



**ELECTRICAL CODE MANUAL  
COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
BUILDING AND SAFETY DIVISION  
Based on the 2008 LACEC**

**ECM 210.12  
11-24-09  
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**ARC-FAULT CIRCUIT-INTERRUPTER (AFCI) PROTECTION**

Section 210 12 requires combination type arc-fault circuit interrupter protection for all dwelling unit bedroom branch circuits that supply 120-volt, single phase, 15 and 20 ampere outlets (receptacle, lighting, smoke detector, etc...). The device is required at the source of the branch circuit to provide protection for the branch circuit conductors as well as flexible cords and equipment connected to the branch circuit. This section is applicable to the following conditions.

- 1 The addition of new bedrooms
- 2 The extension of existing circuits to new bedrooms
- 3 The addition of new receptacles or other outlets in existing bedrooms

Note that the combination type AFCI breakers are readily available and are easily installed in existing electrical panels. If the AFCI breaker cannot be installed in an existing panel, a load center or approved enclosure may be installed to accommodate the AFCI. Exception to Section 210 12(B) allows the location of the arc-fault circuit interrupter to be at other than the origination point of the branch circuit with some specific conditions

This section is not applicable to an electrical service change or upgrade that does not include the above referenced conditions.

This device is in addition to the ground-fault circuit interrupter required for personal protection

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