



The Total Solutions Representative

Introduces: HonorTone AFCI/LCDI Circuit Interrupter

***What is the difference between
GFCI, ALCI and AFCI and LCDI?***

GFCI ---- A Ground Fault Circuit Interrupter intended for the protection of people from shock hazard. It also can detect the ground wire whether Open or Neutral and whether it is grounded. It involves two sensing coils. One is used for current leakage detection while another one is for ground and neutral wire sensing.

ALCI --- Appliance Leakage Current Interrupters are closely related to GFCI's. In fact, they share the same limits for trip level and response time. The main difference is that ALCI's are intended for use only in circuits with a solidly grounded neutral conductor. When compared to GFCI it can't detect the ground wire Open or whether Neutral is grounded due to it only having a single sensing coil.

Our device: HonorTone AFCI/LCDI Circuit Interrupter

AFCI --- Arc Fault Circuit Interrupters are designed to mitigate the affect of electrical arcs. Defined by UL 1699 they can be provided as circuit breakers, outlet devices, combination devices, adapters and cord sets. The AFCI must differentiate a normal arc (i.e. power tool, light switch, etc...) from a bad arc (i.e. a parallel fault in the wiring). To avoid nuisance tripping, the trip levels are quite higher and time longer than GFCI's, ALCI's or LCDI's. A cord type AFCI's maximum trip level is 75A for parallel fault and 5A for a series fault, both of which could be a fire in progress.

LCDI ---- Cord sets with Leakage Current Detection and Interruption. This product is intended to sense leakage currents flowing between or from conductors of the cord set and interrupt the circuit. (similar function to GFCI)

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