

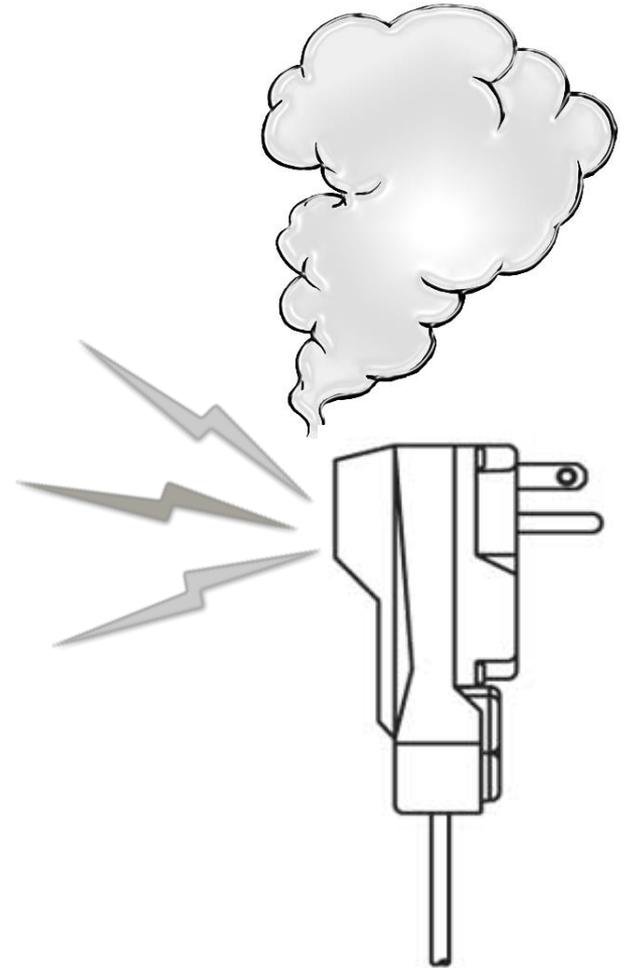


GIRL,

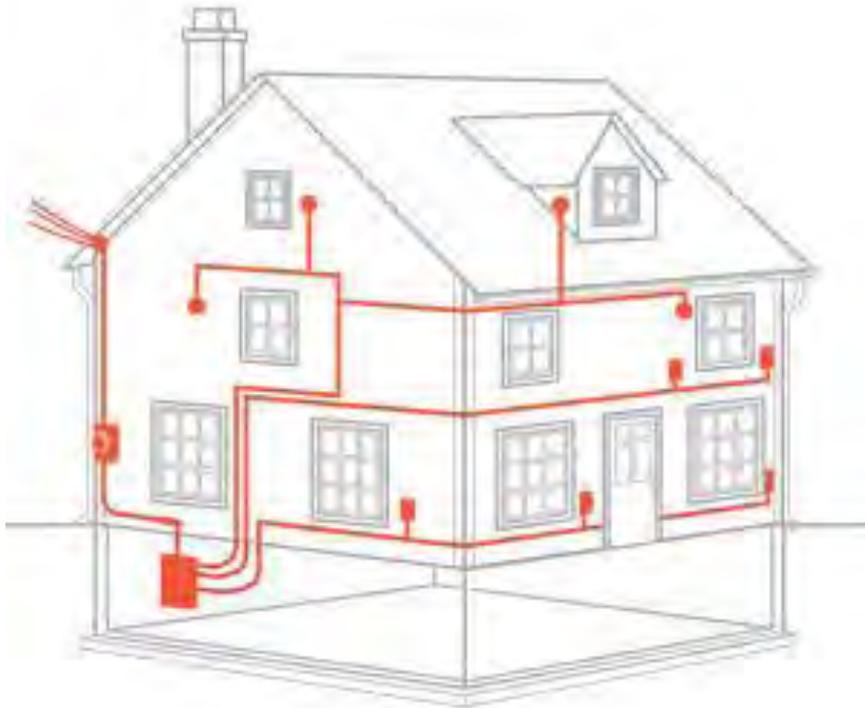
FAULT

INTERRUPTED

Story time!



