

## 100' General Area Cord Reel w/ 20A EXP Outlet GFCI - 12/3 SOOW Cord Instruction Manual

Thank you for your purchase of the Larson Electronics EPEXC-GFI-200-GR-12.3-100.

### **WARNING:**

**READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. CRITICAL SAFETY INSTRUCTIONS:**

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

### **IMPORTANT**

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE EPEXC-GFI-200-GR-12.3-100 MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

**WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.**



**WARNING: MAKE SURE POWER IS TURNED OFF BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.**

**RISK OF FIRE/ELECTRIC SHOCK** – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.

**RISK OF PERSONAL INJURY** – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.

**RISK OF BURN** – ALLOW FIXTURE TO COOL BEFORE SERVICING.

### **WARNING:**

**USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE.** THIS LINE CORD IS INTENDED TO ALLOW OPERATORS TO EXTEND POWER TO EQUIPMENT WHEN STATIONARY OUTLETS ARE NOT READILY AVAILABLE.

***IMPROPER USE OF THIS CORD, PLUG, AND RECEPTACLE CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.***

### **PERIODIC INSPECTION OF THE CORD IS NECESSARY.**

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE.

## WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

### TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

### TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

## WARNING:

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. WHEN EXTENSION CORD IS CONNECTED TO A POWER SOURCE IN HAZARDOUS AREA, PLUG AND MATCHING RECEPTACLE MUST BE SUITABLE FOR HAZARDOUS LOCATION INVOLVED. IMPROPER USE OF THIS DEVICE, ASSOCIATED PLUG, RECEPTACLE, AND CORD CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.

## PERIODIC INSPECTION OF THE RECEPTACLE AND CORD IS NECESSARY.

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE OF THE UNIT.

ELECTRICAL POWER SUPPLY MUST BE "OFF" BEFORE AND DURING INSTALLATION AND MAINTENANCE. INSTALLATION AND MAINTENANCE PROCEDURE MUST BE PERFORMED BY A TRAINED AND COMPETENT ELECTRICIAN.

IF ANY PARTS OF THE RECEPTACLE OR PLUG APPEAR TO BE MISSING, BROKEN, OR SHOW SIGNS OR DAMAGE, DISCONTINUE USE IMMEDIATELY. REPLACE WITH THE PROPER REPLACEMENT PART(S) BEFORE CONTINUING SERVICE.

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The Larson Electronics EPEXC-GFI-200-GR-12.3-100 Industrial Cord Reel with Explosion Proof Outlet gives operators the ability to easily extend the working reach of their tools and lighting equipment. This blue reel is equipped with 100' of 12/3 SOOW cord and one explosion proof outlet secured on a back plate. The Class I, Division 1 and Class II, Division 1 rated receptacle on the unit has ground fault protection for safety during operation.

## WIRING

***We strongly encourage a licensed electrician install this product,*** in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 125V or 250V.

## CORD REEL

The cord reel is designed for a lift/drag of up to 100 feet of 12/3 SOOW cord. This industrial reel comes with 100 feet of active travel plus an additional 2 feet for safety wrap and hook up. This reel is constructed of durable steel, has a glossy blue powder coat finish and includes a ball stop and a ratchet with a lockout feature.

## INTER-COMPATIBILITY

These units use T style plugs and will work with non-explosion proof standard receptacles and plugs (NEMA 5-15R, 5-20R, or 6-20R) but will not work with standard 120V wall outlets. The included plugs and receptacles are cross-interchangeable with Crouse Hind™ part# ENP5201 plugs and receptacles and Hubble-Killiark part# UGP-20231 ACCEPTOR® plugs and receptacles. Any equipment requiring these C-H or H-B plugs should work with these cords. Due to possible manufacturer changes we cannot guarantee interchangeability although we have made every effort to ensure cross compatibility correctness.

## GROUND-FAULT CIRCUIT INTERRUPTER (GFCI)

In the event of a ground fault, a GFCI will trip and quickly stop the flow of electricity to prevent serious injury.

### Definition of a ground fault:

Instead of following its normal safe path, electricity passes through a person's body to reach the ground. For example, a defective appliance can cause a ground fault.

A GFCI receptacle does **NOT** protect against circuit overloads, short circuits, or shocks. For example, you can still be shocked if you touch bare wires while standing on a non-conducting surface, such as a wood floor.

### NOTE:

GFCI's contain a lockout feature that will prevent RESET if:

- There is no power being supplied to the GFCI.
- The GFCI is miswired due to reversal of the LINE and LOAD leads.
- The GFCI cannot pass its internal test, indicating that it may not be able to provide protection in the event of a ground fault.

## GFCI TEST

Use an approved GFCI tester or plug an electrical device, such as a lamp into the receptacle on which you are working. Turn the lamp or device ON. Then, press the TEST button on the GFCI box and power should immediately be switched off. If not, contact an electrician. Press the RESET button to restore power.

## CORD AND PLUG

### OPERATION

1. Position Explosion Proof Extension cord near equipment to be powered.
2. Run cable to compatible receptacle.
3. Attach power (see label on unit for voltage).
4. Plug equipment to receptacle on other end.

