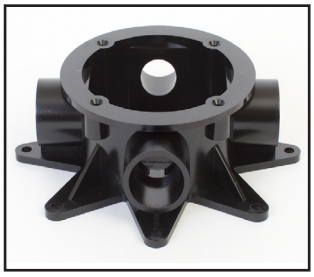
Junction Box Installation for Part Number 15248

This Installation Instruction is specific to Junction Box Part Number 15248.

Risk of Electric Shock

- TO BE INSTALLED BY A QUALIFIED ELECTRICIAN
- **WARNING:** ELECTRICAL SHOCK HAZARD
- THIS JUNCTION BOX SHOULD ONLY BE USED WITH ELECTRICAL WIRING THAT IS IN GOOD WORKING ORDER AND MEETS ALL APPLICABLE BUILDING CODES AND ORDINANCES.
- THE SUPPLY CONDUCTORS MUST BE A MINIMUM OF 14-12 AWG, 194ºF (90ºC)
- MAKE SURE THAT THE POWER IS "OFF" AT THE CIRCUIT BREAKER BEFORE PROCEEDING



APPLICATIONS

- INDOOR USE ONLY.
- CEILING MOUNT ONLY.
- ONLY USE WITH 3/4-INCH TYPE NEMA EPC-40 OR EPC-80 TC2, ELECTRICAL CONDUIT.
- MAKE SURE THAT THE POWER IS "OFF" AT THE CIRCUIT BREAKER BEFORE PROCEEDING.

SPECIFICATIONS

- 6.25 Inch Diameter x 1.88 Inch Height (158 mm x 47 mm)
- 12 Cubic Inch Capacity.
- Accommodates one (1) circuit, including two (2) or three (3) conductor wires, and one (1) ground bonding conductor.
- Maximum Light Fixture Weight: 2.5 Lb. (1.1 Kg)
- Includes Two (2) Open Hubs and Two (2) Knockouts Hubs

EPCO's Junction Box is intended to perform the following basic functions:

- Protect and cover conductor wires that have been joined as a single electrical unit.
- Protect and secure the conductor wires that provide electric current to a luminaire.
- The junction box can facilitate the installation of a luminaire.
- Prevents personnel from accidental contact with "live" conductor wires.

Installation Procedure

1. Make sure you have turned off the power at the service panel by switching the circuit breaker to the "OFF" position before starting the installation of EPCO's junction box.
2. Verify the circuit breaker is "OFF" using a voltmeter or multi-meter. Safety must be a priority when working with electrical power.

Installing the Electrical Junction Box

1. Determine the best location where the junction box can be mounted.
2. The junction box must be securely mounted to the ceiling of a wood structure using two (2) #8 or #10 wood screws.
3. The junction box must be easily accessible and cannot be covered by any surface material, including drywall.
4. When you have determined the mounting location, run the conductor wires through the hubs on the junction box.
5. The junction box can facilitate the installation of a luminaire.

Bonding the Junction Box to NEMA EPC-40 or EPC-80 TC2 Electrical Conduit

Each of the hubs on the junction box is intended for use with Type NEMA EPC-40 or EPC-80 TC2 Electrical Conduit with an outside diameter of 1.050 inch. This conduit is available from your local retailer.

1. Use regular PVC cement to "chemically" bond the conduit and the junction box hubs together (wait a few minutes to complete the chemical bonding process).
2. When the bonding process is complete, run the conductor wires through conduit and into the required access hubs on the junction box, then pull the conductor wires down and through the main hole in the junction box.
3. Use a slotted screwdriver to open any closed hubs on the junction box. Make sure you clean the edges of the junction box hub(s) before gluing and installing the conduit.
4. Close any open ports on the junction box using a NEMA EPC-40 or 80 Nipple and Cap.
5. Complete the terminations as required for the installation of a luminaire, or a splice.
   Note: Only install a light fixture or other device with maximum weight of 2.5 Lb. (1.1 Kg).

Can You Use EPCO's Junction Box to Extend Wiring?

This junction box can be used to extend the circuit wiring by making a "splice" within the junction box circuit, then "splice" in additional conductor wires as needed to complete and finalize the installation.

Part Number: E02-718-001 (A) (03/20-AGIII)

www.engproducts.com
5401 SMETANA DRIVE | MINNETONKA, MN 55343
P 800.336.1976 | F 800.336.2801

ENGINEERED PRODUCTS CO.