







Harsh & Hazardous





PLUGS AND RECEPTACLES INDEX



UGP/UGR Series Plugs and Receptacles......2-5

HAZARDOUS LOCATIONS -

ACCEPTOR®

BLADE STYLE

SECTION PR



| UGRC Series | |
|-------------|--|
| Connector6 | |



| UGRP Series | |
|------------------------|---|
| Panel Mount Receptacle | 7 |



| UGRS Series |
|-------------------------|
| Panel Mount Receptacle8 |



UGRGF Series GFI Protector Receptacle8

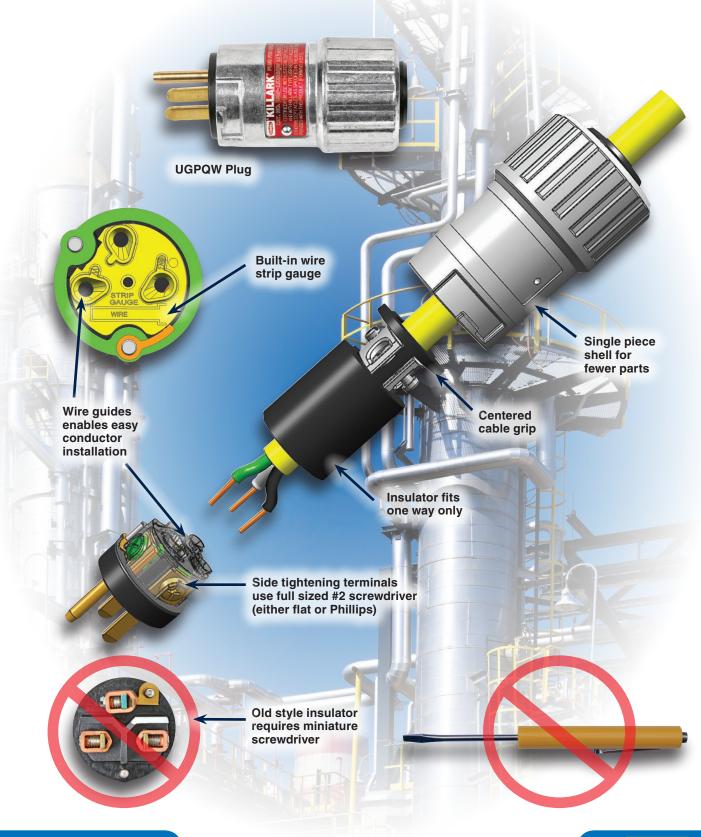


UGFI Series





EXCLUSIVE QUICK WIRING PLUG

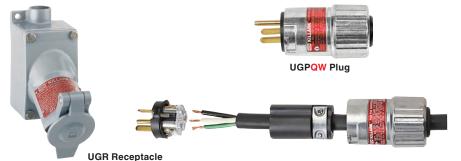


2 KILLARK[®]

HUBBELL Harsh & Hazardous



UGR / UGP BLADED RECEPTACLES



FEATURES-SPECIFICATIONS

ACCEPTOR

The ACCEPTOR[®] UGP/UGR Plug and Receptacle system, with its unique, patented design, is interchangeable^① with other NEMA bladed type explosion-proof and dust ignition proof devices. The series has been tested and classified for use with Crouse-Hinds[®] Ark-Gard[®]2 and Appleton[®] U-Line[®] plugs and receptacles in hazardous locations.^①

How The Acceptor System Works

ACCEPTOR receptacles contain an integral switch which must be closed to energize the circuit. The design permits only an approved plug to be energized. To actuate the switch, the plug must be inserted and rotated clockwise approximately 45°. The plug will lock into this position preventing accidental disengagement. To remove, simply push in then turn the plug counterclockwise and pull straight out.

Plugs and receptacles may be used where interchangeable bladed devices are needed in locations made hazardous by the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers and flyings.

Plug can serve to provide power for portable equipment used in both hazardous and non-hazardous areas.

Applications

- · Petroleum Refineries, Chemical Plants
- Wet/Damp/Corrosive Areas
- Grain Elevators/Feed Mills
- ① Exact models classified for interchangeability are listed in the information sheet provided with the products. Ark-Gard[®] is a registered trademark of Crouse-Hinds[®]. U-Line[®] is a registered trademark of Appleton Electric Company[®].
- ② Plugs Rated Group B when used with properly rated & installed receptacles. See next page.

