ELECTRIC
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PRODUCT CATALOG

Metallic & Non-Metallic Outlet Boxes, Fiberglass Outlet Boxes, Extra-Duty Bubble Covers, Wiring Devices, Building Wire & Structured Cable, and Lighting

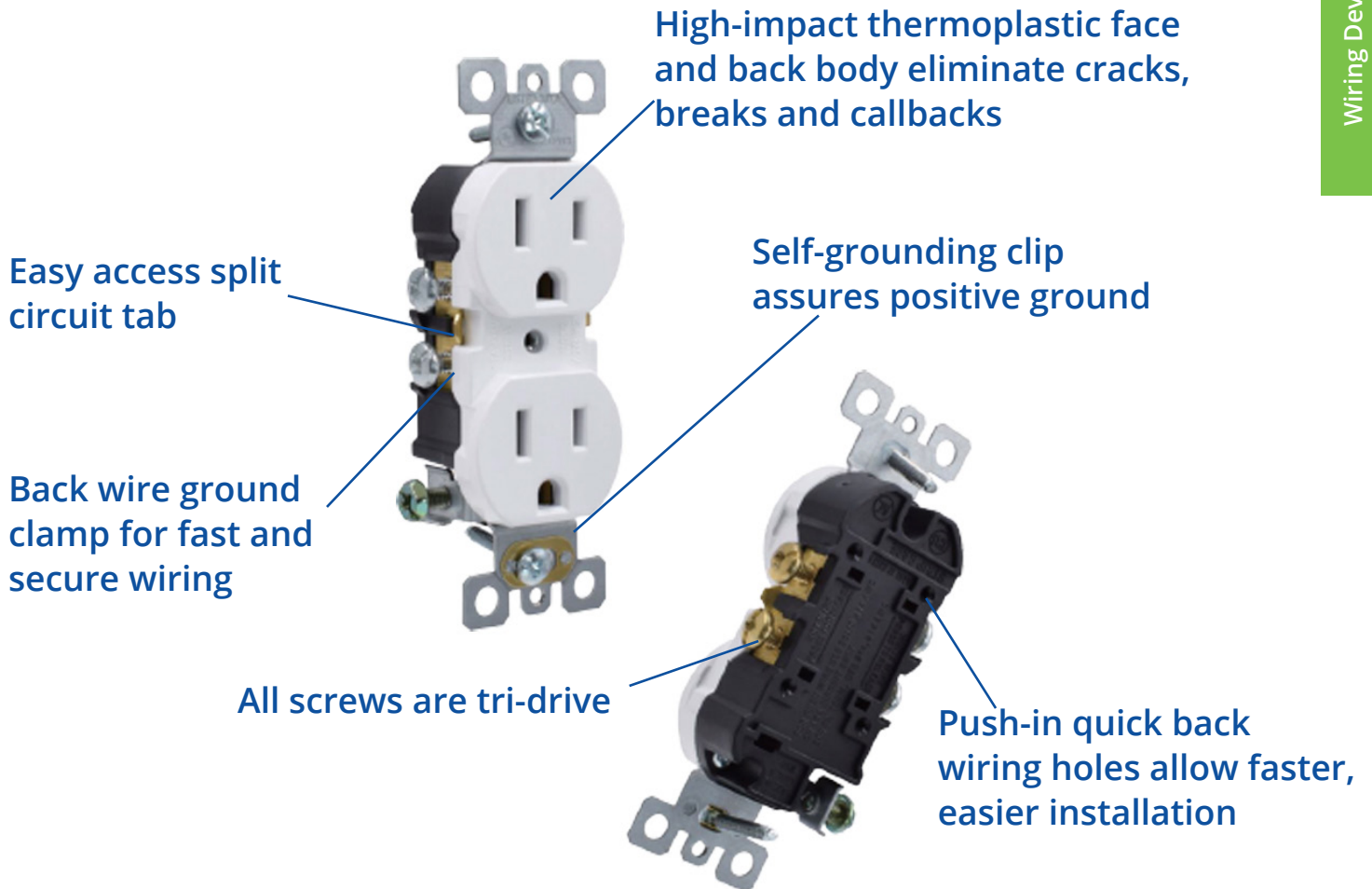A complete line of electrical products designed & manufactured by professionals

