



# Tamper & Weather Resistant Receptacles

Proven safety solutions for compliance with 2011 National Electrical Code® requirements

**COOPER** Wiring Devices



# 2011 NEC® Receptacle Requirements

## Code compliant protection from electrical injury

The 2011 National Electrical Code has been updated to ensure proper receptacle safety in Dwelling Units, Guest Suites, and Child Care facilities.

### 2011 NEC® Requirements for Receptacles

#### 406.12 Tamper Resistant Receptacles in Dwelling Units

All non-locking type 15A and 20A, 125V receptacles in a dwelling unit (210.52) must be Listed as Tamper Resistant, excluding the following locations:

- Receptacles located more than 5 ½ ft above the floor
- Receptacles that are part of a luminaire or appliance
- Receptacles located within dedicated space for an appliance that in normal use isn't easily moved
- Non-grounding receptacles used for replacements as permitted in 406.4(D)(2)(a)

#### 406.13 Tamper Resistant Receptacles in Guest Rooms and Guest Suites

All non-locking type 15A and 20A, 125V receptacles in guest rooms and guest suites must be Listed as Tamper Resistant.

#### 406.14 Tamper Resistant Receptacles in Child Care Facilities

All non-locking type 15A and 20A, 125V receptacles in child care facilities (406.2) must be Listed as Tamper Resistant.

#### 406.9 Weather Resistant Receptacles

All 125 and 250 volt, 15 and 20 ampere non-locking receptacles shall be Listed as weather resistant type in damp and wet locations.

- Weather protective covers alone do not guarantee protection against potential exposure; in damp and wet locations weather resistant receptacles in weather protective covers must be used.
- Outdoor weather resistant receptacles must provide resistance to temperature extremes, excessive ultraviolet light and the effects of aging.
- UL Listed devices must have a "WR" marking clearly visible when installed.



Each year, more than 2,400 children are injured by inserting foreign objects into receptacles.

According to a 10-year study of National Electronic Injury Surveillance System (NEISS) data.



"TR" mold mark provides quick visual confirmation of tamper resistance when installed.



"WR" identifier quickly indicates during inspections that a weather resistant device has been installed.



Both the "TR" mold mark and "WR" identifier are clearly visible in the finished installation, indicating double-layer protection for maximum safety.

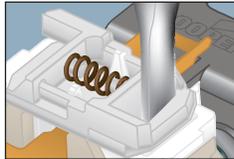


### Tamper Resistant Receptacles

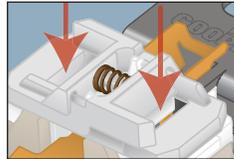
Tamper Resistant receptacles feature a built-in UL Listed safety shutter system that prevents the insertion of foreign objects into the receptacle openings. The safety shutters will only open when a two-bladed plug presses simultaneously against the two shutters.



**TR Receptacle Internal Components:** Receptacle openings are restricted by internal shutters (show above).



**Blocked Insertion:** Insertion of object in any one side will not open shutters.



**Successful Insertion:** Insertion of two-bladed plug at the same time will open shutters.



### Weather Resistant Receptacles

Weather Resistant receptacles offer protection from rain, snow, ice, moisture, & humidity when properly installed in an approved weather protective or while-in-use cover. The design of the Weather Resistant receptacles is distinctive because of the durable nylon housing and corrosion resistant metal components. Combine WR receptacles with any of our WeatherBox™ While-in-Use Protective Covers for tough protection against the elements in any residential or commercial outdoor application.



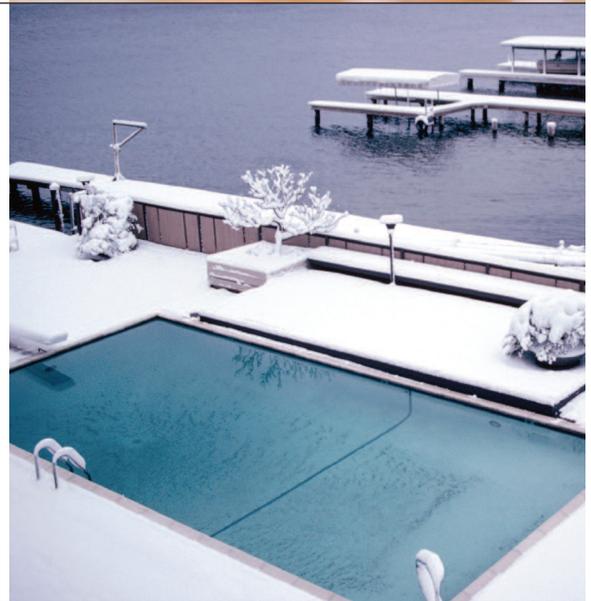
*Weather Resistant Receptacles with corrosion resistant metal components*