KILLARK[®]

Features

- All external hardware is 316 stainless steel to provide low maintenance and long life
- Factory sealed chamber in UGR receptacle contains switch's arcing components
- No additional external seals are required, except in Group B applications

Quick Wiring Plug

- Single piece shell for fewer parts
- Transparent wiring entrance holes for easy conductor insertion
- Screws tighten from side with "full sized" screwdriver (slot/Phillips)
 - Insulator fits "one way"
- Centered cable grip

PLUG

ACCEPTOR[®] plugs conform to NEMA configurations and can be used with standard receptacles in non-hazardous areas to maximize equipment utilization. The system's "turn to engage" feature locks in Class I, Div. 1 & 2, Groups B[®], C, D Class I, Zones 1 & 2, Groups IIB+H2, IIA Class II, Div. 1 & 2, Groups F, G Class III NEMA 3, 7 (B, C, D), 9 (F, G)

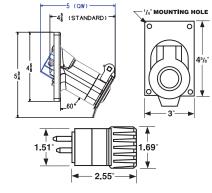
😃 usted 🛛 File No. E91049 and/or E53660

St. Certified File No. LR14667

Wire Size

Suitable for 14-10 guage SOOW or similar cable

- Receptacles are U.L. Listed as raintight. Proper sealing against moisture is assured
- Spring loaded receptacle cover closes when plug is removed to provide protection when not in use
- Copper-free aluminum (less than 4/10 of 1%) alloy resists corrosion
- Electrostatically applied and baked powder epoxy/polyester finish



plug and can be used to prevent accidental disengagement of critical equipment.

Plugs for use with type S, SO, ST or STO heavy duty cord.

| VOLTAGE | NEMA Configuration | CATALOG NUMBER 15 AMP PLUG W/QUICK Wiring | NEMA Configuration | CATALOG NUMBER 20 AMP PLUG W/QUICK Wiring |
|---------|--|---|-----------------------|---|
| 125VAC | ● ● ● ● ● ● ● ● ● ● | UGP-15231QW | 5-20P | UGP-20231QW |
| 250VAC | 6-15P | UGP-15232QW | 6-20P | UGP-20232QW |

