# California Standard, Twist-Lock, 50-Amp, IP20 Rated Female Receptacles Instruction Manual

Thank you for your purchase of a California Standard Twist-Lock Female Receptacle from Larson Electronics.

## WARNING

**Standard Warning (General)**

### WARNING:

**READ CAREFULLY BEFORE INSTALLING RECEPTACLE. 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.

**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.

### CAUTIONS:

- USE THIS DEVICE ONLY WITH COPPER WIRE.

- ENSURE THAT LOCKING RECEPTACLE HAS THE PROPER ELECTRICAL RATING FOR THE SYSTEM ON WHICH IT IS BEING INSTALLED.

- THESE DEVICES ARE FOR GROUNDING CIRCUITS, OR EQUIPMENT GROUNDING ONLY. DO NOT USE IN NON-GROUNDING APPLICATIONS.

- THE ENCLOSURE USED TO INSTALL THE LOCKING RECEPTACLE MUST BE APPROPRIATE FOR THE LOCATION BEING SERVED (DRY, WET, DAMP).

**NOTE:** WIRE SIZE AND TYPE MUST COMPLY WITH APPROPRIATE LOCAL ELECTRICAL CODES. SELECT CONDUCTORS HAVING 90o C OR HIGHER RATED INSULATION, HAVING SUFFICIENT AMPACITY IN ACCORDANCE WITH THE 60o C COLUMN OF NATIONAL ELECTRICAL CODE TABLE 310-16 OR CANADIAN ELECTRICAL CODE TABLE 2.

**NOTE:** LARSON ELECTRONICS' LOCKING RECEPTACLES ARE DESIGNED TO ACCEPT WIRES FROM #10 AWG TO #4 AWG. ON GROUND CONNECTION ONLY USE #10 TO #6 AWG STRANDED WIRE ONLY.

### 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.

**SAVE THESE INSTRUCTIONS**

# INSTALLATION

1. **WARNING:** TO AVOID FIRE, SHOCK, OR DEATH TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!

2. Strip insulation of each conductor 3/4" (19.1 mm) per STRIP GAGE molded on the back of the Receptacle.

3. Make sure that stripped wire is clean, and of a bright copper color. If necessary, twist strands of each stripped conductor tightly. **DO NOT TIN CONDUCTORS.**

4. **NOTE:** Do not loosen terminal screws.

5. Insert each stripped conductor into proper wiring well per **Table 1**, and per markings on device. Check for stray wire strands.

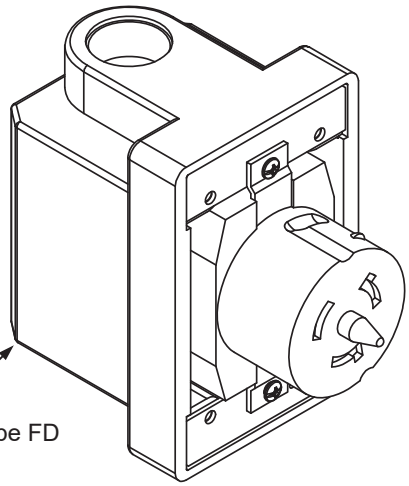
6. Tighten each terminal screw with 5/32" Allen wrench to 35 in-lb of torque. **CAUTION: TERMINAL MUST TIGHTEN ONTO CONDUCTORS, NOT INSULATION.**

7. Mount Receptacle in box **(Figure 1)** and secure cover/wall plate.

**TABLE 1**

| Terminal Designation | Conductor Color |
|---|---|
| **G, GRND, GREEN,** or **Eq G** (Grounding terminal) | **Bare, Green,** or **Green/Yellow** wire |
| **W,** or **WHITE** (Neutral terminal) | **White** or **Gray** wire |
| **X, Y, Z,** or **BLANK** (Hot terminal) | **Other than** White, Green, Gray, Green/Yellow or Bare wire |

**Figure 1 – Box Mounting**
Figure 1 – Installation sur boîte
*Figura 1 – Caja de Montaje*




**Device shown without cover**
Article illustré ici sans couvercle
*El producto se muestra sin la cubierta*

| CONFIGURATION - CS California Style | | | | |
|---|---|---|---|---|
| Locking Connector | Locking Plug | Locking Flanged Inlet | Locking Receptacle | APPLICATION |
|  |  |  |  | |
| XLE-PA-IP20-CS.50-50A-1PH-125V-2P3W-C | XLE-PA-IP20-CS.50-50A-1PH-125V-2P3W-P | XLE-PA-IP20-CS.50-50A-1PH-125V-2P3W-B | XLE-PA-IP20-CS.50-50A-1PH-125V-2P3W-R | **50A, 2 Pole, 3 Wire, 125 V Grounding Non-NEMA** |
| XLE-PA-IP20-CS.50-50A-1PH-250V-2P3W-C | XLE-PA-IP20-CS.50-50A-1PH-250V-2P3W-P | XLE-PA-IP20-CS.50-50A-1PH-250V-2P3W-B | XLE-PA-IP20-CS.50-50A-1PH-250V-2P3W-R | **50A, 2 Pole, 3 Wire, 250 V Grounding Non-NEMA** |
| XLE-PA-IP20-CS.50-50A-1PH-480V-2P3W-C | XLE-PA-IP20-CS.50-50A-1PH-480V-2P3W-P | XLE-PA-IP20-CS.50-50A-1PH-480V-2P3W-B | XLE-PA-IP20-CS.50-50A-1PH-480V-2P3W-R | **50A, 2 Pole, 3 Wire, 480 V Grounding Non-NEMA** |
| XLE-PA-IP20-CS.50-50A-1PH-125.250V-3P4W-C | XLE-PA-IP20-CS.50-50A-1PH-125.250V-3P4W-P | XLE-PA-IP20-CS.50-50A-1PH-125.250V-3P4W-B | XLE-PA-IP20-CS.50-50A-1PH-125.250V-3P4W-R | **50A, 3 Pole, 4 Wire, 125/250 V Grounding Non-NEMA** |
| XLE-PA-IP20-CS.50-50A-3PH-250V-3P4W-C | XLE-PA-IP20-CS.50-50A-3PH-250V-3P4W-P | XLE-PA-IP20-CS.50-50A-3PH-250V-3P4W-B | XLE-PA-IP20-CS.50-50A-3PH-250V-3P4W-R | **50A, 3 Pole, 4 Wire, 3Ø, 250 V Grounding Non-NEMA** |
| XLE-PA-IP20-CS.50-50A-3PH-480V-3P4W-C | XLE-PA-IP20-CS.50-50A-3PH-480V-3P4W-P | XLE-PA-IP20-CS.50-50A-3PH-480V-3P4W-B | XLE-PA-IP20-CS.50-50A-3PH-480V-3P4W-R | **50A, 3 Pole, 4 Wire, 3Ø, 480 V Grounding Non-NEMA** |

## 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 XLE-PA-IP20-CS.50-50A series of receptacles are 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 OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.