*WeatherBox Cast Aluminum While-In-Use Protective Cover, Single-Gang*



*WeatherBox Polycarbonate While-In-Use Protective Cover, Single or 2-Gang*



### Tamper & Weather Resistant Receptacles

Tamper and Weather Resistant Receptacles provide both tamper resistant safety and ensure weather resistance in wet and damp outdoor locations.

Areas that demand the use of Tamper & Weather Resistant Receptacles include:



*Homes & Apartments*



*Assisted Living Facilities & Retirement Communities*



*Public Facilities & Recreational Areas*



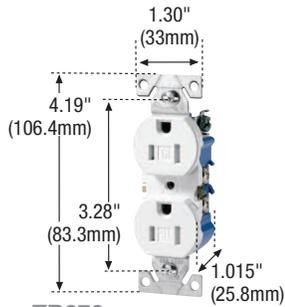
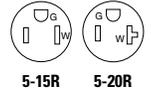
# TR Receptacles

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

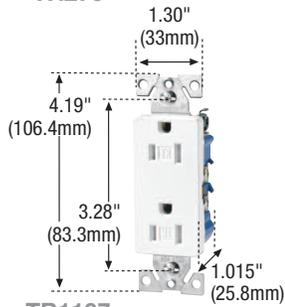


## Tamper Resistant Receptacles

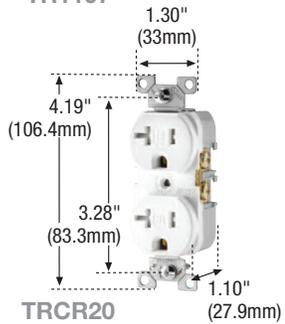
2-Pole, 3-Wire  
15A, 125V/AC  
20A, 125V/AC



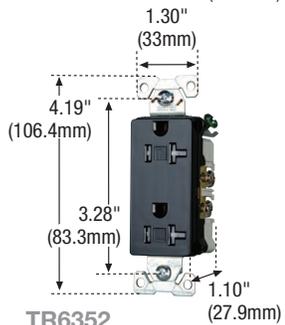
TR270



TR1107



TRCR20



TR6352



TR5797

### Single & Duplex Receptacles

#### FEATURES

- Provides compliance with 2011 NEC® Articles 406.12 – 406.14 for Tamper Resistant Receptacles.
- "TR" designation provides visual identification.
- Side-wire terminals accept up to #10 solid or stranded wire.
- Push-in terminals accept #14 solid wire (TR270, TR1107, TR780, & 9500TR duplex devices only).
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure, provides redundant measure of ground continuity where jumper used (TRCR only).
- Durable impact-resistant thermoplastic face and back body is virtually unbreakable.

#### Residential Grade, Single and Duplex



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex Receptacle	□ TR270__	A, B, BK, LA, V, W
			Duplex Receptacle, Auto Grounding	□ TR270-9__	A, B, BK, LA, V, W
			Decorator Duplex Receptacle	□ TR1107__	A, B, BK, GY, LA, V, W
			Decorator Duplex Receptacle, Auto Grounding	□ TR1107-9__	A, B, BK, GY, LA, V, W

#### Commercial Grade, Single & Duplex



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Single Receptacle, Side Wire	□ TR817__	A, B, BK, GY, LA, V, W
			Duplex Receptacle, Side Wire	□ TRCR15__	A, B, BK, GY, LA, V, W
			* Duplex Receptacle, Back & Side Wire	□ TRBR15__	A, B, BK, GY, LA, V, W
			Decorator Single Receptacle, Back & Side Wire	□ TR6250__	A, B, BK, GY, LA, V, W
			* Decorator Duplex Receptacle, Back & Side Wire	□ TR6252__	A, B, BK, GY, LA, V, W
20A	125V	5-20R	Single Receptacle, Side Wire	□ TR1877__	A, B, BK, LA, V, W
			Duplex Receptacle, Side Wire	□ TRCR20__	A, B, BK, GY, LA, V, W
			* Duplex Receptacle, Back & Side Wire	□ TRBR20__	A, B, BK, GY, LA, RD, V, W
			Decorator Single Receptacle, Back & Side Wire	□ TR6350__	A, B, BK, GY, LA, V, W
			* Decorator Duplex Receptacle, Back Side Wire	□ TR6352__	A, B, BK, GY, LA, V, W