UL LISTED

CLASSIFIED UL 2-HR

ETL LISTED

WIRING DEVICES

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OUTLETS

c**UL**us LISTED

RESIDENTIAL GRADE RECEPTACLE

High-impact thermoplastic face and back body eliminate cracks, breaks and callbacks

Self-grounding clip assures positive ground

Easy access split circuit tab

Back wire ground clamp for fast and secure wiring

All screws are tri-drive

Push-in quick back wiring holes allow faster, easier installation
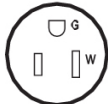
Benefits

- Meets 2017 NEC requirement for tamper resistant and weather resistant.
- Available in standard duplex style or decorative style.
- Captive mounting screws.
- Push wire accepts #14 AWG solid copper wire only.
- Side and back wire accepts #12 - #14 AWG solid.
- High impact-resistant thermoplastic construction.
- Flammability rating is V-2 per UL94.
- Back and side terminal wiring options for ease of installation.
- Self grounding.

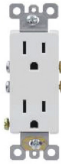### Residential Grade - Duplex Receptacles, 2-Pole, 3-Wire Grounding

Photo	Model	Rating (A.V.)	Function	Wiring Style	Grounding	NEMA
	R2S15 R2ST15	15 120	Standard TR	Push wire & side wire UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	RL2ST15 RL2STW15	15 120	TR TR&WR	Back wire & side wire UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	R2S20	15 120-277	Standard	Side wire only UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	RL2ST20 RL2STW20	15 120-277	TR TR&WR	Back wire & side wire UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	

Residential Grade - Decorative Receptacles, 2-Pole, 3-Wire Grounding

Photo	Model	Rating (A.V.)	Function	Wiring Style	Grounding	NEMA
	R2D15 R2DT15	15 125 15 125	Standard TR	Push wire & side wire UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	RL2DT15 RL2DTW15	15 125 15 125	TR TR&WR	Back wire & side wire UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	R2D20	20 125	Standard	Side wire only UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	
	RL2DT20 RL2DTW20	20 125 20 125	TR TR&WR	Back wire & side wire UL approved for use with copper or copper-clad wire	Groudning / Self-Grounding	

Part Number Key

Residential Grade - 2-Pole, 3-Wire Grounding

| Device	Hole Size	Number of Outlets	Style	Tamper Resistant	Weather Resistant	Color
R = Receptacle	(Blank) = Standard L = 10-AWG Compaible	1 = 1 Outlet 2 = 2 Outlets	S = Standard D = Decorative	(Blank) = Not Tamper Resistant T = Tamper Resistant	(Blank) = Not Weather Resistant W = Weather Resistnat	WH = White GY = Gray

SWITCHES

Residential & Commercial Grade

Decorative Switch

- Accepts #12 and #14 AWG
- Push wire #14 AWG
- High-impact resistant thermoplastic construction
- Narrow back body leaves more space for wires in the box
- Smooth, quiet paddle action
- Easy-access green hex head ground screw
- Tri-drive ground, terminal and mounting screws
- Self-grounding models provide automatic groun clip

