

How To Be Safe From Lightning Dangers?

A community service +PROMO by: Paul Chang / July 06, 2009

If you think you know how to stay safe from lightning, please think again!

Most people are plain lucky to be alive!

Simply lucky not to be at the wrong place at the wrong time, yet!

Two areas need your attention:

1. **When outdoors**, IF you are aware – You can do something RIGHT to save yourself
2. **When indoors**, you can hardly be aware – You have no time to start doing anything RIGHT, when lightning strikes (without warning). What you have installed & preplanned beforehand, will either keep you (& loved ones) safe or endanger you!

Unplugging any connection (knowing lightning danger is near) may actually get you killed! Is it worth it?

How to stay safe when outdoors?

Quickly get indoors, when you sense lightning-dangers! There is no place safe outdoors, but you may increase survival-chances by reacting **correctly & promptly**:

1. Knowing that lightning can kill – directly or indirectly, do not take shelter outdoors;
2. Get into a **hardtop car**!
3. Get wet! Steer clear of **tall trees or tall objects**;
4. Do not be the **tallest, widest or nearest** object, exposed to open areas;
5. **Be alert! Do not wait! Get indoors!**

Google-search: **lightning safety**
Do not just take our words!

How to be safe from lightning, while indoors?

- Believe that there are many Points-of-danger (**PoDs**), indoors;
- Learn where the **PoDs** are located and do something beforehand,

because while indoors, you will not be aware of impending dangers from lightning;

- If you are aware of impending dangers from lightning, do not go near any **PoD**! There is **no safe-time** to unplug anything!

• **Do something right beforehand** :

1. Isolate each **PoD** from induced lightning surges – with Lightning Isolators (not Lightning-arrestors, and **forget INSURANCE**)!
2. Do not be near any **PoD** while **bare-footed**! Wear rubber sandals or stand on dry & insulated floor-mat or Equal Potential Safety Mat (**EPSM**), if you have one installed;
3. Use remote-control, if possible;
4. **Be warned**: INSURANCE is not a safety-measure! It is a **cut-loss** measure, often associated with dangers that could not be technologically avoided. **Lightning-dangers are avoidable, now!**

(Learn how to create **SAFE-islands** in www.cal-lab.com)

How to create a **SAFE-island**?

When a safe-island is created for an equipment setup, every piece of equipment (and the user) is ISOLATED from **PoD** (Points-of-danger)!

How?

1. Identify all the equipment in a setup and all must draw power from one & the same CLLI only;
2. Identify ALL the connections from this island to outside **PoDs** or to another island (including any **EARTH** or **GROUND** wire, if any);
3. Choose one (or more) Lightning Isolator (**CLLI**) suitable for the purpose, and install correctly;
4. Interconnections within this island can be directly interconnected, as safe-cables! Safe-cables must not be too near un-safe cables** (from outside this island)!
5. Any direct connection to outside, not via a **CLLI**, renders this island to become un-safe!

No island can be safe from **direct or deflected air-strikes from lightning discharge nearby! Do not place safe-cables too near **PoDs**, like **window-grill, water-pipe, concrete-pillar, EARTH-wire or metal-bar, etc.**

How to identify **PoDs**?

PoDs** (or Points of Danger) are items or situations that can induce or carry lightning-dangers!

Some examples below:

- The **power-line, telephone-line** – from far away installations;
- The **Satellite-cable, TV-antenna-cable** – local installations;
- Local **EARTH or GROUNDING** wires – stop believing that an EARTH-wire is a safety-link! It can carry induced lightning surges to kill someone, indoors, if you are unlucky to be at the wrong place at the wrong time!
- The **window-grill, water-tap, shower-bath, kitchen appliances** – they can pick up lightning surges discharged nearby!
- **Plugging & un-plugging or touching** any of the PoDs can be a dangerous practice!

****No one knows when these PoDs are dangerous since it is hard to know when there might be lightning discharges, nearby or far away!**

Facts & Statistics you should know!

3-things you should stop believing:

1. Stop believing that **you (& loved-ones) are safe indoors** – lightning has a way of creeping into your house. Remember PoDs? A Malaysian woman in Port Dickson was killed in 2006 while touching her refrigerator, when lightning struck.
2. Stop believing that **INSURANCE is a solution to dangers from lightning** – install Lightning Isolators that have been proven to work and your loved ones at home may have a better chance to survive a powerful lightning discharge near your home! This INSURANCE-practice started from Europe & USA where 80% of **lightning strikes are mild and a 50-year-old technology is sufficient!** When this old technology fails, INSURANCE is used to compensate. Every body thought no better arrangement could be had! Are you happy with this technology to keep equipment & users safe?
3. Stop believing that **equipment & users cannot be safe from powerful induced lightning strikes, anyhow** – this used to be true (with lightning arrestors & surge-protectors that attempt to ARREST a powerful strike with old technologies) but no more! CLLI does not attempt to ARREST but **detect, absorb & ISOLATE**. That's why Lightning Isolators are different!

After having sold nearly **1,000,000 units of CLLI** since 1995, CAL-LAB still claims to have recorded no equipment-damage where CLLI were certified to have been correctly installed!

Have we managed to change your mind on the following 'shockers'?
Do not take too long! Even INSURANCE cannot bring back a life!

1. There is no safe-place outdoors! "When you can sense lightning-dangers, you are already late! Do not wait, get indoors immediately!"
2. There are many Points-of-danger (PoDs) indoors! Get to know where they are and do something before it's too late!
3. A 50-year-old technology could not keep induced lightning safe – so INSURANCE came to the rescue to cut-loss on equipment damages BUT could not make users safe from lightning!
4. Nothing small enough to sit next to your electronic equipment, can ARREST a powerful lightning discharge! Forget ARRESTORS or INSURANCE. This marriage of convenience could mislead you from getting effective and carefully installed safe-islands, based on a new & patented technology!
5. INSURANCE is good for cutting losses when damages cannot be technologically avoided – damages like natural disasters. With Lightning Isolators (not ARRESTORS), equipment-damages can now be technologically avoided!
6. Lightning-ARRESTORS that could not arrest lightning are not good for Green-movements that attempt to conserve the world's finite resources! Equipment gets damaged, INSURANCE payments made and resources are wasted.
7. ELCB or RCCD cannot save you (or loved ones) when a powerful lightning discharges nearby – only a correctly installed safe-island can help you.

More details in www.cal-lab.com

Let's help-keep your equipment & loved-ones safe from induced lightning strikes! Thank you!

For more info, go to www.cal-lab.com / Email: callab@callab.com.my
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