#### Commercial Floor Box



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Single Floor Box Assembly	□ TR5797	Black, Brass Assembly

For ordering, include Cat. No. followed by the color code: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White)

NAFTA Compliant

#### TESTING & CODE COMPLIANCE

- cULus Listed to UL498, UL943 file nos. E60120 (TRVGF, 9566, 9569), E15058 UL948 (all others),
- cUL Certified to CSA C22.2, no. 42.
- TRBR, UL verified to Fed. Spec. WC-596G.
- NOM/ANSI Certified.
- TR5797, cULus File E92122, UL498 & UL514C
- cUL to CSA C22.2 No. 18, CSA C22.2 No 42

#### MATERIAL CHARACTERISTICS

- Environmental: Flammability meets UL94 requirements; TR817, TR1877, TR6250, TR6252, TR6350, TR6352, TRBR, TR270, TR1107, TRCR V2 rated; TR5797 V0 rated.
- Temperature Rating: TR270, TR1107, TRCR: -20°C to 60°C (-4°F to 140°F); TR817, TR1877, TR6250, TR6252, TR6350, TR6352, TRBR: -20°C to 70°C (-4°F to 158°F); TR5797: -40°C to 65°C (-40°F to 149°F)

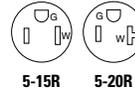
# TR Receptacles

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



## Tamper Resistant Receptacles

2-Pole, 3-Wire  
15A, 125V/AC  
20A, 125V/AC



### Single & Duplex Receptacles

#### FEATURES

- Provides compliance with 2011 NEC® Articles 406.12 – 406.14 for Tamper Resistant Receptacles.
- “TR” designation provides visual identification.
- Side-Wire terminals accept up to #10 solid or stranded wire.
- Push-in terminals accept #14 solid wire (TR270, TR1107, TR780, & 9500TR Duplex devices only).
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure, provides redundant measure of ground continuity where jumper used (Combination Devices only).
- Durable impact-resistant thermoplastic face and back body is virtually unbreakable.
- Combination LED Nightlight features dimmable nightlight that turns on in the dark and off in the light. (TR7735)

#### Construction Grade



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex Receptacle	□ TR5262__	B, GY, LA, V, W
20A	125V	5-20R	Duplex Receptacle	□ TR5362__	B, GY, LA, V, W

#### Specification Grade, Combination



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Combination Single Pole Switch & Receptacle	□ TR274__	A, B, BK, LA, V, W
			Combination 3-Way Switch & Receptacle	□ TR293__	A, B, BK, LA, V, W
			Decorator Combination Single Pole & Receptacle	□ TR7730__	A, BK, LA, V, W
			Decorator Combination LED Nightlight & Receptacle	□ TR7735__	A, LA, V, W
20A	125V	5-20R	Combination Single Pole Switch & Receptacle	□ TR291__	A, B, BK, LA, V, W

#### Specification Grade, GFCI



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex GFCI	□ TRVGF15__	A, B, BK, GY, LA, RD, V, W
20A	125V	5-20R	Duplex GFCI	□ TRVG20__	A, B, BK, GY, LA, RD, V, W

#### Hospital Grade, Receptacles & GFCI



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex Receptacle	□ TR8200__	B, GY, RD, V, W
			Duplex GFCI	□ TRVGFH15__	B, GY, LA, RD, V, W
20A	125V	5-20R	Duplex Receptacle	□ TR8300__	B, GY, RD, V, W
			Duplex GFCI	□ TRVGFH20__	B, GY, LA, RD, V, W

For ordering, include Cat. No. followed by the color code: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White)

