



## IEC & EDISON INLET + BASIC HARNESS INSTALLTION

*We sell wiring harnesses with a IEC or Edison style plug soldered to a variety of pigtail cord that eliminates the soldering portion of these instructions. When you purchase the wiring harness, we solder, heatshrink tube, hot glue and test each harness. If you have the basic harness without Indy lamp and toggle switch, disregard the Wire Up section of the guide.*

### **How to intall the IEC port or Basic Harness:**

- Safety glasses are a good idea, hot solder and woodchips in the eyeball socket sucks!!
- Smelly, possibly poisonous gas is released from screaming wood particulates, do be in a well vented area.
- Measure twice and cut once and I'm proud of you for reading these instructions!
- On page 2, there's a template for cutting the IEC through hole. If you want to recess the port a little, set the IEC connector inside the through hole once you router that out, and trace around the outter portion of connector.
- Remove the IEC port and proceed to router a 1/8" countersink
- Sand and and all rough edges
- Install Harness

### **How to intall the Edison port or Basic Harness:**

- Safety glasses are a good idea, hot solder on the eyeball sucks!!
- Smelly, possibly poisonous gas is released from melting metal, do be in a well vented area
- Measure twice and cut once!
- The hole diameter is 1 15/16" and there is LITTLE room for error so make sure you have the correct diameter hole puching gear. We typically use a forstner bit to make through holes like these. Specially with hardwood board.
- Drill from both sides to prevent any blowout
- Sand any and all rough edges
- Install Harness

### **How to Wire It:**

- Determine what type/length of pigtail power cord or strip you are going to use, then strip the outside jacket back about 1", then strip the three internal wires back about 3/8 - 1/2"
- If you're using the Edison plug, attach each connector wire to the appropriate screw on the backside, soldering isnt possible with these inlet types. See wiring schematic on Page 2
- If you are soldering the IEC port, using heatshrink tubing to prevent wires from accidentally touching is a good idea, insert the proper lengths and sizes on the pigtail now. See wiring schematic on Page 2
- If you are gonna use spade terminals to connet to the IEC, go ahead and crimp those on now. See wiring schematic on Page 2
- If your sodering, tin the stripped edges of wire and the tin the solder points on the backside of the IEC connector

## Edison Wiring Schematic:

*Black Wire to Gold Connector White Wire to Silver Connector Green Wire to Green Connector*

## IEC Wiring Schematic:

*Looking from the back, use provided image for wire reference. Conenct green (ground) wire to the bottom blade, black wire to the left blade, and white to the right blade*

- If your pigtail cable has alternate colors, contact a qualified electrician or electronics repair shop for advice
- Make sure the solder or crimp joints are solid AF!
- Pull the heatshrink down as far over the wires as possible and heat; then hot glue any bare metal areas for safety.
- If you have a hot glue gun, lets warm that up
- Carefully test to assure proper function
- If it tests good, proceed to cover and exposed IEC areas with hot glue (if you have it) or similar to avoid shock

### GENERAL TOOLS REQUIRED:

*Clamps to secure the board while working on it \*Measuring Tape \* Pencil \*T-Square or Similar \*Power Drill \*, #1 Phillips Driver*

### IEC SPECIFIC

*\*Soldering iron or crimpers \*Wire Strippers\*#1 and 2 Phillips Driver \*Router \*Female Spades if Crimping*

### EDISON SPECIFIC

*\*Crimpers\* Wire Strippers\*#1 and 2 Phillips Driver \* 1&15/16" Forstner Bit*

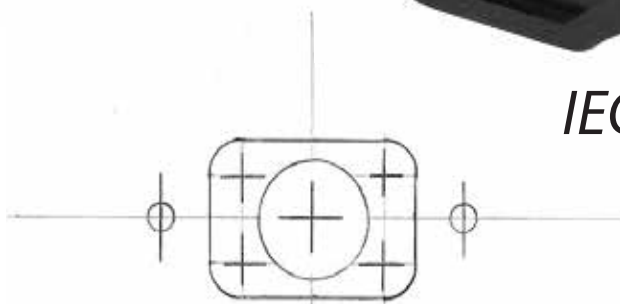
**Optional Tools: Heat Gun & Hot Glue Gun**



BLACK

WHITE

GREEN



*IEC Through Hole  
Template  
(Actual Size)*