Arrow Hart weather resistant and tamper & weather resistant receptacles

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

WRBR15

WRSGF15

TWR270

TWRSGF20

Description

2 pole, 3-wire grounding
15A, 125V/AC
20A, 125V/AC

WR WEATHER RESISTANT   **TWR** TAMPER & WEATHER RESISTANT

Design features

- Provides compliance with 2017 NEC® Article 406.9 that states that all receptacles installed in wet and damp locations must be weather resistant
- Manufactured with the highest grade materials; durable impact-resistant thermoplastic face and back body is virtually unbreakable
- "TR" designation provides visual identification that device has tamper resistant shutters preventing insertion of foreign objects
- "WR" indentifer quickly indicates during inspections that a weather resistant receptacle has been installed
- Terminal screws are backed out and ready to wire
- Extra-long and extra-wide mounting straps
- 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 duplex devices only)

Table 1. TWR residential grade

Catalog no.	Description	Rating			Color suffix
		A	V/AC	NEMA	
☐ TWR270__	Duplex receptacle	15	125	5-15R	GY, LA, V, W

Table 2. WR & TWR specification grade GFCI

Catalog no.	Description	Rating			Color suffix
		A	V/AC	NEMA	
☐ WRSGF15__	Duplex GFCI	15	125	5-15R	B, GY, V, W
☐ WRSGF20__	Duplex GFCI	20	125	5-20R	B, BK, GY, V, W
☐ TWRSGF15__	Duplex GFCI	15	125	5-15R	B, GY, LA, V, W
☐ TWRSGF20__	Duplex GFCI	20	125	5-20R	B, GY, LA, V ,W

Table 3. WR & TWR commercial grade receptacle

Catalog no.	Description	Rating			Color suffix
		A	V/AC	NEMA	
☐ WRBR15__	Duplex receptacle	15	125	5-15R	B, V, W
☐ WRBR20__	Duplex receptacle	20	125	5-20R	B, V, W
☐ TWRBR15__	Duplex receptacle	15	125	5-15R	B, GY, V, W
☐ TWRBR20__	Duplex receptacle	20	125	5-20R	B, V, W

Table 4. WR & TWR commercial grade receptacle

Catalog no.	Description	Rating			Color suffix
		A	V/AC	NEMA	
☐ WRSGF15F__	Duplex GFCI	15	125	5-15R	B, GY, V, W
☐ WRSGF20F__	Duplex GFCI	20	125	5-20R	B, GY, V, W
☐ TWRSGF15F__	Duplex GFCI	15	125	5-15R	B, GY, LA, V, W
☐ TWRSGF20F__	Duplex GFCI	20	125	5-20R	B, GY, LA, V, W

F·T·N

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Applications

Weather resistant receptacles are constructed of enhanced nylon and corrosion resistant metal components for use in damp and wet locations. Installing these receptacles properly in an approved weather protective cover ensures compliance with 2017 NEC Article 406.9. Tamper and weather resistant receptacles add a UL listed safety shutter system that prevents the insertion of foreign objects into receptacles to the weather resistant devices. Installing these receptacles properly in an approved weather protective cover ensures compliance with 2017 NEC Article 406.9 and 406.12. Areas of application include: residential decks, porches, patios, garages and yards; commercial convenience outlets in damp or wet areas; residential, multi-family or commercial dwelling units; residential, multi-family or commercial pool and spa areas; indoor or outdoor public facilities and recreation areas.