Toggle Switch

- Thermoplastic toggle and enclosure
- HIgh-impact resistant construction
- Side wire #12 and #14 AWG
- Push wire #14 AWG
- Tri-drive ground, terminal and mounting screws
- Easy-access green hex head ground screw
- Smooth, quiet toggle action
- Self-grounding models provide automatic ground clip
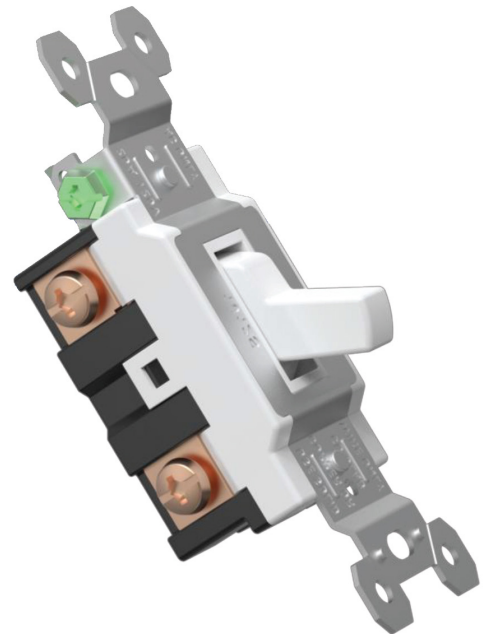
Types of Switches

Residential Grade

Photo	Model	Rating (A.V.)		Description	Spec.
	S1T15WH S1T15WHS S1T15WHL	15	120	Single pole toggle switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
	S3T15WH S3T15WHS S3T15WHL	15	120	3 way toggle switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
	S4T15WH S4T15WHS	15	120-277	4 way toggle switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding
	S1D15WH S1D15WHS S1D15WHL	15	120-277	Single Pole Decorative Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
	S3D15WH S3D15WHS S3D15WHL	15	120-277	3 Way Decorative Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding Lighted
	S4D15WH S4D15WHS	15	120-277	4 Way Decorative Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding

Types of Switches

Commercial Grade

Photo	Model	Rating (A.V.)	Description	Spec.
	S1T20WH S1T20WHS	20 120-277	Single Pole Toggle Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding
	S3T20WH S3T20WHS	20 120-277	3 Way Toggle Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding
	S1D15WH S1D15WHS	20 120-277	Single Pole Decorative Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding
	S3D20WH S3D20WHS	20 120-277	3 Way Decorative Switch UL approved for use with copper or copper-clad wire	Standard Self-Grounding

Commercial Grade

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ROCKER SWITCH
SLIDE DIMMER

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ROCKER SWITCH SLIDE DIMMER

Wi-Fi Connection
Support Wi-Fi connection

Mode Switch
Mode 1 - Adjust by 5%
Mode 2 - Adjust by 25%
Mode 3 - Adjust by initial brightness

Mechanical Backup Switch
Conform with UL standard

Incandescent Lamp
600W / 120V

CFL Lamp
300W / 120V

Dimmable LED Lamp
300W / 120V

Note: LED lamps are classified as dimmable and non-dimmable. Please make sure your LED lamp is dimmable.

Features and Benefits

- Adjustable initial brightness setting for different type of lights.
- Compatible with 99% of light bulbs on the market today.
- Tough thermoplastic housing shrugs off impacts and is scrath proof.
- Modern ergonomic element incroporates with compact design saving more room for junction box and match your deco style.
- Location indicator LED light, options on/off status for personalized demand.
- Energy saving & long operating life.

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Type of Dimmers

Traditional Dimmer Switch

Photo	P/N	Rating	Description	Load Capacity	Option
	D3DWH	120V, 60Hz	Traditional slide dimmer on/off switch	Incadescent 600W CFL 300W LED 300W	Single pole

Part Number Key

Traditional Dimmer Switch

Device	Number of Poles	Style	Pre-Set	Back Light
D = Dimmer Switch	3 = Three Way	T = Toggle R = Rotary D = Decorative	(Blank) = No Pre-Set S = Pre-Set	(Blank) = No Back Light L = Back Light

COMBINATION DEVICES

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Combination Devices

Photo	Model	Rating (A.V.)	Description	Wiring Style
	S2C13D	15 120	Single pole & 3-way switch UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C3D	15 120	Two (2) 3-way switch UL approved for use with copper or copper-clad wire	Side wire & back wire
	S3C1D	15 120	Three (3) switches single pole UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C1T	15 120	Two (2) single pole switch UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C13T	15 120	Single pole & 3-way switch UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C3T	15 120	Two (2) 3-way switch UL approved for use with copper or copper-clad wire	Side wire & back wire
	S2C1D	15 120	Two (2) single pole switch UL approved for use with copper or copper-clad wire	Side wire & back wire

