

**2008 NEC® Code Change**

**Mandates Tamper-Resistant Receptacles in all New Residential Construction**

2008 NEC Code Change – Section 406.11 requires that all 15- and 20-ampere receptacles installed in dwelling units in accordance with Section 210.52 to be listed tamper-resistant receptacles.

**Features and Benefits:**

- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong plug is inserted, helping ensure hairpins, keys, etc., will be locked out.
- TR symbol on residential receptacles assures they meet the 2008 NEC requirement.
- Heavy-duty construction offers long, trouble-free service life.
- Weather-Resistant Receptacles
  - Meet UL 498 requirements for weather-resistant receptacles.
  - UV resistant thermoplastic face also withstands cold impact.
  - Stainless steel mounting strap, terminal screws and mounting screws.
  - Conformal coating provides additional protection of PC board and electronic components.
- Limited Two-Year Warranty

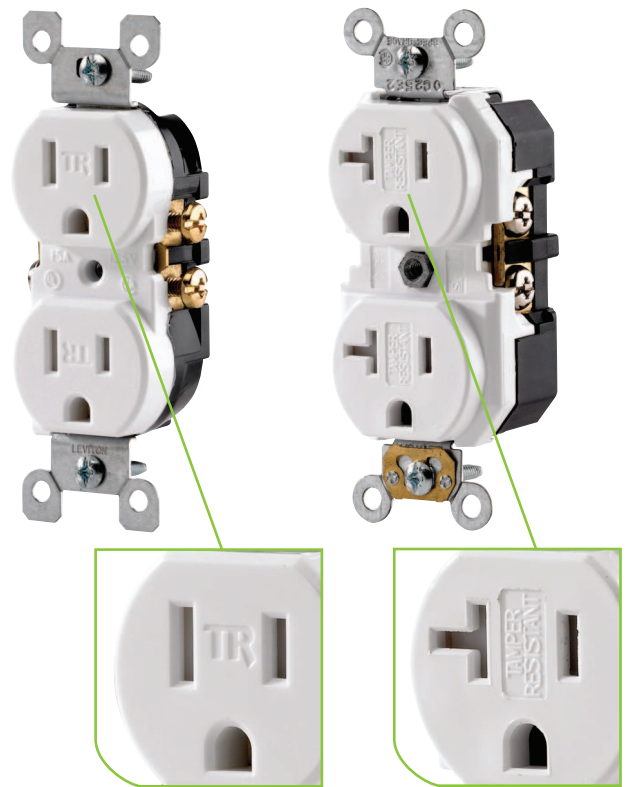


**Applications:**

- New or renovated single- and multi-family housing.
- Schools, libraries, childcare facilities.
- Protecting children from electrical shock injuries due to inserting objects into receptacles.

**Agency Standards:**

- UL Listed:
  - TR and Weather Resistant Receptacles TWR15 and TWR20 (File #E-13399)
  - TR Combination Devices (File #E-7458)
  - Smartlockpro® TR GFCI and Weather Resistant Receptacle W7599-TR (File #E-48380)
- CSA Certified: All TR Devices (File #152105)
- NOM Certified: #057 where applicable.



† Ten-year study (1991-2001) of National Electronic Injury Surveillance System (NEISS) data. Over 24,000 children under 10 years old were treated in Emergency Rooms for incidents related to electrical receptacles; averaging 2,400 per year, 7 per day.

## Plug Into Safety™ with the New Line of Tamper-Resistant (TR) Receptacles

We make it easy for you to comply with the 2008 NEC mandate for TR Receptacles in all new residential housing. This requirement results from a Consumer Product Safety Commission study† (see below) that documented injuries in the home caused each year by children attempting to insert foreign objects into receptacles. TR receptacles have been mandated in hospital pediatric wards for over 20 years and have proven to effectively prevent electrical injuries.

As a long-time distributor of tamper-resistant devices, we are pleased to be at the forefront of this safety measure with an expanded product line that encompasses a wide range of TR devices in Residential and Commercial Grades. As more states and municipalities adopt the 2008 NEC code, we expect it to have a major impact on your market. Although there will be an increase in cost per product, it is negligible compared to the priceless value of protecting children. To smooth the transition and help you meet your 2008 new construction needs, we provide a handy crossreference of standard and TR catalog numbers on the following pages.

### FAQs About Tamper-Resistant Receptacles and the 2008 NEC® Code Change

With child safety its highest priority, the 2008 National Electrical Code is mandating the installation of tamper-resistant receptacles in all new residential construction.

We are ready for the change with an expanded line of tamper-resistant receptacles, including Duplex and Decora® devices, and tamper-resistant GFCIs. For a complete list of product numbers, see the the following pages.

To ease the transition and help you meet the new guidelines, we have prepared the following frequently asked questions.

#### Q. Why has the NEC acted now?

A. The NEC has acted in response to a Consumer Product Safety Commission study that documented injuries caused each year by children attempting to insert objects into receptacles. These injuries ranged from electrical shocks to burns and fatalities.

#### Q. Does the new requirement apply to commercial buildings?

A. Right now the mandate is limited to new construction in single-family and multi-family housing. Most of these injuries occur in the home.