Table 5. Specifications

Catalog no.	TWR270 series	WRSGF series	TWRSGF series	WRBR series	TWRBR series	WRSGFF series	TWRSGFF series
Receptacle type	Tamper & weather resistant residential grade duplex	Weather resistant specification grade GFCI	Tamper & weather resistant specifica-tion grade GFCI	Weather resistant commercial grade duplex	Tamper & weather resistant commercial grade duplex	Weather resistant specification grade GFCI NAFTA	Tamper & weather resistant specifcation GFCI NAFTA
Wiring type	Push & side wire	Back & side wire	Back & side wire	Back & side wire	Back & side wire	Back & side wire	Back & side wire
Testing & code compliance	• cULus Listed to UL498 • UL certified to CSA C22.2, no. 42 • NOM/ANSI certified	• cULus Listed to UL498 • UL certified to CSA C22.2, no. 42 • Meets all UL943 (GFCI) and UL498 (receptacles) requirements • NOM/ANSI certified	• cULus Listed to UL498 • UL certified to CSA C22.2, no. 42 • Meets all UL943 (GFCI) and UL498 (receptacles) requirements • NOM/ANSI certified	• cULus Listed to UL498 • UL certified to CSA C22.2, no. 42 • UL verified to Fed. Spec. WC-596G • NOM/ANSI certified	• cULus Listed to UL498 • UL certified to CSA C22.2, no. 42 • UL verified to Fed. Spec. WC-596G • NOM/ANSI certified	• cULus Listed to UL498 • UL certified to CSA C22.2, no. 42 • Meets all UL943 (GFCI) and UL498 (receptacles) requirements • NOM/ANSI certified • NAFTA compliant	• cULus Listed to UL498 • UL certified to CSA C22.2, no. 42 • Meets all UL943 (GFCI) and UL498 (receptacles) requirements • NOM/ANSI certified • NAFTA compliant
Environmental specifications	**Flammability:** Meets UL 94 requirements; V0 rated **Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -35ºC to 66ºC (-31ºF to 150.8ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -35ºC to 66ºC (-31ºF to 150.8ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -20ºC to 70ºC (-4ºF to 158ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -20ºC to 70ºC (-4ºF to 158ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -35ºC to 66ºC (-31ºF to 150.8ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -35ºC to 66ºC (-31ºF to 150.8ºF)
Electrical specifications	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86ºF) after 100 cycles of overload	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Standard - max. 30ºC (86ºF) after 250 cycles of overload @ 150% of rated current (DC). Fed. Spec. - max. 30ºC (86ºF) after 250 cycles of overload @ 200% of rated current (DC)	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Standard - max. 30ºC (86°F) after 250 cycles of overload @ 150% of rated current (DC). Fed. Spec. - max. 30ºC (86°F) after 250 cycles of overload @ 200% of rated current (DC)	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86°F) after 100 cycles of overload	**Dielectric voltage:** Withstands 2000V per UL 498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86°F) after 100 cycles of overload
Mechanical specifications	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device	**Terminal accommodation:** #14 - 10 AWG **Voltage ratings:** Permanently marked on device

Table 6. Materials

| Catalog no.	TWR270 series	WRSGF series	TWRSGF series	WRBR series	TWRBR series
Body top	Thermoplastic, PVC	Thermoplastic, nylon 6/6	Thermoplastic, nylon 6/6	Thermoplastic, nylon 6/6	Thermoplastic, nylon
Body bottom	Thermoplastic, PVC	Thermoplastic, PVC	Thermoplastic, PVC	Thermoplastic, PVC	Thermoplastic, nylon
Strap	Nickel plated steel	Nickel plated steel	Nickel plated steel	Nickel plated steel	Nickel plated steel
Contacts	Brass alloy	Brass alloy	Brass alloy	Brass alloy	Brass alloy
Terminal screws	Brass/nickel plated stainless steel	Brass/nickel plated stainless steel	Brass/nickel plated stainless steel	Brass/nickel plated stainless steel	Brass/nickel plated stainless steel
Terminal clamps	N/A	Nickel plated steel	Nickel plated steel	Nickel plated steel	Nickel plated steel

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Table 7. GFCI status indicator

Test indicator RED LED	Test indicator AMBER LED	Diagnosis	Action suffix
OFF	OFF	Device is functioning properly OR branch circuit may have no power	Manually depress TEST button to trip device. **Amber** light should come ON • If **Amber** light does <u>not</u> come ON, check if there is power to the branch • If **Amber** light does come ON, manually depress the RESET button to restore power to the device • If GFCI does not reset, replace GFCI • If GFCI does reset, device is functioning properly
OFF	**ON**	Device is in tripped state	Manually depress the RESET button to restore power to the device • If GFCI does not reset, replace GFCI
Blinking	OFF	Device's "end of life" indication OR device is in reset state	Manually depress TEST button to trip device. **Amber** light should come ON • If **Amber** light does <u>not</u> come ON, check if there is power to the branch • If **Amber** light does come ON, manually depress the RESET button to restore power to the device • If it does not reset, and/or the blinking continues, replace GFCI
Blinking	**ON**	Device's "end of life" indication OR device is in tripped state	Manually depress the RESET button to restore power to the device • If it does not reset, and/or the blinking continues, replace GFCI