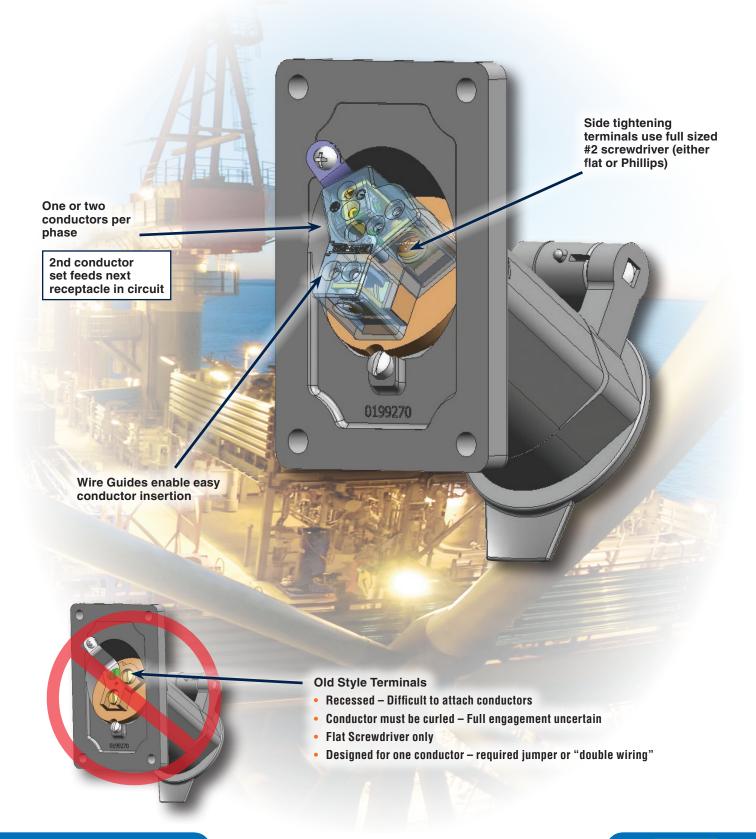


3



ACCEPTOR® SERIES

EXCLUSIVE QUICK WIRING RECEPTACLE



4 KILLARK[®]





UGRO QUICK WIRING SELECTION INFORMATION





SWB-1, 2, 3

SWB-4, 5, 6







Double Gang

FEATURES-SPECIFICATIONS

| RECEPTACLES AND ASSEMBLIES® | | | | | |
|--------------------------------|-----------------|----------|--|-------------------------------------|--|
| NEMA RATING & Configuration | ENCLOSURE STYLE | HUB SIZE | SINGLE GANG 3 (4) GROUPS C, D, F, & G | DOUBLE GANG③④ GROUPS C D, F, & G | SINGLE GANG①② GROUPS B, C, D, F & G |
| 20 Amp | RECEPTACLE ONLY | — | UGR0-20231QW | UGR0-20231QW | — |
| 125 Volt | | 1/2" | UGR1-20231QW | UGR7-20231QW | UGRB1-20231QW |
| | DEAD END | 3/4" | UGR2-20231QW | UGR8-20231QW | UGRB2-20231QW |
| | | 1" | UGR3-20231QW | UGR9-20231QW | UGRB3-20231QW |
| 3 WIRE ([] []-) | | 1/2" | UGR4-20231QW | UGR10-20231QW | UGRB4-20231QW |
| | FEED-THRU | 3/4" | UGR5-20231QW | UGR11-20231QW | UGRB5-20231QW |
| 5-20R | | 1" | UGR6-20231QW | UGR12-20231QW | UGRB6-20231QW |
| 15 Amp | RECEPTACLE ONLY | — | UGROC-15231QW | UGR0C-15231QW | — |
| 125 Volt | | 1/2" | UGR1C-15231QW | UGR7C-15231QW | UGRB1C-15231QW |
| | DEAD END | 3/4" | UGR2C-15231QW | UGR8C-15231QW | UGRB2C-15231QW |
| | | 1" | UGR3C-15231QW | UGR9C-15231QW | UGRB3C-15231QW |
| | FEED-THRU | 1/2" | UGR4C-15231QW | UGR10C-15231QW | UGRB4C-15231QW |
| | | 3/4" | UGR5C-15231QW | UGR11C-15231QW | UGRB5C-15231QW |
| 5-15R | | 1" | UGR6C-15231QW | UGR12C-15231QW | UGRB6C-15231QW |
| 20 Amp | RECEPTACLE ONLY | — | UGR0-20232QW | UGR0-20232QW | — |
| 250 Volt | | 1/2" | UGR1-20232QW | UGR7-20232QW | UGRB1-20232QW |
| | DEAD END | 3/4" | UGR2-20232QW | UGR8-20232QW | UGRB2-20232QW |
| | | 1" | UGR3-20232QW | UGR9-20232QW | UGRB3-20232QW |
| | | 1/2" | UGR4-20232QW | UGR10-20232QW | UGRB4-20232QW |
| | FEED-THRU | 3/4" | UGR5-20232QW | UGR11-20232QW | UGRB5-20232QW |
| 6-20R | | 1" | UGR6-20232QW | UGR12-20232QW | UGRB6-20232QW |
| 15 Amp | RECEPTACLE ONLY | — | UGROC-15232QW | UGROC-15232QW | - |
| 250 Volt | | 1/2" | UGR1C-15232QW | UGR7C-15232QW | UGRB1C-15232QW |
| | DEAD END | 3/4" | UGR2C-15232QW | UGR8C-15232QW | UGRB2C-15232QW |
| 2 POLE | | 1" | UGR3C-15232QW | UGR9C-15232QW | UGRB3C-15232QW |
| | | 1/2" | UGR4C-15232QW | UGR10C-15232QW | UGRB4C-15232QW |
| | FEED-THRU | 3/4" | UGR5C-15232QW | UGR11C-15232QW | UGRB5C-15232QW |
| 6-15R | | 1" | UGR6C-15232QW | UGR12C-15232QW | UGRB6C-15232QW |

D Items in this column are suitable for Class I, Group B in addition to Class I, Groups C, D. Also suitable for Class I, Zone 1, Groups IIB+H,, IIA.

