

INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

THE ACCEPTOR SERIES "UGP" & "UGP(QW)" PLUGS

IMPORTANT: These plugs must be installed by trained, qualified and competent personnel.
NOTE: All installations must comply with applicable local and/or national electrical codes, as well as safety practices for this type of equipment.

WARNING: Electrical power must be OFF during installation. Disconnect supply circuit and Lock Out.

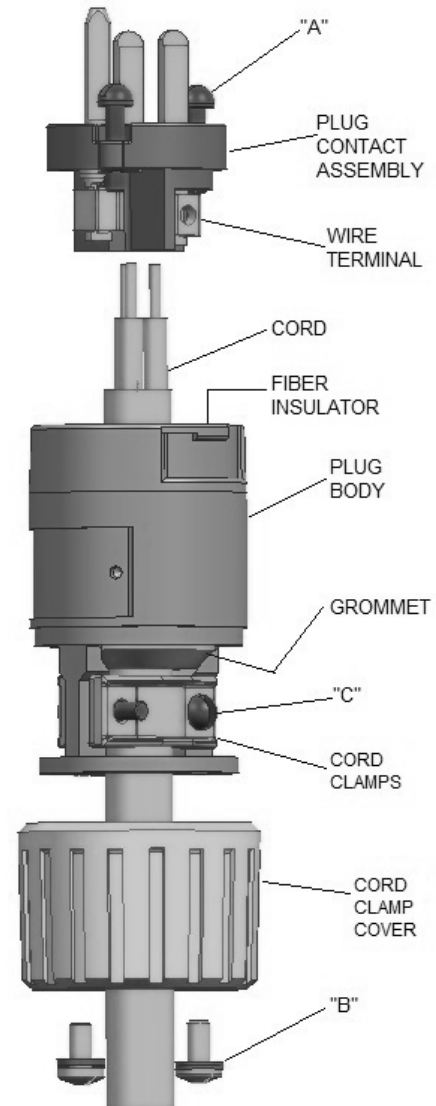
CAUTION: To reduce the risk of ignition of hazardous atmospheres, do not use in Class II, Group F locations that contain electrically conductive dusts.

Before install, check the carton label and product nameplate to be sure you have the correct type.

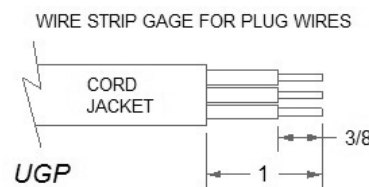
DIRECTIONS FOR INSTALLATION

UGP : For use with Killark Type "UGR" receptacles and other receptacles specified on Form No. K1092, also provided with this product.

- 1.) Loosen (2) screws (with lockwashers) "A" in plug face and pull Plug Contact Assembly (with gasket) from Plug Body. NOTE: Fiber insulator should remain in Plug Body. Loosen (2) screws "B" at back of plug to remove Cord Clamp Cover.
- 2.) Strip cord jacket and wire insulation from #12 or #14 (as required) AWG type S, SO, ST or STO cord, per strip gage shown below. Cord diameter must be .540 to .635 inches. Do not use cord of smaller diameter.
- 3.) Loosen (2) Cord Clamp screws "C" and feed cord, prepared end first, through Cord Clamp Cover and Cord Clamps. Lubricate approximately 1-1/2" of prepared end of cord jacket with a suitable lubricant and insert cord through sealing Grommet into Plug Body.
- 4.) Loosen all (3) Wire Terminal screws and insert wire into proper terminals: Green lead (Ground) to terminal by Green mark; White (Neutral) lead to terminal by White mark (125V only); Black and/or Red [Line lead(s)] to unmarked terminal(s). Hand tighten terminal screws to 8 in.lbs. torque.
- 5.) Check to make sure fiber insulator is installed in Plug Body. Properly align the Plug Contact Assembly (with gasket) and slide Plug Body down over contact assembly until seated. Insert (2) screws and lockwashers "A" and tighten to 8 in.lbs. torque.
- 6.) Tighten Cord Clamp screws "C", alternating between them to equalize torque. Tighten until clamps firmly grip cord to prevent movement.
- 7.) Position Cord Clamp Cover; insert and tighten (2) screws "B". Check for ground continuity between ground post and plug body. Check for discontinuity between live spade contacts and/or plug body.



UGP [QW model, side 2]



DIRECTIONS FOR INSTALLATION

UGP(QW) : For use with Killark Type "UGR"
receptacles and other receptacles specified on Form No.
K1092, also provided with this product.

