

**LC Battery Connectors****⚠ WARNING**

There are inherent dangers associated with electrical products. Failure to follow safety precautions can result in serious injury or death. These instructions must be followed to ensure the safe and proper installation, operation and maintenance of the Meltric devices. Before installation, disconnect all sources of power to the circuit to eliminate the risk of electrical shock.

**RATINGS:**

1 - 50 Volts DC - May be made and broken under load without pilot circuit.

50 - 600 Volts DC - Requires a pilot circuit to prevent disconnection under load.

**DANGER:** This device is not intended to be broken under load without the use of a pilot control circuit. For operations over 50VDC, a control circuit must be used using the pilot and ground to safely prevent unintended current interruption by the device. Failure to follow proper usage will result in serious injury or death.

200A maximum with correct conductor size.

**INSTALLATION:**

Wire sizes: 4 AWG to 4/0 AWG - Phases; 6 AWG - Earth; 8 AWG - Pilot

Indoor Use; Outdoor use when used with 50 Volts or less and rubber boots

Configurations: 2P + E + Pilot, 2P + E

Colors: Black and Grey (Note: Black plug mates with grey receptacle, but grey plug mates only with grey receptacle).



1. Insure that wire and device rating is suitable for the application. **NOTICE:** The use of undersize wire may result in product failure due to excessive heat.
2. Remove contacts from plug or receptacle by removing the plastic covered or metal screws on the bottom of the device. If the screws will not fall free after loosening, strike the device on a suitable surface to remove them.

*(Continued on Reverse Side)*

3. **Phase contacts:** Included with the device are two ferrules for attaching the cable to the contacts.

**!** Make sure these are sized properly for your wire size.

- a. Slide both wires through the rubber boot.
- b. Affix the cables to the ferrules by solder or by crimping. A crimping tool is recommended.
- c. Screw the ferrules into the back of the contact and tighten them to 100 - 115 **in lbs.**

**(11.5 - 13.0 NM)**

**Ferrule die colors:**

- A.....Gray**
- B.....Brown**
- C.....Pink**
- D.....Black**
- K.....Purple**

4. **Earth contact:** Crimp or solder the grounding conductor into the ferrule at the rear of the contact. The contact is then re-inserted into the body of the device and the holding screw put into place. Tighten to 8 - 10 in lbs. **\*(Ferrule Crimp Die color: Gray) NOTICE:** Do not overtighten screws.

**!** 5. **Pilot contact:** Pilot control circuit must be used on installations of 50vdc or more. Insert the pilot conductor through the rubber boot. Crimp or solder the conductor into the ferrule at the rear of the contact. **\*(Ferrule crimp die color: Red)**

6. Slide the phase contacts and the pilot back into the rear of the device and affix with the appropriate screws. Tighten to 8 - 10 in lbs.

#### **OPERATION:**

Insert plug into receptacle and use lever arm to complete insertion and to lock plug into receptacle. Reverse operation to disconnect.