[©] Seals must be installed within 6 inches of conduit opening.

③ Items in this column may also be used in Class I, Zone 1, Groups IIB, IIA. Assembly numbers not rated for Group B are shipped as receptacle & back box components.

Refer to Killark full-line catalog Section C for additional SWB Series Back Box configurations.

© U.S. and Canadian Codes allow "T" combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.







ACCEPTOR® SERIES



Connector with Breech-Lock Cap

FEATURES-SPECIFICATIONS

CONNECTORS

The ACCEPTOR® UGRC Connector complements UGP/UGR Plugs and Receptacles, as well as Ground Fault Protected UGFI and UGRGF Models. Used with Acceptor plugs, connectors can extend the reach for hazardous location rated portable equipment such as hand lamps. Connectors eliminate the need for user-created corded box mounted receptacles. UGRC Connectors are interchangeable and classified for use with other NEMA bladed type explosion-proof and dust ignition proof plugs, including Crouse-Hinds[®] Ark-Gard[®]2 and Appleton[®] ULine[®].

Features

- Available with the exclusive Breech-Lock Cap (see PR5 for more info) – patented notch provides "3rd hand" plug operation (holds lid open while one hand operates plug, and other holds connector).
- Factory Sealed Construction
- Copper-free aluminum (less than 4/10 of 1%) alloy resists corrosion
- Electrostatically applied and baked • powder epoxy/polyester finish
- Dead Front Construction with integral • switch - requires Hazardous Rated NEMA Bladed plug for operation

Ark-Gard[®] is a registered trademark of Crouse-Hinds[®] U-Line® is a registered trademark of Appleton Electric Company[®]



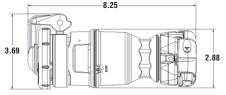


"3rd Hand" Plug Operation

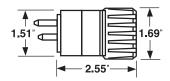
Industrial Applications

- Petroleum Refineries
- Chemical/Petrochemical Plants
- **Oil Rigs & Platforms** •
- Wet/Corrosive Environments
- Grain Elevators

Dimensions



UGRC Connector Breech cap model shown, Flip cap model dimensions are similar



UGP Plug

Class I, Div. 1 & 2, Groups B, C, D¹ Class I, Zones 1 & 2, Groups IIB+H2, IIA^① Class II, Div. 1 & 2, Groups F, G2 Class III **NEMA 3. 4X***



Wire Size

Suitable for 14-10 guage SOOW or similar cable



Connector shown with Acceptor UGRP receptacle mounted in explosion proof Quantum® enclosure



| NEMA CONFIGURATION | 125V CONNECTOR CAP STYLE | CATALOG NUMBER | WEATHER RATING |
|--|---|--------------------------------|----------------|
| 20 AMP 125 VOLT | Breech-Lock with Notch Flip Type | UGRC-20231BQW UGRC-20231FQW | N4X* N3** |
| 2 POLE 3 WIRE 5-20R with T-slots | Killark 125V Plugs 20 Amp 15 Amp | UGP-20231QW UGP-15231QW | |
| | 250V CONNECTOR CAP STYLE | | |
| 20 AMP 250 VOLT | Breech-Lock with Notch Flip Type | UGRC-20232BQW UGRC-20232FQW | N4X* N3** |
| 2 POLE 3 WIRE 6-20R with T-slots | Killark 250V Plugs 20 Amp 15 Amp | UGP-20232QW UGP-15232QW | |

Breech cap models N4X with lid closed and turned, N3 When Plug inserted Hinge Up

** Flip Lid models N3 with hinge in UP position with or without plug

Replacement Cap and Hinge Kits: Breech KIT-173B, Flip KIT-173

① CSA certified Class I Div.I for Canada and/or other jurisdictions accepting CSA.

© _cCSA_{us} Class II, Groups F & G for US and Canada.

³ U.S. and Canadian Codes allow "T" combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.

