

THE MOST COMMONLY ASKED QUESTIONS...

1. Why do I need power protection for my communications equipment?

The electricity that powers your communications equipment carries with it some harmful properties called by various names such as transients, surges, or noise. Quite simply, these phenomena are excessive spurts or spikes of electrical energy that travel along the power line and enter your PBX, key system or data sets. There they eat away at the microprocessors and cause them to malfunction and ultimately to fail.

By filtering out these harmful disturbances, effective power conditioning prevents malfunctions and the slow erosion of your equipment's delicate circuitry. The result is enhanced reliability and improved overall operation.

2. What causes electrical noise?

Lightning causes occasional high-voltage surges, but most electrical noise is simply a natural by-product of the use of electric power. For example, noise that gets into your communications equipment can be caused by the elevator in your building, the air conditioner, the copy machine in the next office or even your printer. No matter where you plug in your communications equipment, you'll find electrical noise. In fact, it's only safe when it's unplugged or plugged into an effective power conditioning device, like an **ONEAC**® power conditioner.

3. I don't have any power problems. Why do I need a power conditioner?

Electrical noise is truly an invisible problem since the damage it does may not cause your equipment to fail immediately. This unseen damage frequently causes "soft" failures, such as no dial tone, lost calls or erratic operation. Ultimately, the cumulative effect of these problems will show up as hardware failures. And that means your communications system is down until you can get it repaired.

You may not realize it, but you've probably adjusted to many of these problems. After all, they came with the equipment- right? Wrong! Even the most reliable communications equipment can run more smoothly with power conditioning.

4. What benefits will I see if I use an ONEAC power conditioner?

You will see a dramatic decline in failures of all types. Your equipment will run more smoothly. You will experience fewer random errors, fewer instances of lost or garbled data on modem calls, and fewer outright equipment failures.

You will have fewer horror stories to tell about how the system went down and cut off your communications for the day, or how you lost productivity during a busy time. In essence, you will be a more satisfied system user.

5. Why is ONEAC the best power conditioning product I can buy?

ONEAC is the only power conditioner that was designed with the new generation of communications and electronic equipment in mind. The designers at Oneac Corporation thought through all of the issues concerning the effects of electricity on sensitive circuitry and designed a product that protects your system at all times, even when you're not using it. **ONEAC** power conditioners have been extensively evaluated and recommended by the major computer, telecommunications and electronic test equipment manufacturers.

Some special features that distinguish **ONEAC** power conditioners from competitive models are:

- **Greater efficiency**
- **Quieter, cooler operation**
- **Smaller size**
- **Clean, single-point telecom grounding**
- **Five year warranty**

6. Why don't manufacturers build this protection into their systems?

Some level of protection is built into most systems. However, since the electrical noise levels vary dramatically from location to location, and there is considerable pressure to keep equipment price levels down, manufacturers usually build in a lower level of protection. In effect, it's up to the user to provide the proper environment, which includes clean electric power.

7. Do I need an electrician to install an ONEAC power conditioner?

Except for some of the larger models, ONEAC units do not require any special wiring. You only have to plug the units into the existing outlets. In addition, ONEAC's unique design eliminates the need for special isolated grounds or dedicated lines.

8. How long will my ONEAC power conditioner last?

All ONEAC products come with a five-year warranty. Because of the design of the product, we have every reason to believe that they will last considerably longer than your communications equipment.

9. Are there any products available which cost less?

Yes. Any computer supply catalog or store can sell you a low-cost surge/spike protector. They go by many names, e.g. surge suppressors, spike arrestors, MOV's etc. These units were originally designed to protect devices like your TV from damage during a lightning storm. However these devices commonly fail without warning and are generally ineffective at filtering out the harmful medium-level noise (200-800 volts) that threatens your communications system every day. In summary, they provide limited protection at low cost.

10. Doesn't a battery backup solve all my problems?

Not necessarily. DC powered systems with batteries (e.g. many PBXs) do not require any form of external battery backup, but still need the noise protection provided by standard ONEAC power conditioners because batteries can provide only minimal noise filtering.

Other AC powered equipment (key systems, voice mail systems), however, will require an external battery backup if uninterrupted performance through blackouts is required. Most uninterruptible power supplies (UPSs) provide backup, but just like the DC systems, they lack power conditioning for noise protection. Only a battery backup that also has power conditioning as an integral part of the design can solve all of your power-related problems.

POWER-ON®, an uninterruptible power conditioner from ONEAC provides both power conditioning and battery backup for communications systems that need this extra measure of protection.

TELECOMMUNICATIONS POWER PROTECTION

Questions & Answers