Part Number Key

Combination Devices

Device	Number of Poles	Number of Switches	Type	Style
S = Switch	1 = 1 Pole	2 = 2 Switches	C = Combination	D = Decorative
	3 = Three Way	3 = 3 Switches		
	13 = Single pole, Three Way			

POWER OUTLETS

Easy-Care   Off   Cottons/Coloureds
Very Dry   Extra Dry
Cupboard Dry   Cupboard Dry Plus
Iron Dry   Cupboard Dry
Rapid   Iron Dry
Programme time   **Woollen Finish**
warm 20   warm 40

start

Features and Benefits

- Range and dryer devices offer heavy-duty connections in either surface mount or flush mount configurations.
- Heavy gauge galvanized steel mounting strap for corrosion resistance.
- Flush receptacles are completely ready-to-wire, shorten installation time significantly.
- Surface receptacles with adjustable cord clamp allow for wiring.
- Receptacles for use with copper or aluminum wire.
- Flush receptacles fit two-gang enclosure.

Specifications

- 3 and 4 wire configurations.
- Power outlets are 30A or 50A configurations.
- Operating temperature is from -40ºC to 60ºC.
- Terminal accepts #10, #8 to #4 AWG.
- Flammability rating is V-2 per UL94.
- Flush and surface receptacles accept both copper or aluminum wire.
- Nylon housing provides high impact resistance.

Types of Outlets

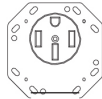### Flush Mount Power Outlet, 3-Pole, 4-Wire Grounding

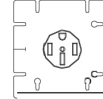| Photo	Model	Rating (A.V.)	Description	NEMA
	R1S30 R1M30 R1L30	30 125/250	Back wire, AL/CU	14-30R
	R1S50 R1M50 R1L50	50 125/250	Back wire, AL/CU	14-50R

Notes:

 US Standard **S**   Special Purpose **M**   Canada Standard **L**

Part Number Key

Flush Mount Power Outlet, 3-Pole, 4-Wire Grounding

Device	Number of Outlets	Style	Amp
R = Receptacle	1 = 1 Outlet	S = U.S. Standard	20 = 20 AMP
	2 = 2 Outlets	M = Special Purpose	30 = 30 AMP
		L = Canadian Standard	50 = 50 AMP

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USB CHARGER DEVICES

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HIGH–RATED USB RECEPTACLES

USB Receptacle with Type-A & Type-C ports and also with power of 25W, 27W and 30W

Features and Benefits

- High quality, high energy efficiency USB receptacles provide a smart choice in the fast charging solutions.
- USB receptacles with both Type A USB port for charging phones / tablets and Type C USB port for charging newer and future devices.
- Meanwhile, it charges faster with more watts and higher current.

CC / CV (Constant Current / Constant Voltage) Mode Control

As many different types of electronice devices need constant voltage or constant current to operate, USB ports support the way to change the mode of CC / CV in different situations to ensure the process of charging in the good way.

Backflow Protection

It provides the protection to prevent the electric current flow back from your devices to power supply.

Overheating Protection

USB Type A

Build in one heat-sensing component to shut down the charger when excessive heat is generated within the USB receptacle, halting the temperature climb before it damages the device.

Smart Chip and Faster Charging

USB receptacles feature a smart chip that recognizes and optimizes the charging power of your electronic devices for fast and efficient charging of tablets, phones, gaming devices, e-readers and a host of other electric devices.

