

## When Circuits Trip – Is Your Electric Panel Up to Code?

You've probably had to reset a circuit breaker in your home or office before, but do you understand why it tripped in the first place? The Wizard says your circuit breaker is an ingenious tool designed to interrupt electrical currents when conditions become dangerous, and when they trip too often it can indicate a larger problem. So pay attention to what it is trying to tell you...it may even be a signal your panel is not to current Code.

### **We estimate that there may be more than 5,000 out of date electrical panels existing today on the Treasure Coast. Is your's one that is unsafe?**

The circuit breaker is an electrical device designed to interrupt an electrical current if something malfunctions with the current. They can be small, like the individual circuit breakers found in power strips, and large, like circuit breakers that attach to parts of a giant power grid. The typical home has several, either attached to parts of the house or to individual rooms.



Circuit breakers work automatically. When certain conditions are met, they trip and the power dies. They can be reset by flipping the circuit off for 15 to 30 seconds, then turning it back on.

The function of the circuit breaker is, of course, to trip. Ideally, however, they never would because nothing would go wrong with the current. Three main things cause the circuit to trip: an overloaded circuit, a short circuit, or a ground fault.

Overloaded circuits are most common, which basically means you tried to run too much power through that particular circuit. Short circuits have to do with wires touching each other or breaking, and ground faults are when a wire touches the ground wire.

When you have circuits that trip a little too often, you should get them checked out by the professionals at Electrical Connections to make sure nothing more serious than an overloaded circuit is happening. Short circuits and ground faults can be dangerous if left unfixed.

Do you keep tripping your circuit breaker?

Are you worried you may have a short circuit or a ground fault? Or, fear you may have an out of date electric panel? Call Electrical Connections today!

And, don't forget to sign up for our Safety and Savings Plan. It can save you money on service and repairs plus extend your warranty! Plans start at less than \$10 per month.