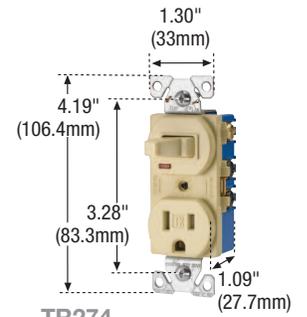
● Hospital Grade

#### TESTING & CODE COMPLIANCE

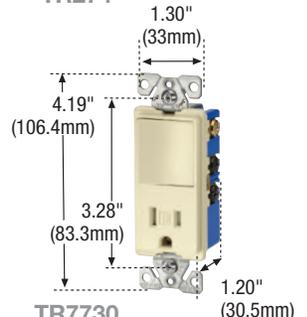
- cULus Listed to UL498, UL943 file nos. E60120 (TRVGF), E15058 (all others), except TR8200 & TR8300: Listed to UL498, file no. E15058.
- cUL Certified to CSA C22.2, no. 42.
- TRVGF meets all UL943 and UL498 requirements.
- TR5262, TR5362, TR8200/8300 UL verified to Fed. Spec. WC-596G.
- NOM/ANSI Certified.
- Combination devices, cULus File E18704, UL20, UL498, cUL File E18704, CSA 22.2

#### MATERIAL CHARACTERISTICS

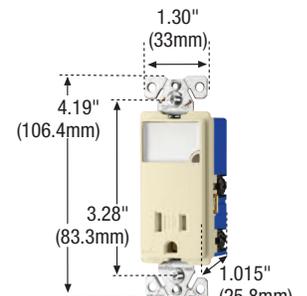
- Environmental: Flammability meets UL94 requirements; TR Combo Devices, TRVGF, TR8200, TR8300, 5262, 5362, V2 rated.
- Temperature Rating: TR Combo Devices: -20°C to 60°C (-4°F to 140°F); TRVGF: -35°C to 66°C (-31°F to 150.8°F); TR8200, TR8300: -40°C to 60°C (-40°F to 140°F); 5262, 5362: -20°C to 70°C (-4°F to 158°F).



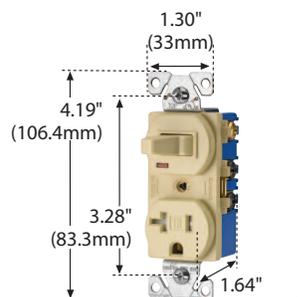
TR274



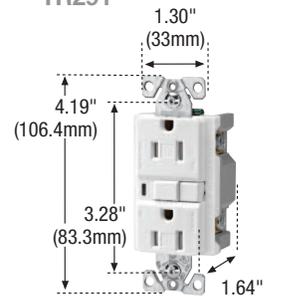
TR7730



TR7735



TR291



TRVGF15

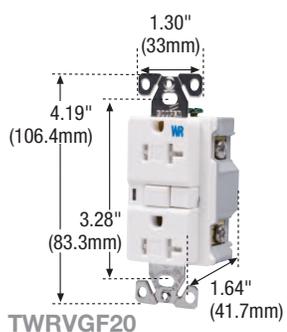
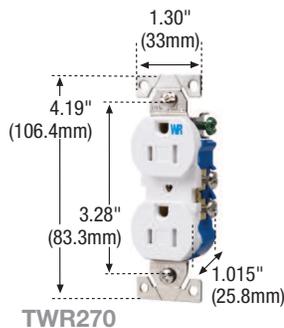
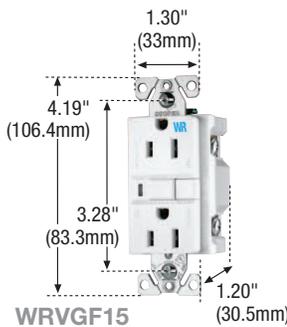
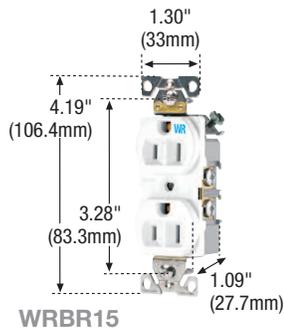
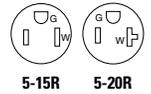
# WR & TWR Receptacles

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



## Weather Resistant and Tamper & Weather Resistant Receptacles

2-Pole, 3-Wire  
15A, 125V/AC  
20A, 125V/AC



### Duplex Receptacles

#### FEATURES

- Nickel-plated strap & mounting screws, and stainless steel terminal screws for corrosion resistance.
- Provides compliance with 2011 NEC® Article 406.9 that states that all receptacles installed in wet and damp locations must be weather resistant.
- Manufactured with the highest grade of materials; durable impact-resistant thermoplastic face and back body is virtually unbreakable.
- “TR” and “WR” designations provide visual identification.
- Terminal screws are backed out and ready to wire.
- Patented built-in wire stripper for #14 and #12 wire to speed installation.
- Side-wire terminals accept up to #10 solid or stranded wire.
- Push-in terminals accept #14 solid wire (TWR270 only).