Table 8. Color ordering information

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

B	BK	GY	LA	V	W
Brown	Black	Gray	Lt. Almond	Ivory	White
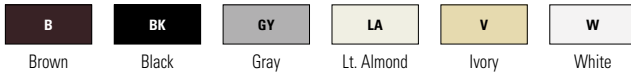
Product dimensions
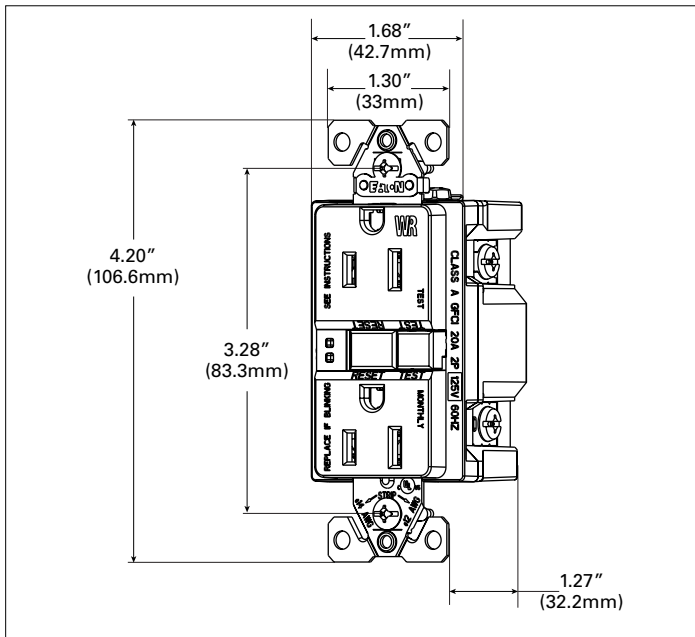
Figure 1. WRSGF15 Line art with dimensions
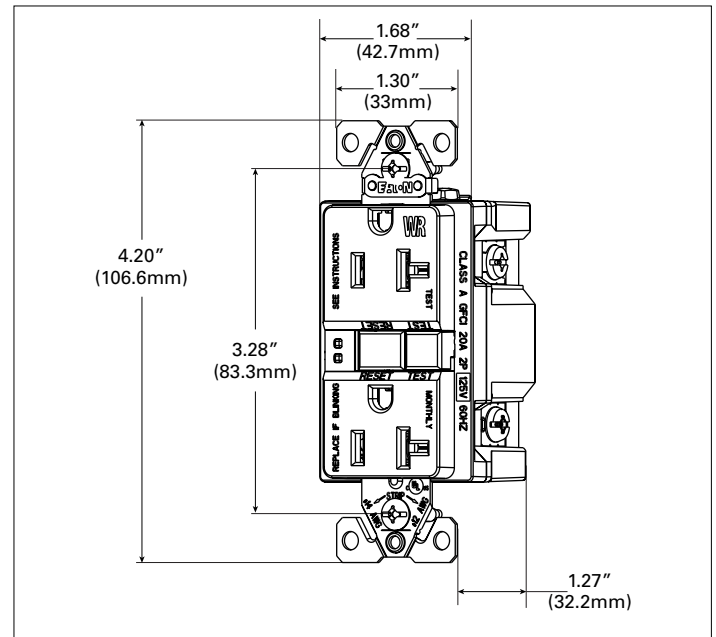
Figure 2. WRSGF20 Line art with dimensions

