

US NATIONAL ELECTRICAL CODE (NEC) 2020 (“extract statement”)

WALL SOCKETS

“Article 210.52(A)(1) states: Receptacles shall be installed such that no point measured horizontally along the floor line of any wall space is more than 6ft from a receptacle outlet.

This spacing is chosen so that a lamp, computer, television, or other appliance will never be more than 6 feet away from an electrical outlet.
Spacing outlets more frequently is allowed, but it is not required by code. If the space receives heavy use, such as with people charging phones or plugging in laptops, shorter spacing between outlets may be a good idea.”

COUNTERTOPS & ISLANDS

“**Within the same section of the 2020 NEC, it has been revised to require at least one receptacle within the first nine square feet of an island countertop and an additional receptacle for every 18 square feet more, or fraction thereof.**”

Amperage of Outlet Receptacles

“General-purpose outlet receptacles should have a rating that is appropriate for the amperage of the circuit they serve. Generally, these household circuits will provide 15-amps or 20-amps of service, and the outlet receptacle rating should not exceed this amperage.”

“**There is no danger to installing 15-amp outlet receptacles on a 20-amp circuit (in fact, this is the standard practice, especially for supplemental low power accessories and countertop convenience)** but under no circumstances should a 20-amp receptacle be installed on a 15-amp circuit.”

“A 20-amp receptacle is designed to accept the special plug on heavier-use appliances, and if such an appliance plugs into a 15-amp circuit, there is a danger of drawing too much power and overloading the circuit. **A 20-amp receptacle is only installed on a 20-amp or larger circuit, and it is generally reserved for locations where a heavy-duty appliance is typically used, such as an outlet that might power a space heater.**”

What is a GFCI Receptacle?

“**You can tell if a receptacle is a GFCI one or not by the way it looks. The GFCI is integrated into an electrical outlet and it typically has a red (or possibly white) reset button on the outlet's faceplate. The outlet monitors how much energy is going into it when in use**



“If the receptacle senses any sort of an electrical overload or imbalance, it is designed to trip the circuit in a fraction of a second.

GFCI receptacles are generally used instead of a standard outlet receptacle to offer protection to single outlet location”

S-Box™ Pop-up Countertop Sockets feature their own built-in Mini Circuit Breaker (MCB) with current overload protection pre-set to 15A.
MCB = GFCI 😊