#### WR Commercial Grade, Duplex



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex Receptacle, Back & Side Wire	<input type="checkbox"/> WRBR15__	B, GY, V, W
20A	125V	5-20R	Duplex Receptacle, Back & Side Wire	<input type="checkbox"/> WRBR20__	B, GY, V, W

#### WR Specification Grade GFCI



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex GFCI	<input type="checkbox"/> WRVGF15__	B, GY, V, W
20A	125V	5-20R	Duplex GFCI	<input type="checkbox"/> WRVG20__	B, GY, V, W

#### TWR Residential Grade, Duplex



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex Receptacle	<input type="checkbox"/> TWR270__	LA, V, W

#### TWR Commercial Grade, Duplex



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex Receptacle, Back & Side Wire	<input type="checkbox"/> TWRBR15__	B, GY, V, W
20A	125V	5-20R	Duplex Receptacle, Back & Side Wire	<input type="checkbox"/> TWRBR20__	B, GY, V, W

#### TWR Specification Grade, GFCI



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Duplex GFCI	<input type="checkbox"/> TWRVGF15__	B, GY, LA, V, W
20A	125V	5-20R	Duplex GFCI	<input type="checkbox"/> TWRVG20__	B, GY, LA, V, W

For ordering, include Cat. No. followed by the color code: B (Brown), GY (Gray), LA (Light Almond), V (Ivory), W (White)

#### TESTING & CODE COMPLIANCE

- cULus Listed to UL498.
- cUL Certified to CSA C22.2, no. 42.
- WRVGF & TWRVGF meet all UL943 (GFCI) and UL498 (Receptacles) requirements.
- WRBR and TWRBR UL verified to Fed. Spec. WC-596G.
- NOM/ANSI Certified.

#### MATERIAL CHARACTERISTICS

- Environmental: Flammability meets UL94 requirements; TWR270 V2 rated; WRVGF, WRBR, TWRBR, TWRVGF V2 rated.
- Temperature Rating: TWR270: -20°C to 60°C (-4°F to 140°F); WRVGF, TWRVGF: -35°C to 66°C (-31°F to 151°F); WRBR, TWRBR: -20°C to 70°C (-4°F to 158°F).

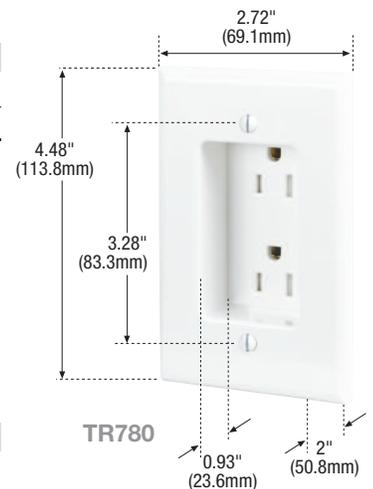
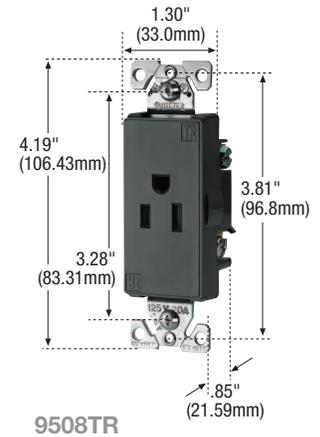
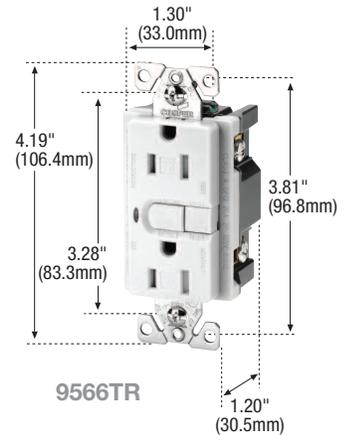
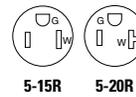
# TR Receptacles

