



NFPA® 70

National Electrical Code®

2014 Edition

**EXTRACTS DOCUMENT - JAN 2015**



NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471  
An International Codes and Standards Organization

**REF: S-BOX™ UL-LISTED COUNTERTOP POP-UP RECEPTACLE**  
**EXEMPTION FROM TAMPER-PROOF REQUIREMENTS**



™Cardinal Innovations Limited  
Systems House Ives Street Shipley West Yorkshire  
ENGLAND BD17 7DZ

**406.12 Tamper-Resistant Receptacles.** Tamper-resistant receptacles shall be installed as specified in 406.12(A) through (C).

SEE 210.52 BELOW

**(A) Dwelling Units.** In all areas specified in 210.52, all nonlocking-type 125-volt, 15- and 20-ampere receptacles shall be listed tamper-resistant receptacles.

**(B) Guest Rooms and Guest Suites of Hotels and Motels.** All nonlocking-type 125-volt, 15- and 20-ampere receptacles located in guest rooms and guest suites of hotels and motels shall be listed tamper-resistant receptacles.

**(C) Child Care Facilities.** In all child care facilities, all nonlocking-type 125-volt, 15- and 20-ampere receptacles shall be listed tamper-resistant receptacles.

*Exception to (A), (B), and (C): Receptacles in the following locations shall not be required to be tamper resistant:*

- (1) Receptacles located more than 1.7 m (5 ½ ft) above the floor.*
- (2) Receptacles that are part of a luminaire or appliance.*
- (3) A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and plug-connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).*
- (4) Nongrounding receptacles used for replacements as permitted in 406.4(D)(2)(a).*

- (6) Connection of utilization equipment to facilitate frequent interchange.]*
- (7) Prevention of the transmission of noise or vibration.]*
- (8) Appliances where the fastening means and mechanical connections are specifically designed to permit ready removal for maintenance and repair, and the appliance is intended or identified for flexible cord connection.*

**210.52 (A) General Provisions.** In every kitchen, family room, dining room, living room, parlor, library, den, sunroom, bedroom, recreation room, or similar room or area of dwelling units, receptacle outlets shall be installed in accordance with the general provisions specified in 210.52(A)(1) through (A)(4).

**(1) Spacing.** Receptacles shall be installed such that no point measured horizontally along the floor line of any wall space is more than 1.8 m (6 ft) from a receptacle outlet.

**(2) Wall Space.** As used in this section, a wall space shall include the following:

- (1) Any space 600 mm (2 ft) or more in width (including space measured around corners) and unbroken along the floor line by doorways and similar openings, fireplaces, and fixed cabinets
- (2) The space occupied by fixed panels in exterior walls, excluding sliding panels
- (3) The space afforded by fixed room dividers, such as freestanding bar-type counters or railings

**(3) Floor Receptacles.** Receptacle outlets in **or on** floors shall not be counted as part of the required number of receptacle outlets unless located within 450 mm (18 in.) of the wall.



**(4) Countertop Receptacles.** Receptacles installed for countertop surfaces as specified in 210.52(C) shall not be considered as the receptacles required by 210.52(A).

SEE 210.52(C) BELOW

LOCATION, FREQUENCY, AND REQUIREMENTS FOR COUNTERTOP OUTLETS

**210.52 (C) Countertops.** In kitchens, pantries, breakfast rooms, dining rooms, and similar areas of dwelling units, receptacle outlets for countertop spaces shall be installed in accordance with 210.52(C)(1) through (C)(5).

**(1) Wall Countertop Spaces.** A receptacle outlet shall be installed at each wall countertop space that is 300 mm (12 in.) or wider. Receptacle outlets shall be installed so that no point along the wall line is more than 600 mm (24 in.) measured horizontally from a receptacle outlet in that space.

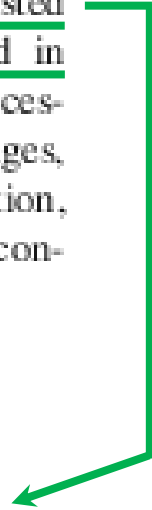
**(2) Island Countertop Spaces.** At least one receptacle shall be installed at each island countertop space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater.

**(3) Peninsular Countertop Spaces.** At least one receptacle outlet shall be installed at each peninsular countertop space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater. A peninsular countertop is measured from the connecting edge.

**(4) Separate Spaces.** Countertop spaces separated by rangetops, refrigerators, or sinks shall be considered as separate countertop spaces in applying the requirements of 210.52(C)(1). If a range, counter-mounted cooking unit, or sink is installed in an island or peninsular countertop and the depth of the countertop behind the range, counter-mounted cooking unit, or sink is less than 300 mm (12 in.), the range, counter-mounted cooking unit, or sink shall be

considered to divide the countertop space into two separate countertop spaces. Each separate countertop space shall comply with the applicable requirements in 210.52(C).

**(5) Receptacle Outlet Location.** Receptacle outlets shall be located on or above, but not more than 500 mm (20 in.) above, the countertop. Receptacle outlet assemblies listed for the application shall be permitted to be installed in countertops. Receptacle outlets rendered not readily accessible by appliances fastened in place, appliance garages, sinks, or rangetops as covered in 210.52(C)(1), Exception, or appliances occupying dedicated space shall not be considered as these required outlets.



NOTICE OF COMPLETION  
AND  
AUTHORIZATION TO APPLY THE UL MARK



03/07/2013

Cardinal Innovations Ltd  
Mr. ANDREW CLARKE  
Systems House  
Ives Street  
ShIPLEY Bd17 7dz, Gb

Our Reference: File E359914, Vol. 1 Project Number 12CA70236  
Your Reference: 054  
Project Scope: USL, CNL - Furniture Power Distribution Units, Models S-BOX POWER BOX 3 SOCKET.



Brilliant, yet simple. Solid steel construction, tested, listed and splash tested by UL .  
. . . . . at last, a proper "designer" socket outlet pop-up solution!