

**SILVER STRAND ELECTRIC, INC.**  
**117 POINSETTIA ST.**  
**ATLANTIC BEACH, FL.**  
**32233**  
**LIC.# EC13003769**

RE: AFCI protection

Most if not all the electrical fires are caused by:  
Too big of breaker / fuse on knob on tube wiring.  
Space heaters too close to flammable objects

The majority of the trips are nuisance trips. Not constant. Hard to troubleshoot. The only constant trips I've experienced with art fault protection are either from an overcurrent or from a direct short. Not from an actual Arc fault. Exact same protection he would get (over current and direct short) with a standard trip breaker.

Arc fault protection (supposedly) is for fire prevention.  
There's no documented proof (that I know of) of arc fault protection actually preventing any fires, but there is very much proof of arc fault protection having nuisance trips.

So, basically, there's proof that arc fault protection actually **causes** a problem and doesn't prevent anything. And we're still mandating this????

National electrical code /fbc mandating something that doesn't solve anything but actually causes (instead of prevents problems) problems. Causes more problems than was meant to rectify. **Documented proof of causing problems and no documented proof of solving problems.**

By "upgrading" (to AFCI protection), the NEC has downgraded the integrity of any circuit with art fault protection.

The concept of our fault protection is good. It's just that our fault protection is not living up to / meeting the expectations of what it's supposed to do (fire prevention).

Arc fault protection is supposed to detect a spark. It seems like once the spark is already happened it's too late. It's like saying, "hello" to somebody after they've walked by you.

Cost money. Every time nuisance trip being called by homeowner.

Creates heat.

Internal electronics. Electronics worst enemy heat.

Like taking a medication that  
causes more side effects than symptoms.

AFCI receptacles are sometimes too big to fit in some of the smaller junction boxes in the older homes.