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



## Tamper Resistant Receptacles

2-Pole, 3-Wire  
15A, 125V/AC  
20A, 125V/AC



### ASPIRE Collection & Recessed Receptacles

#### FEATURES

- Designed to coordinate with the unique look of the ASPIRE Design System - Available in three distinctive, two-tone color combinations – White Satin, Desert Sand and Silver Granite.
- Features our correct wiring/trip indicator light technology, making certain that every installation is properly wired to provide optimal protection.
- Indicator light provides quick visual reference of a tripped or “end of life” condition.
- Reset button lock-out function protects from miswired line-load connections and GFCI circuitry damage.
- Trip threshold (5ma+/-1ma) and response time (0.025 sec.) meet Class A requirements.
- Ultrasonically welded backbody.
- 20 amp feed-through rating allows full protection of downstream receptacles when wired from load side.
- Ground screw backwiring clamp for fast, secure termination.
- Maximum wiring flexibility is provided with 8 separate backwiring holes that accept up to #10 AWG stranded or solid wire.
- Longer, wider “bridged” strap provides 40% more contact area with wallboard, virtually eliminating floating installations.

#### ASPIRE Receptacles & GFCI



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	ASPIRE Duplex Receptacle	□ 9505TR__	AW, DS, SG, WS
			ASPIRE Single Receptacle	□ 9507TR__	AW, DS, SG, WS
			ASPIRE Duplex GFCI	□ 9566TR__	AW, DS, SG, WS
20A	125V	5-20R	ASPIRE Duplex Receptacle	□ 9510TR__	AW, DS, SG, WS
			ASPIRE Single Receptacle	□ 9508TR__	AW, DS, SG, WS
			ASPIRE Duplex GFCI	□ 9569TR__	AW, DS, SG, WS

#### Residential Grade, Recessed



A	V/AC	NEMA	Description	Catalog No.	Available Colors
15A	125V	5-15R	Recessed Single Receptacle	□ TR775__	W
			Recessed Duplex Receptacle	□ TR780__	W

For ordering, include Cat. No. followed by the color code: AW (Alpine White), DS (Desert Sand), SG (Silver Granite), W (White), WS (White Satin)

NAFTA Compliant

#### TESTING & CODE COMPLIANCE

- cULus Listed to UL498, file nos. E60120 (9569TR), E15058 (all others): Listed to UL498, file no. E15058.
- cUL Certified to CSA C22.2, no. 42.
- NOM/ANSI Certified.

#### MATERIAL CHARACTERISTICS

- Environmental: Flammability meets UL94 requirements; 9566TR, 9569TR, 9505TR, 9507TR, 9508TR, 9510TR, TR775, TR780, V2 rated;
- Temperature Rating: 9510TR: -20°C to 60°C (-4°F to 140°F); 9505TR, 9507TR, 9508TR: -20°C to 70°C (-4°F to 158°F); TR775, TR780: -20°C to 70°C (-4°F to 158°F); 9566TR, 9569TR: -35°C to 66°C (-31°F to 150.8°F).

#### Related Products



For more information about Cooper Wiring Device's Weatherproof covers and boxes, use the QR code above or visit: <http://bit.ly/wthrcvr>

For more information about Cooper Wiring Device's complete ASPIRE Collection, use the QR code above or visit: <http://bit.ly/aspiresystem>



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F: 800-329-3055

[www.cooperwiringdevices.com](http://www.cooperwiringdevices.com)  
email: [custserv@cooperwiringdevices.com](mailto:custserv@cooperwiringdevices.com) • [cwdmarketing@cooperindustries.com](mailto:cwdmarketing@cooperindustries.com)

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Cuautitlan, Mexico CP 54800  
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F: +525526207116  
[www.cooperwiringdevices.com.mx](http://www.cooperwiringdevices.com.mx)

**Your Authorized Cooper Wiring Devices Distributor is:**

Cooper Industries, plc.  
600 Travis, Ste. 5600  
Houston, TX 77002-1001  
P: 713-209-8400  
[www.cooperindustries.com](http://www.cooperindustries.com)