**WARNING:** *This unit comes preconfigure to work with voltage specified upon purchase. Double check product label for correct voltage before operating!*

### RECEPTACLE OPERATION

Electrical connection between receptacle and plug is accomplished after plug fully inserts into receptacle and rotated clockwise.

1. Lift receptacle door and locate polarization on mating plug pin and receptacle face. Insert plug straight all the way into receptacle until it cannot go further.
2. Rotate plug clockwise limit (37°), this closes internal contacts and completes circuit. This also mechanically locks plug into receptacle so it cannot be pulled out.
3. To remove plug, push plug inward and turn to counterclockwise, pull plug straight out.

**MAINTENANCE:**

Electrical and mechanical inspection of all components must be performed on a regularly scheduled basis, determined by the environment and frequency of use. It is recommended that inspection be performed a minimum of once a year.

**WARNING: ELECTRICAL POWER SUPPLY MUST BE "OFF" AND REMOVED FROM HAZARDOUS LOCATION BEFORE AND DURING INSTALLATION AND MAINTENANCE. INSTALLATION AND MAINTENANCE PROCEDURE MUST BE PERFORMED BY A TRAINED AND COMPETENT ELECTRICIAN.**

**WARNING: IF ANY PARTS OF THE RECEPTACLE OR PLUG APPEAR TO BE MISSING, BROKEN, OR SHOW SIGNS OR DAMAGE, DISCONTINUE USE IMMEDIATELY. REPLACE WITH THE PROPER REPLACEMENT PART(S) BEFORE CONTINUING SERVICE.**

**During the inspections, perform the following steps:**

1. Inspect all contact wire terminals for tightness and re-torque if necessary. NOTE: Discoloration due to excessive heat is an indicator of potential issues and should be thoroughly investigated and repaired as necessary.
2. Explosion Proof Plugs: Check grounding and bonding for correct installation. Secure connections and retorquer if necessary.
3. Check gaskets for deterioration and replace if necessary.
4. Clean exterior surfaces to ensure the nameplates remain legible.
5. Inspect cable grip tightness to ensure proper cord/cable gripping.
6. Torque all screws as described in the "Installation" section before reusing the device.
7. Inspect all parts and replace those which are broken or excessively worn.
8. Check the contacts for signs of excessive arcing or burning and replace if necessary.

**GFCI BOX****DIRECTIONS FOR INSTALLATION GFCI Box**

- 1.) Wire the system referring to the appropriate wiring diagram inside box. Special care should be taken to distinguish between the line and load side connections.
- 2.) Replace the cover and tighten screws to 5 ft-lbs.
- 3.) Enclosure must be vertical before plugging into existing power source. Hook around conduit or scaffolding; or similar.
- 4.) Make sure that the circuit breaker indicates "OFF" before inserting plug into power source. Follow manufacturers operation instructions to engage plug into the power receptacle.
- 5.) With circuit breaker "OFF", plug the device (requiring ground fault protection) into the receptacle.
- 6.) After both the supply circuit and the load circuit have been connected, the circuit breaker can be turned to the "ON" position. The pilot light will light indicating power to the receptacle.

**OPERATIONAL DATA**

The devices used in this enclosure are

## OPERATION

The devices used in this enclosure are electrical arcing devices. The enclosure in which they are installed includes internal seals which isolate these devices from the supply circuit. Depending on your application, additional external seals may be required by NEC articles, 501-5 & 502-5. In addition, the enclosure must be marked with a cautionary statement such as:

## CAUTION

Disconnect this device from the supplying circuit before entering. Keep assembly tight while circuits are alive."

This statement must be permanently visible after the enclosure has been installed.

## NOTE

Never hang this enclosure by the cord! The cord and plug assembly (cord set) must be inspected for wear before each use. For replacement, contact manufacturer.

If the pilot light does not light with circuit breaker in the "ON" position, check the following conditions:

- a) Circuit breaker tripped - Make sure that the circuit breaker has not tripped (turn handle toward "RESET"). Clear the load circuit of all faults before turning "ON".
- b) Lamp failure - Disconnect plug from power supply and replace the lamp (unscrew lens guard assembly).
- c) Circuit breaker/ground fault malfunction - Replace the circuit breaker.

## MAINTENANCE DATA

This device should be checked for proper ground fault operation on a monthly basis. While connected to the power supply, turn circuit breaker handle "ON" and depress the push-to-test button. The circuit breaker should trip and the pilot light should turn off. Turn handle to reset the circuit breaker.

## WARNING

Disconnect this device from supplying circuit before entering.

## CAUTION

The surfaces between the covers and the box is a flame path and must be kept clean.

**Tighten receptacle and cover screws as follows:**

**1/4" screws: 5 ft-lbs, 3/8" screws: 23 ft-lbs.**

Inspect components for wear before each use. If damaged, the parts must be replaced at once.

## **USE AND CARE**

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

## **REPLACEMENT PARTS**

The EPEXC-GFI-200-GR-12.3-100 is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT [SALES@LARSONELECTRONICS.COM](mailto:SALES@LARSONELECTRONICS.COM) OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT [LARSONELECTRONICS.COM](http://LARSONELECTRONICS.COM) FOR **WARRANTY** AND **RETURN** INFORMATION.