlets, appliances, and adapters for damage, rips, exposed wires, or other issues. If there is exposed metal, replace your power accessory immediately. Metal can cause electrocution. Warm or hot cables are overloaded and require an upgrade to a higher rating. If your cord, outlet, or adapter is damaged, discontinue use. These problems could cause fire or electrocution.

Indoor cords are not safe to use outdoors. When using outdoor cords and/or adapters, unplug, coil, and store inside when you are not using them. A wet power supply can be hazardous. Water leaking into the outlet can cause shock, malfunction, damage to the cord or possibly anything plugged into it, and a fire hazard. When wet, don't coil or fold the cord, it will take longer to dry out.

Never leave items plugged in when not in use. When you leave an adapter, cable, or other power accessory plugged into a working outlet, you are not using power. You are subjecting yourself to dangerous risks avoidable when using caution. These risks include electrocution, the safety of small children, shock, fire hazard, and more. Be smart when using electricity and power accessories. Keep a fire extinguisher in your house and ready for an emergency.



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September 2022, Issue Thirty Two

WRAP UP

BEHIND THE SCENES

BLACK FRIDAY CYBER MONDAY

AC WORKS® brand will be on sale this year for Black Friday and Cyber Monday. You will see some of our favorite products shared throughout the month. Closer to Black Friday you will start to see the deals shared on social media as we get closer to Thanksgiving.

We want to remind you we are closed during many of the upcoming holidays and shipping times will be extended by one day during those closures.

These holidays include Thanksgiving, Christmas Eve and day, and New Year's Eve and day.

SOCIAL MEDIA

Social Media Channels

FACEBOOK

Follow AC WORKS® on **Facebook** and learn more about our products, find discounts and more. You can also leave us a review on Facebook to help other customers.

INSTAGRAM

View products behind the scenes, in development, and during special events.

TWITTER

Industry related news and updates, newsletters, and deals are shared here.

LINKEDIN

Hiring and company update events.

E-mail your questions to info@acconnectors.com

UPCOMING SHOWS

Tradeshow, Expo, and Event News

EWPTTE 2023: Milwaukee, WI | May 16-18, 2023

The Wisconsin Center District and Expo Productions Inc. has announced the Electrical Wire Processing Technology Expo dates for 2023.

Find us in booth 929.

HIMSS23: Chicago, IL | April 17-21, 2023

We will see you at HIMSS23 in Chicago, Illinois. We will see you next year in Chicago at the McCormick Place. *Find us in booth 8106.*

PRODUCT FOCUS

20 Amp Circuit Breaker Products

AC WORKS® has a variety of products with 20 Amp circuit breakers installed for safety and protection. Take a look at some of our products below.

Safety and Protection

Power Tools

Generators

HVAC and

more.



IMPORTANT DATES TO REMEMBER

OCTOBER

Halloween 31

NOVEMBER

Daylight Savings 6

Veteran's Day 11

Thanksgiving 24

Black Friday 25

Cyber Monday 28