6 KILLARK[®]







Breech Cap Model

FEATURES-SPECIFICATIONS

PANEL RECEPTACLES

The ACCEPTOR® UGRP Panel Receptacle complements UGP/UGR Plugs and Receptacles, as well as Ground Fault Protected UGFI and UGRGF Models.

Used with Acceptor plugs, panel receptacles provide local power for hazardous location rated portable equipment such as hand lamps. Units are suitable for Class I Div. 1 or Class I Div.2 depending on the enclosure type used ①.

UGRP Panel Receptacles are interchangeable and classified for use with other NEMA bladed type explosion-proof and dust ignition proof plugs, including Crouse-Hinds® Ark-Gard®2 and Appleton® ULine®.

Features

- Available with the exclusive Breech-Lock Cap - patented notch provides "3rd hand" plug operation (holds lid open while one hand operates plug, and other holds connector).
- Factory Sealed Construction
- Copper-free aluminum (less than 4/10 of 1%) alloy resists corrosion
- Electrostatically applied and baked powder epoxy/polyester finish
- Dead Front Construction with integral • switch - requires Hazardous Rated NEMA Bladed plug for operation

Ark-Gard® is a registered trademark of Crouse-Hinds® U-Line[®] is a registered trademark of Appleton Electric Company®

Industrial Applications

- Petroleum Refineries
- Chemical/Petrochemical Plants
- **Oil Rigs & Platforms** •
- Wet/Corrosive Environments

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Grain Elevators



- UGRP Receptacles are available
- "Factory Installed" in the following series:

Enclosures

» Series EXB, B7E

Distribution Equipment

- » Series D2L, B7L Lighting Panelboards
- Contact factory for ordering information



Breech Lid



Flip Cap





Typical CLI Div. 2

application

2-3/8" K.O.

Typical CLI Div. I application

Class I, Div. 1 & 2, Groups B, C, D¹ Class I, Zones 1 & 2, Groups IIB+H2, IIA Class II, Div. 1 & 2, Groups F, G

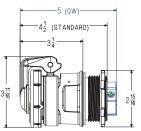
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Suitable for 14-10 guage SOOW or similar cable

Dimensions

Class III **NEMA 3, 4X***

Wire Size



Breech Cap model shown. Flip Cap model dimensions are similar

| NEMA CONFIGURATION | 125V PANEL RECEPTACLE CAP STYLE | CATALOG NUMBER | WEATHER RATING |
|--|--|--------------------------------|----------------|
| 20 AMP 125 VOLT | Breech-Lock with Notch Flip Type | UGRP-20231BQW UGRP-20231FQW | N4X* N3** |
| 2 POLE 3 WIRE 5-20R with T-slots | Killark 125V Plugs 20 Amp 15 Amp | UGP-20231QW UGP-15231QW | |
| | 250V PANEL RECEPTACLE CAP STYLE | | |
| 20 AMP 250 VOLT | Breech-Lock with Notch Flip Type | UGRP-20232BQW UGRP-20232FQW | N4X* N3** |
| 2 POLE 3 WIRE 6-20R with T-slots | Killark 250V Plugs 20 Amp 15 Amp | UGP-20232QW UGP-15232QW | |

* Breech cap models N4X with lid closed and turned, N3 When Plug inserted Hinge Up

** Flip Lid models N3 with hinge in UP position with or without plug

Replacement Cap and Hinge Kits: Breech KIT-173B, Flip KIT-173

- D Class I Div.1 B,C,D in enclosures certified to 325 explosive PSI (2"-11½ NPSM threads). Class I Div. 2 in standard location enclosures using only non-arcing components.
- © CSA_{US} Certified for United States, Canada, and other jurisdictions accepting the mark.
- ③ U.S. and Canadian Codes allow "T" combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.



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UGRS / UGRGF RECEPTACLES

Class I, Div. 2, Groups B, C, D Class I, Zone 2, Groups IIB+H2, IIA Class II, Div. 1 & 2, Groups F, G Class III **NEMA 3.4X**

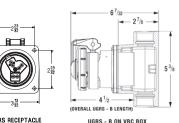
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Breech Cap Model

FEATURES-SPECIFICATIONS

SQUARE RECEPTACLE

UGRS Receptacles utilize VERSAMATE® 30A mounting boxes and are designed to provide "ROTATABLE" design enables cover hinge location to be in most convenient position for application. May also be utilized with sheet metal enclosures which contain no arcing devices.