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

Product dimensions
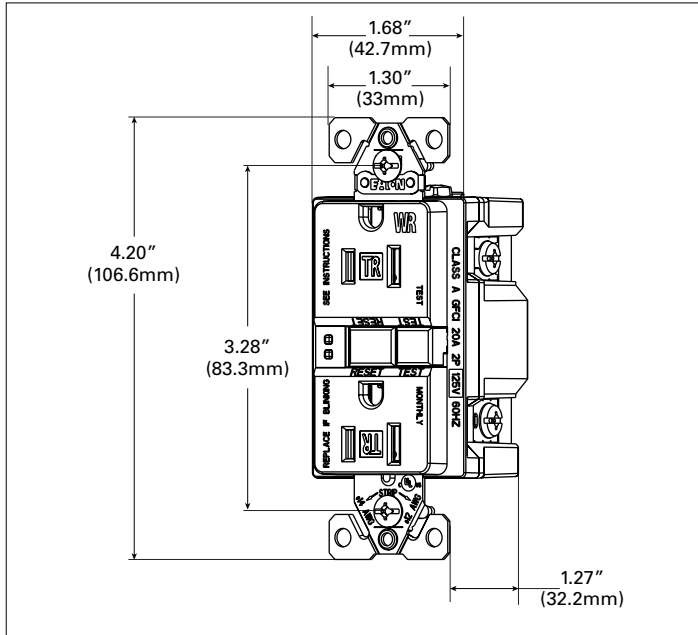
Figure 3. TWRSGF15 Line art with dimensions
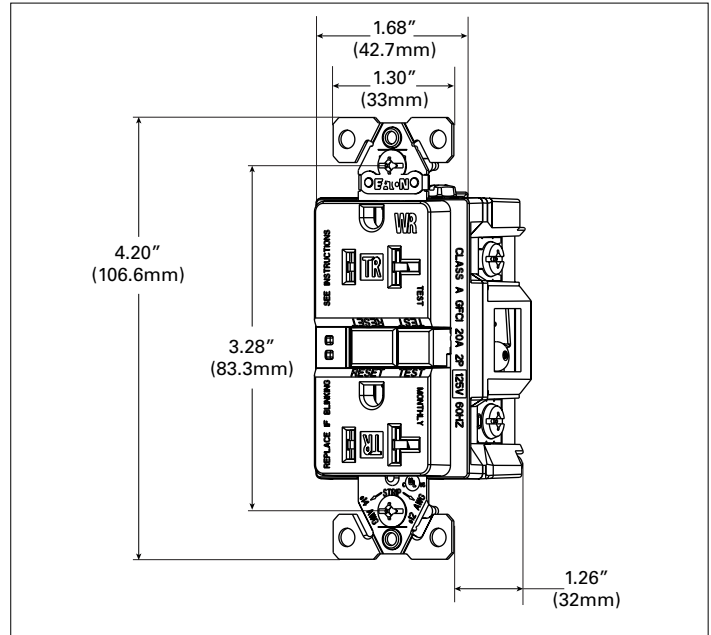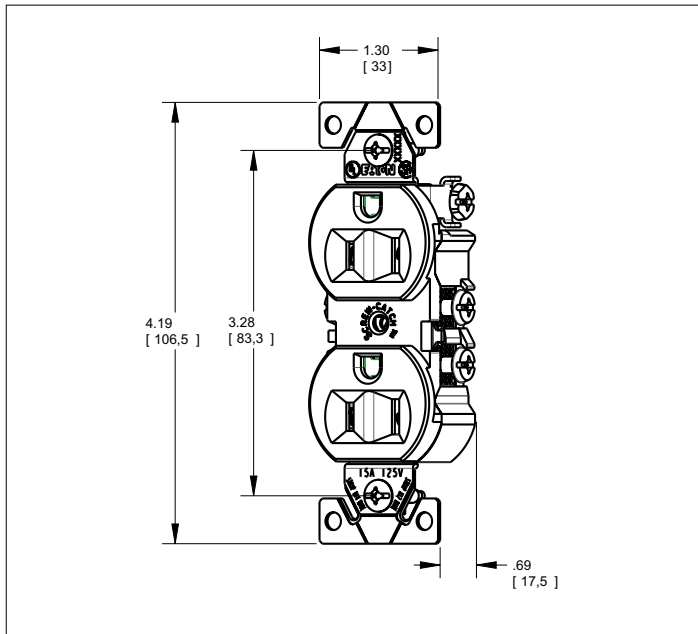

Figure 4. TWRSGF20 Line art with dimensions

Figure 5. TWR270 Line art with dimensions

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

Certifications & compliances

Catalog No.	cULus	Fed Spec	NAFTA	NOM 426	Build-To-Spec	ArrowLink	ROHS
TWR270	•			•	•		
WRSGF15	•		•	•	•		
WRSGF20	•			•	•		
TWRSGF15	•			•	•	•	
TWRSGF20	•			•	•	•	
WRBR15	•	•		•	•		•
WRBR20	•	•		•	•		•
TWRBR15	•	•	•	•	•		•
TWRBR20	•	•		•	•		•
WRSGF15F			•			•	•
WRSGF20F			•			•	•
TWRSGF15F			•			•	•
TWRSGF20F			•			•	•

KEY: cULus   Fed Spec   NAFTA   NOM   ArrowLink   Build-To-Spec   ROHS

Parts are manufactured and designed in accordance with article 4 of the European Union's RoHS2 directive 2011/65/EU

Build-To-Spec Customizable Devices

Compliances, specifications and availability are subject to change without notice.

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