**USB Type A/C
+
USB Type C
(The future of charging)**

**Overvoltage
Protection**

**Undervoltage
Protection**

**Overcurrent
Protection**

**Overload
Protection**

**Short Circuit
Protection**

High-rated USB Receptacles

Photo	Model	Description	USB	Charging
	AAAR2DT15	Triple USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung
	AAAR2DT20	Triple USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung
	AACR2DT15	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
	AACR2DT20	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
	CACR2DT15	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
	CACR2DT20	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
	CCR2DT15	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0
	CCR2DT20	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 6.0A 30W	DCP BC1.2 APPLE Samsung PD 3.0

Types of USBs

High-rated USB Receptacles

Photo	Model	Description	USB	Charging
	AAR2DT15	Dual USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung
	AAR2DT20	Dual USB Ports Duplex TR Receptacle UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung
	ACR2DT15	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung PD 3.0
	ACR2DT20	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only UL approved for use with copper or copper-clad wire	5V 5.4A 27W	DCP BC1.2 APPLE Samsung PD 3.0

Part Number Key

High-rated USB Receptacles

USB Combination	Device	Number of Outlets	Style	Type	Amp
AA = Two USB A's AAAA = Four USB A's CAC = Two USB C's, One USB A AAC = Two USB A's, One USB C AC = One USB A, One USB C	R = Receptacle (Blank) = No Receptacle	2 = 2 Outlets (Blank) = No Outlets, None	D = Decorative	T = Tamper Resistant (Blank) = Not Tamper Resistant	15 = 15 Amp 20 = 20 Amp

GFCI RECEPTACLE

with Self-Test Function

These GFCI protective devices meet and/or exceed UL 943 requirements for end of life and auto-monitor function. The GFCI conducts an automatic test to determine continued GFCI protection. In an event that the GFCI can no longer provide ground fault protection, the GFCI will automatically interrupt power and/or provide visual indication of impairment, requiring replacement of the protective device.

Applications

- **Residential** - kitchens, bathrooms, garages, basements, laundry rooms, wet sinks and other we locations around the house.
- **Educational Facilities** - classrooms, restrooms, laboratories, dormitories and kitchens
- **Airports** - public bathrooms, general-use and maintenance areas
- **Restaurants, Lodging and Retail Malls** - public bathrooms, genereal-use and maintenance areas
- **Commercial Offices** - bathrooms, basement areas, hallways and kitchen facilities
- **Public Areas** - wherever receptacles are located near wet or damp locations

Features and Benefits

- GFCI detects ground fault and trips to provide protection during its whole life period.
- The GFCI receptacles conduct an auto-monitor function self-test every five seconds exceeding UL 943 requirements for a frequency of 3 hours.
- Excellent electronic design to minimize any false energization.
- Miswire protection iterrupts power in an event that the GFCI receptacle is miswired by interposing line and load branch circuit supply wiring. The GFCI receptacle will deny power to receptacle face and downstream.
- Robust electronic design to minimize any false or unwanted nuisance tripping from high frequency noise to maintain continued in-service.
- Quality electronics provide the GFCI with a superior immunity to electrical surges and over-voltage events.
- Innovated reset disabled system motivated the GFCI cannot be reset once it reaches "end of life"
- Super tine LED indicator light has the one-way indication for GFCI properly working condition. "Glimpse" design to minimize unnecessary light during sleeping hours.
- Extra-large silver-alloy contractor with great alignment to ensure the GFCI have the superior resistance to dielectric, overload as well as the abnormal operations.
- Advanced "Build two-in-one of twin solenoid" and "Double SCR" design provides GFCI extended service life.

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Innovative Dual Protection Syste

Twin solenoid and double Silicon Controlled Rectifier (SCR) ensure an always–on GFCI protection to ground fault.

Green LED Indicator

Know the GFCI working status at a simple glimpse.

Ultra-Compact Design

Leave more room for wiring in an electric box.

Self-Test Function

Automatically conducts a self–test every 5 seconds, ensuring it is always ready to provide protection.

High Impact Resistant Material

Thermoplastic material and rational structure design ensure superior strength and durability.