UGRS RECEPTACLE MTG DIMENSIONS

Dimensions

Breech Cap model shown. Flip Cap model dimensions are similar

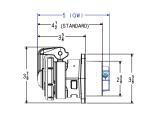
| NEMA CONFIGURATION | 125V SQUARE RECEPTACLE CAP STYLE | CATALOG NUMBER |
|--|--|--------------------------------|
| 20 AMP 125 VOLT | Breech-Lock with Notch* Flip Lid Type** | UGRS-20231BQW UGRS-20231FQW |
| 2 POLE 3 WIRE 5-20R with T-slots | Killark 125V Plugs 20 Amp 15 Amp | UGP-20231QW UGP-15231QW |
| | 250V SQUARE RECEPTACLE CAP STYLE | |
| | 1 | |
| 20 AMP 250 VOLT | Breech-Lock with Notch* Flip Lid Type** | UGRS-20232BQW UGRS-20232FQW |

* Breech cap models N4X with lid closed and turned, N3 When Plug inserted Hinge Up

** Flip Lid models N3 with hinge in UP position with or without plug







| UGRS RECEPTACLE & BACKBOXES [®] | | | | | | |
|--|--|-----------------|-----------------|---------------|--|--|
| | E TYPE DEAD END ② C TYPE FEED THRU ② D TYPE ANGLED FEED THRU ② RECEPTACLE ONLY | | | | | |
| 20A 125V | UGRS-20231BE2QW | UGRS-20231BC2QW | UGRS-20231BD2QW | UGRS-20231BQW | | |
| 20A 250V | UGRS-20232BE3QW | UGRS-20232BC3QW | UGRS-20232BD3QW | UGRS-20232BQW | | |

Receptacle

1 Receptacles listed are with Breech cap; for Flip Cover change B to F.

② Boxes listed are for 3/4"; for 1/2" change last digit to 1, for 1" change last digit to 3.

3 CSAus Certified for United States, Canada, and other jurisdictions accepting the mark.

(U.S. and Canadian Codes allow "T" combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.



UGRGF

Class I, Div. 1 & 2, Groups C, D Class I, Zones 1 & 2, Groups IIB, IIA Class II, Div. 1 & 2, Groups F, G **Class III** NEMA 3, 7 (C, D) 9 (F, G)

certified LR11714 See files for details or call Killark.

GFI PROTECTED RECEPTACLE

Utilizes FXS GFI and ACCEPTOR® receptacle to interrupt a circuit, when a ground fault is detected on equipment which may be handled by personnel in hazardous locations.

Features

- Factory Sealed
- Test and Reset push buttons are provided on cover assembly, with optional pilot light available Unit should be tested monthly
- Includes new GFCI to meet latest UL943 GFCI standards revisions
- Exterior gasket provides NEMA 3 weatherproof protection
- Ground boss for arounding in the splice box
- Color coded wiring and stainless steel cover bolts
- Receptacle used is UGR0-20231QW. See page 5

| NEMA RATING & CONFIGURATION | ENCLOSURE Style | HUB Size | CATALOG NUMBER |
|-----------------------------|--------------------|-------------|-------------------|
| 20A, 125V, 2P, 3W | Dead End | 1/2" | UGRGF107 |
| | Dead End | 3/4" | UGRGF108 |
| | Dead End | 1" | UGRGF109 |
| | Feed Thru | 1/2" | UGRGF110 |
| | Feed Thru | 3/4" | UGRGF111 |
| | Feed Thru | 1" | UGRGF112 |

Electrical Rating

GFI units are rated at 20A, 120 VAC, 60Hz. Class A.

4-6 miliamp trip setting

- Trip Time-UL Curve
- ④ For Red LED pilot light indicator of live circuit, add "-PL" to catalog number. Example – UGRGF107-PL.



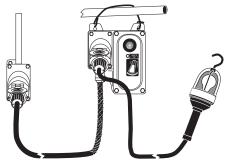
UGFI GROUND FAULT PROTECTOR

ACCEPTOR®



The GFCI protected ACCEPTOR® is the solution to OSHA's requirements for GFCI protection when using portable equipment in hazardous and wet locations. For use with 125V, or 125/250V③ 15 or 20 amp receptacles without GFCI protection, the **Adapter Unit** provides GFCI and circuit protection to connected apparatus by simply being plugged into an <u>existing</u> receptacle.