Circuit Interrupts around the house



GFCI



AFCI



≠ Purposes

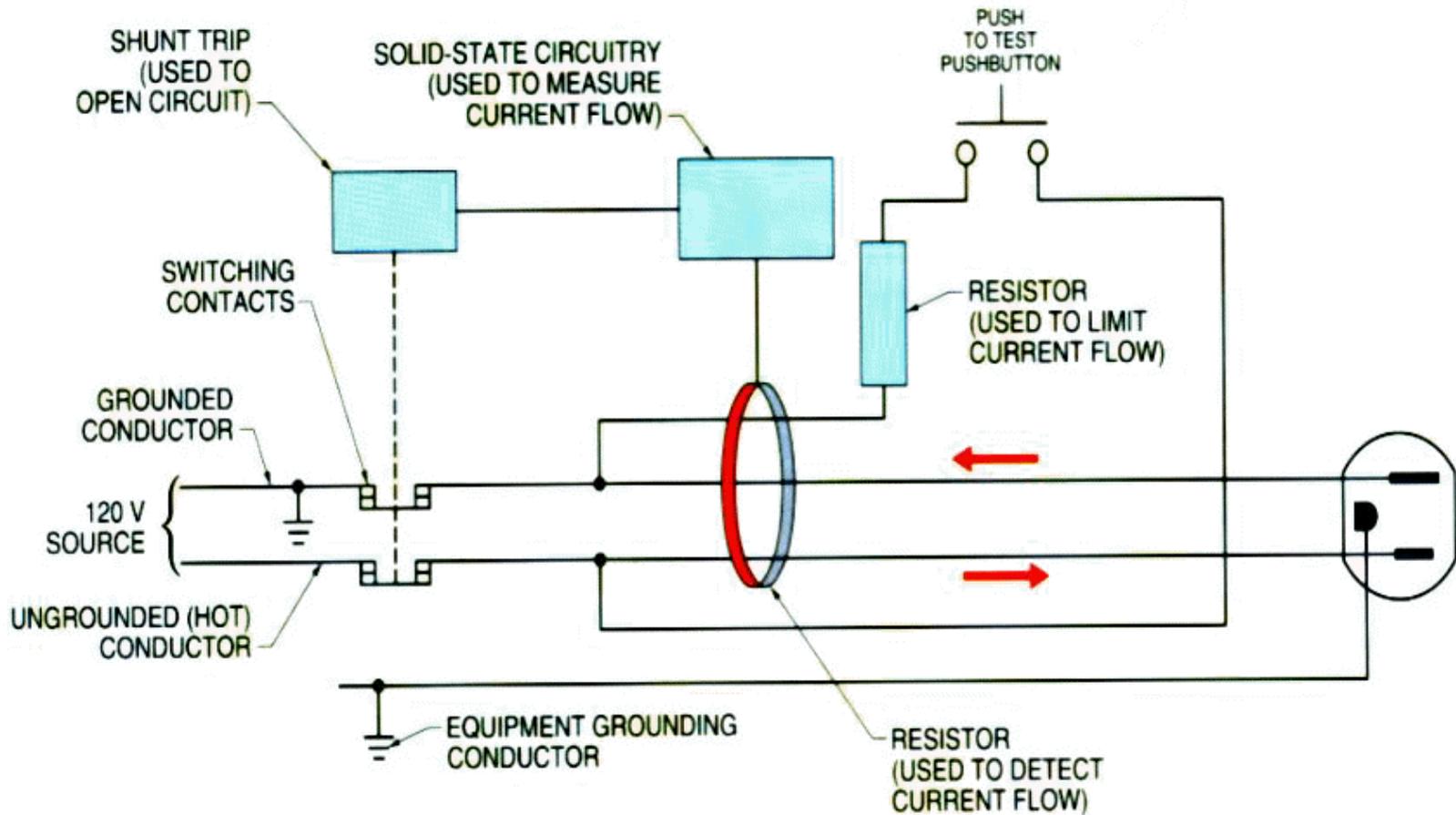
GFCI: Intends to prevent Electric Shock



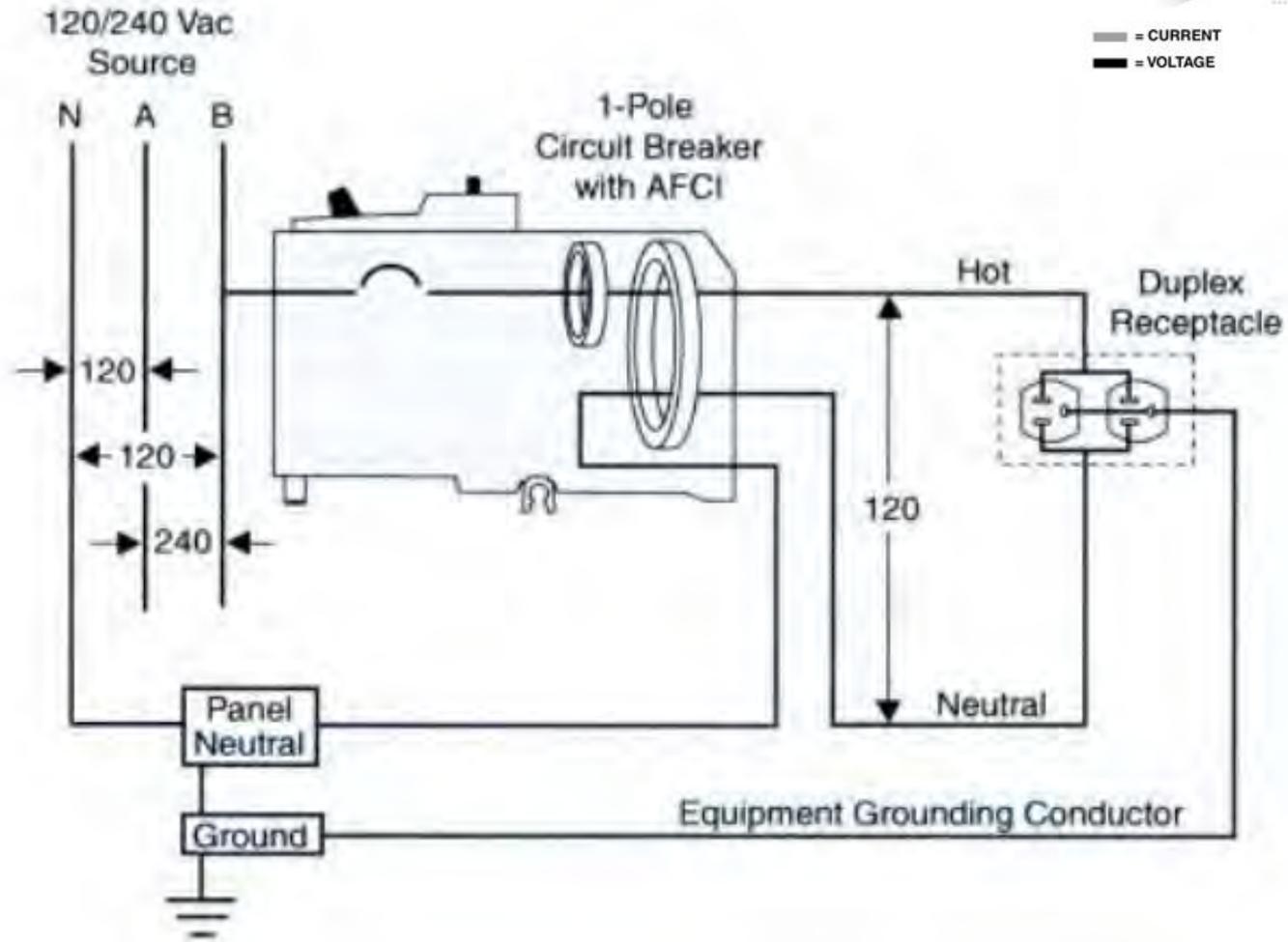
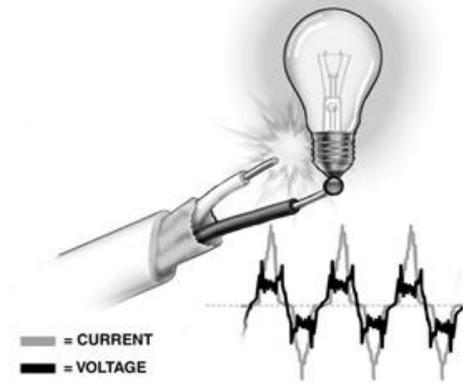
AFCI: Intends to prevent fires



Ground Fault CI



Arc Fault CI



Code Requirements



GFCI's

- Bathrooms/Indoor wet locations
- Garages/storage areas/non habitable areas/unfinished basements
- Outdoors/Compartments accessible from outside the unit/Rooftops/ Pools/Hot tubs
- Crawl spaces at or below grade level
- Kitchen [dish washer, Refrigerator]
- Laundry Areas

AFCI's

- Kitchens
- Family Rooms
- Dining Rooms
- Living Rooms
- Parlors
- Libraries
- Dens
- Bed rooms
- Sun rooms
- Recreation Rooms
- Closets/Hallways
- Laundry Areas
- Or similar rooms

Demos

Relevance

- RFI can be accidental or intentional
- RFI is wireless and fingerprint free
- Annoying DoS/Neighbor trolling
- Public Facilities
- Devices that matter

Suggested Solutions

- Update to newer Circuit Breaker Patents
- Uninterrupted power supply alternatives (Batteries, Back up Power Generators)

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Thanks