Material Characteristics
• Environmental: Flammability UL–94 V2 Rating.
• Material: Face, Body, Polycarbonate.

Durable and Long Service Life

Withstands higher voltage surge than UL943 requirements.

Tamper-Resistant

Automatic shutter system prevents young children from inserting unwanted objects into the outlets.

Easy to Know it's End-of-life

– Repeatedly trips when RESET is attempted
– Does not permit power to the load with an audible "clicking" sound ; or
– Denial of power to the load (trip with the inability to RESET).

Features and Benefits

- UL and CUL listed.
- Operating Temperature: -31ºF (-35ºC) to 151ºF (66ºC).
- Mounting screws are captive, saving installation time.
- Color matching thermoplastic wall plat is provided as per customers option.
- Class A GFCI meets or exceeds the maximum allowable trip clearing times per UL 943.
- "Ultra-Compact Profile" ensures additional wiring space to wire products to provide excellent allignment and mounting ease of GFCI receptacles.

WR Weather-Resistant Receptacles

- Meets 2017 NEC Code Requirements.
- Listed to the weather-resistant supplement of UL498, meeting UL requirements including:
    - Ultraviolet light exposure test.
    - Cold impact test
    - Accelerated aging test
- Stringent material requirements for current-carrying parts, wire screws and mounting straps to ensure superior corrosion resistance.
- Receptacles still require a weatherproof cover in the wet or damp locations.
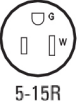- WR marking on the face as required by UL standard.
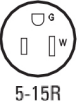
TR Tamper-Resistant Receptacles

- Protection is always there with tamper-resistant receptacles. It is reliable, automatic and permanent.
- Spring-loaded shutter mechanism restricts access to an object in any one side of the receptacle.
- Insertion of a two or three bladed plug will open the shutters, allowing electrical contacts.
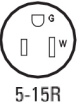
Types of GFCI Receptacles

Self-test GFCI Receptacle

Photo	P/N	Rating (A.V.)	Description	NEMA
	G15WH	15 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	 5-15R
	G20WH	20 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	 5-20R

Self-test GFCI Receptacle Tamper-Resistant

Photo	P/N	Rating (A.V.)	Description	NEMA
	GT15WH	15 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	 5-15R
	GT20WH	20 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	 5-20R

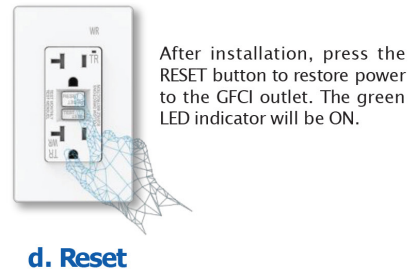## Self-test GFCI Receptacle Tamper-Resistant (Weather-Resistant)

Photo	P/N	Rating (A.V.)	Description	NEMA
	GTW15WH	15 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	 5-15R
	GTW20WH	20 125	Ultra-compact Profile back and side wire UL approved for use with copper or copper-clad wire	 5-20R

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Self-test Blank Face GFCI Receptacle (Weather-Resistant)

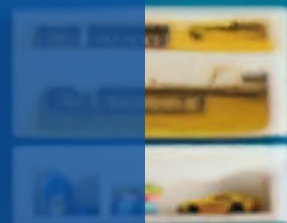| Photo	P/N	Rating (A.V.)	Description	NEMA
	GF15WH	15 125	Blank Face UL approved for use with copper or copper-clad wire	 5-15R
	GF20WH	20 125	Blank Face UL approved for use with copper or copper-clad wire	 5-20R

Installation

Brass Screw
Black / Hot Wire

Silver Screw
White / Neutral Wire

a. Line

Brass Screw
Black / Hot Wire

Silver Screw
White / Neutral Wire

b. Load

Green Screw
Copper / Ground Wire

c. Ground

After installation, press the RESET button to restore power to the GFCI outlet. The green LED indicator will be ON.