- 1.) Loosen (2) screws "A" in plug face and pull Plug Contact Assembly (with gasket) from the Plug Body. Remove Insulator Assembly from Plug Body.
- 2.) Strip cord jacket and wire insulation from #10, #12 or #14 (as required) AWG type S, ST, STO, SO, SOO, SOW or SOOW cord per strip gage on back of Plug Contact Assembly or this sheet. Do not use cord smaller than #14 AWG. **NOTE:** UGP-QW devices are rated for 20 amps; #10 wire is appropriate only for voltage drop applications.
- 3.) Lubricate approximately 1-1/2" of prepared end of cord jacket with a suitable lubricant and insert cord through Grommet; into Plug Body. Loosen (2) Cord Clamp screws "B" on the Insulator Assembly and feed cord, prepared end first, through the Cord Clamps and the Insulator Assembly.
- 4.) Loosen all (3) Terminal Contact Screws and insert wire through the Wiring Entrance holes, into proper terminals: Green lead (Ground) to terminal with ground mark & Green screw head; White (Neutral) lead to terminal with Silver screw head (125V only); Black and/or Red [Line lead(s)] to terminal(s) with Brass screw head. Hand tighten terminal screws to 8 in.lbs. torque.
- 5.) Properly align the Plug Contact Assembly (with gasket) and slide the Insulator Assembly down over Contact Assembly until seated. Tighten Cord Clamp screws "B", alternating between them to equalize torque. Tighten until clamps firmly grip cord to prevent movement. (16 in.lbs. torque recommended)
- 6.) Properly align Insulator assembly with Plug Body and slide Plug Body down over Insulator assembly until seated. Tighten (2) screws in plug face to 8 in.lbs. torque.
- 7.) Check for ground continuity between ground post and plug body. Check for discontinuity between live spade contacts and/or plug body.

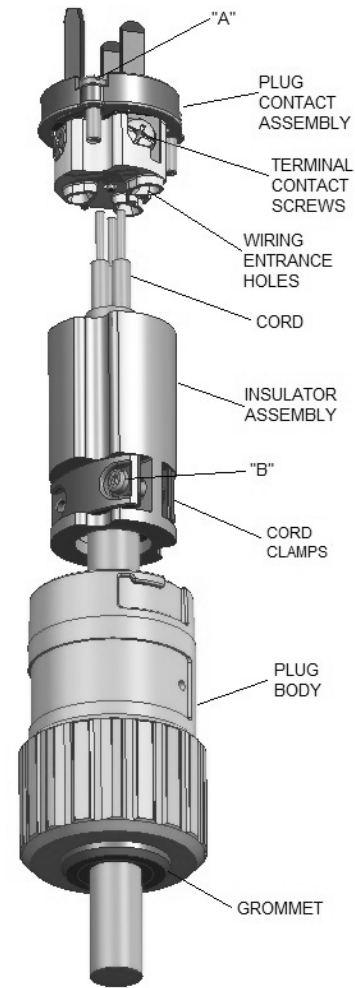
OPERATIONAL DATA (with Killark type "UGR" receptacle)

- 1) Lift receptacle door and insert plug all the way into the receptacle.
- 2) Turn plug to clockwise limit (45°). This closes internal contacts and completes circuit.
- 3) Release plug. Plug will move outward to "LOCK" position. Check by trying to turn plug without pushing inward; plug should not turn.
- 4) To remove plug, push plug inward and turn to counter-clockwise limit (45°). Pull plug straight out.

MAINTENANCE DATA: These plugs require no maintenance other than a periodic cleaning and a check for damage and/or loose fasteners. Also, check cord for damage and/or wear. This should be performed on a regular basis, determined by the environment and usage.

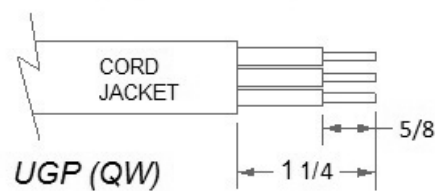
WARNING: Disconnect and Lock Out supply circuit before starting maintenance work.

- 1) To clean plug it is recommended that a soft, non-metallic bristle brush be used.
- 2) Check tightness of all accessible screws.
- 3) Inspect the entire assembly (including cord) for damage and/or wear. Consult Killark factory for availability of replacement parts and discontinue use of the equipment until repairs are made.



UGP(QW)

WIRE STRIP GAGE FOR PLUG WIRES



Technical information, advice and recommendations contained in these documents is based on information that Killark believes to be reliable. All the information and advice contained in these documents is intended for use by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used, its storage, delivery, installation, check out, safe operation and maintenance. There are no warranties, expressed or implied, except that all goods shall conform to their description, subject however to commercial tolerances and variations.

All sales are made on the express understanding that there are no express warranties other than those contained in a specific agreement between Seller and Buyer and that there are no implied warranties that the goods shall be merchantable, nor are there any warranties which extend beyond the description on the face hereof. In the event of the breach of any warranty or alleged breach of any warranty by Killark, the Buyer shall not be entitled to consequential or incidental damages. The obligation of Killark under its warranty shall be limited to repairing or replacing FOB Killark's plant or allowing credit at Killark's option, any part or parts which may prove to be thus defective, provided the Buyer(s) gives Killark prompt notice of the defect or defects. It is expressly agreed and understood that this remedy of repair or replacement or credit at Killark's option is the exclusive remedy of the Buyer of this product. Since conditions of use of the product are outside of the care, custody and control of Killark, the purchaser should determine the suitability of the product for his intended

use, and assumes all risk and liability whatsoever in connection therewith.