#### Q. Where else are tamper-resistant receptacles mandated?

A. They have been mandated in hospital pediatric wards for over 20 years and have proven to effectively help prevent electrical injuries.

#### Q. Have all the states adopted the 2008 NEC code mandate?

A. Not at this time. Please contact your local building inspector's office for information on code acceptance in your area.

#### Q. How will this code change impact my stocking requirements?

A. You will need to stock a sufficient supply of TR receptacles to cover your new construction needs, as well as the standard product for replacement needs and non-residential applications.

#### Q. Do you have tamper-resistant receptacles that correspond to the standard devices I usually install in homes?

A. We have a complete cross-reference of receptacles that correspond to existing product numbers. See the following pages for listings.

#### Q. What do I need to tell my customers about TR receptacles to minimize callbacks?

A. Tell them they may have difficulty inserting some plugs into the receptacles. Prongs have to be perfectly straight to work with TR receptacles. Inexpensive adapters are available as a solution. In some cases, frayed or damaged plugs may have to be replaced; if other damage exists, the appliance should be replaced.

#### Q. Will my customers be able to distinguish tamper-resistant receptacles from standard receptacles?

A. TR receptacles are required to be marked with "TR" or "Tamper Resistant" on the receptacle face.

#### Q. Will the new TR receptacles cost more than standard residential receptacles?

A. There will be an increase in cost per product, but it is negligible compared to the value of protecting children and reducing injuries due to electrical shock.

#### Q. Who should I contact for the new pricing?

A. Contact your local representative for any information you may need.

#### Q. What other support materials exist to help introduce these receptacles to my customers?

A. You will find additional informations at the NEMA child safety site: [www.childoutletsafety.org](http://www.childoutletsafety.org)  
There is also a video from the National Electrical Manufacturers Association (NEMA) at [www.childoutletsafety.org/video.html](http://www.childoutletsafety.org/video.html)

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## STANDARD AND TR RECEPTACLE CROSS-REFERENCE

### RESIDENTIAL RECEPTACLES Duplex Receptacles

NEMA 5-15R 

Description	Standard Receptacle Catalog Number	TR Receptacle Catalog Number	Rating	TR Color* (Basic Cat. No. denotes Brown)
Duplex Receptacle, Quickwire Push-in and Side Wired	5320	T5320	15A-125V	W, I, A, T, E
Decora® Duplex, Quickwire Push-in and Side Wired	5325	T5325	15A-125V	W, I, A, T, E

### Combination Devices

Single Pole Switch/Receptacle with ground screw	5225	T5225	Switch: 15A-120VAC Receptacle: 15A-125V	W, I, A, T
Decora Single Pole Switch/Receptacle with ground screw	5625	T5625	Switch: 15A-120VAC Receptacle: 15A-125V	W, I, A, T, E

### Smartlockpro® GFCI - Back and Side Wired

NEMA 5-15R and 5-20R  

GFCI with LED Indicator Light	7599	T7599	15A-125V @ Receptacle, 20A-125V @ Feed-Through	W, I, A, T
GFCI with LED Indicator Light	7899	T7899	20A-125V @ Receptacle, 20A-125V @ Feed-Through	W, I, A, T

### COMMERCIAL GRADE RECEPTACLES Straight Blade Receptacles

NEMA 5-15R and 5-20R  

Description	Standard Receptacle Catalog Number	TR Receptacle Catalog Number	Rating	TR Color* (Basic Cat. No. denotes Brown)
Duplex Receptacle, Back and Side Wired	BR15	TBR15	15A-125V	W, I, GY
Duplex Receptacle, Back and Side Wired	BR20	TBR20	20A-125V	W, I, GY
Duplex Receptacle, Side Wired	CR15	CR15S	15A-125V	W, I, T
Decora Plus Duplex™ Receptacle, Side Wired	16242	DR15S	15A-125V	W, I, A, T
Decora Plus Duplex Receptacle, Back and Side Wired	16252	TDR15	15A-125V	W, I, GY, E
Decora Plus Duplex Receptacle, Back and Side Wired	16352	TDR20	20A-125V	W, I, GY, E
Single Receptacle, Side Wired	5015	T5015	15A-125V	W, I
Single Receptacle, Side Wired	5801	T5020	20A-125V	W, I

### Weather Resistant Receptacles

NEMA 5-15R and 5-20R  

Duplex Receptacle, 2-Pole, 3-Wire, Self-Grounding	WBR15 (Yellow only)	TWR15	15A-125V	W, GY (n/a in Brown)
Duplex Receptacle, 2-Pole, 3-Wire, Self-Grounding	WBR20 (Yellow only)	TWR20	20A-125V	W, GY (n/a in Brown)
Outdoor Grade Smartlockpro GFCI Receptacle, Back and Side Wired, with LED Indicator Light	N/A	W7599-TR	15A-125V @ Receptacle 20A-125V @ Feed-Through	W, E (n/a in Brown)

\* TR Color: Basic Cat. Nos. denote Brown, unless otherwise noted. For color selection, add suffix to catalog number as follows: White (-W), Ivory (-I), Almond (-A), Light Almond (-T), Gray (-GY) and Black (-E).