d. Reset
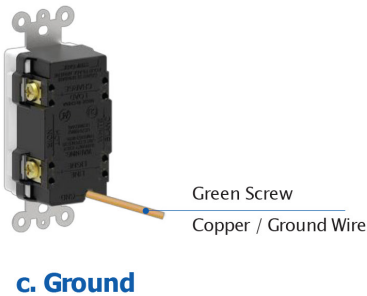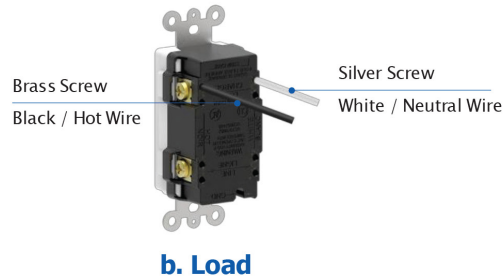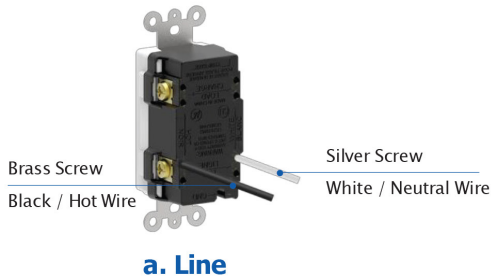
Part Number Key

GFCI Receptacles

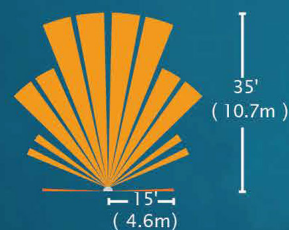| Device	Type	WR	Amp	Color
G = GFCI	T = Tamper Resistant F = Faceless	W = Weather Resist (Blank) = Not Weather Resistant	15 = 15 Amp 20 = 20 Amp	WH = White BK = Black BR = Brown LA = Light Almond IV = Ivory GY = Gray

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SENSOR
OCCUPANCY & VACANCY

Light up your home in a gentle night

Top View

35'
(10.7m)

15'
(4.6m)

Side View

4.0'
(1.2m)

Floor

35'
(10.7m)

Manual Light Switch
The whole cover could be used as a manual light switch and is removable to access setting controls

Adjustable Light Level

Detect ambient light to adjust lamp brightness

Adjustable Sensitivity
from 20% to 100%

PIR Motion Detector
Only detect human body movement, reduce false triggers from pets

Adjustable Delay Time
from 30 seconds to 30 minutes

Incandescent Lamp
600W, 120–277V

CFL Lamp
300W, 120–277V

Dimmable LED Lamp
300W, 120–277V

Features and Benefits

- Low noise and high sensitivity
- Automatic ON or manual ON is optional
- Automatic OFF
- 180° coverage of up to 900 sq. ft.
- Adjustable sensitivity from 20% to 100%
- Adjustable time delay from 15 seconds to 30 minutes
- Pet immunity (reduce false triggers)
- Detect ambient light to adjust light's brightness

Types of Sensors

PIR Wall Switch Occupancy Sensor

Photo	P/N	Rating	Description	Load Capacity	Option
	S3DOWH	120-277VAC 60Hz	Pyroelectric Infrared Sensor 1/2 HP	Incandescent 600W LED / CFL 300 W	Single Pole

PIR Wall Switch Vacancy Sensor

Photo	P/N	Rating	Description	Load Capacity	Option
	S3DVWH	120-277VAC 60Hz	Pyroelectric Infrared Sensor 1/2 HP	Incandescent 600W LED / CFL 300 W	Single Pole

Part Number Key

PIR Wall Switch Sensors

Device	Number of Poles	Style	Type	Color
S = Switch	1 = 1 Pole 3 = Three Way 13 = Single pole, Three Way	D = Decorative	O = Occupancy V = Vacancy	WH = White

ELECTRIC
F. E. I.

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📱 1-866-FEI-ELEC (334-3532)