The **Hard-Wired Unit** provides the same protection and is used directly as a GFCI protected device. Units are feed-through with one close-up plug.



Typical Application with XHL Series Hand Lamp

KILLARK[®]



FEATURES-SPECIFICATIONS Adapter Unit

- No need to permanently alter existing installations; **Portable Unit** can be temporarily hung using included strap near an existing receptacle wherever protection is required
- Factory Sealed Unit
- Acceptor[®] plug and cord set included with Adapter Unit. Cord is 36"

Hard-Wired Unit

- provides GFCI and circuit protection in new installations, or as an upgrade or replacement for non-GFCI receptacles
- Factory Sealed, except Group B

Adapter and Hard-Wired Unit

- GFCI device also provides circuit protection, for connected apparatus, against current overload and short circuits
- Acceptor[®] receptacles and plugs are intermateable with both Crouse-Hinds[®] Ark-Gard[®]2 and Appleton[®] U-Line[®] products
- Amber pilot light provides indication that the receptacle is energized.
- Units can be <u>Padlocked</u> **OFF** for maintained safety
- Fully gasketed GFCI compartment prevents moisture from damaging electronic components
- Same high quality materials as the standard ACCEPTOR[®]
- I Hard-Wired assemblies in Group B areas require sealing within 6" of enclosure.
- ② 125VAC & 250 VAC devices are CCSAUS certified; 125VAC devices are also UL Listed.
- ③ 2P 250V units are for 2 "hot line" applications and include 2P 5mA GFI breakers. 2P Units are for 120/240V or 120/208Y Grounded Power Supply Systems ONLY. Do NOT use with Delta supply systems.

Ark-Gard[®] is a registered trademark of Crouse-Hinds[®] U-Line[®] is a registered trademark of Appleton Electric Company[®].

Adapter Unit

Class I, Div. 2, Groups B, C, D Class I, Zone 2, Groups IIB+H2, IIA Class II, Div. 1 & 2, Groups F, G Class III, Div. 1 & 2

ACCEPTOR® SERIES

• Hard-Wired Unit Class I, Div. 1 & 2, Groups B, C, D Class I, Zones 1 & 2, Groups IIB+ H2, IIA Class II, Div. 1 & 2, Groups F, G Class III, Div. 1 & 2

NEMA 3 ENCLOSURE TYPE (Adapter or Hard-Wired units)

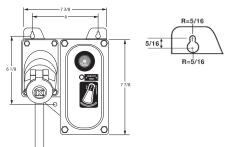
GFCI RECEPTACLE ADAPTER (W/CORD SET)

| | | , |
|--------------------|-----------|-----------------|
| 20A 125V ② | UGF120AD | D D 5-20R |
| 15A 125V ② | UGFI15AD | 0 0 5-15R |
| 20A 250V ② ③ | UGFI202AD | 0 0 6-20R |
| 15A 250V ② ③ | UGFI152AD | 0-15R |

HARD WIRED (PERMANENTLY MOUNTED) GFCI RECEPTACLE

| 20A | 5-20R | 1/2" HUB | UGFI20C1 | |
|------|--------------|----------|-----------|--|
| 125V | | 3/4" HUB | UGFI20C2 | |
| ② | | 1" HUB | UGFI20C3 | |
| 15A | 5-15R | 1/2" HUB | UGFI15C1 | |
| 125V | | 3/4" HUB | UGFI15C2 | |
| ② | | 1" HUB | UGFI15C3 | |
| 20A | 0 | 1/2" HUB | UGFI202C1 | |
| 250V | 0 | 3/4" HUB | UGFI202C2 | |
| ② ③ | 6-20R | 1" HUB | UGFI202C3 | |
| 15A | 6-158 | 1/2" HUB | UGFI152C1 | |
| 250V | | 3/4" HUB | UGFI152C2 | |
| ② ③ | | 1" HUB | UGFI152C3 | |

Hard-Wired Unit









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