POWER INLET BOX
CAT. NO. PBN30
30Amps, 120/240 VAC

RELIANCE CONTROLS

INSTALLATION INSTRUCTIONS

IMPORTANT: Installation of this power inlet box and related wiring must be done by a qualified electrician in compliance with all applicable electrical codes. When used to power a structure, this inlet must be used in conjunction with a transfer switch. Not for indoor use. When using an engine driven generator, locate away from doors and windows to avoid the build up of carbon monoxide from the engine exhaust in enclosed areas.

INSTALLING A REMOTELY LOCATED POWER INLET BOX FOR SUPPLYING POWER TO THE POWER INLET OF A TRANSFER SWITCH OR PANEL

Mount the power inlet box on the outside of the building in a convenient location, using the three holes provided in the back of the cabinet. Using ***copper wire only*** and approved wiring methods run the wiring through one of the knockouts in the cabinet to a junction box located near the transfer switch. **REMOVE KNOCKOUT FROM THE INSIDE OF THE ENCLOSURE USING A SCREWDRIVER INSERTED INTO THE SLOT IN THE KNOCKOUT AND STRIKE GENTLY WITH A HAMMER.** Install four color-coded wires (AWG #10 minimum, AWG #8 maximum) -- use green for ground, white for neutral, and two other distinguishing colors (typically black and red) for the 240V line. 3/4-inch fittings can be installed directly into the knockout holes. To use 1/2-inch fittings, insert the knockout washer (provided) into the open hole, and then install the fitting. Fittings should be torqued to not more than 120 in-lbs.

Strip the wire insulation 5/8" and connect the wires in the power inlet box as follows making sure there is no wire insulation in any terminal and the inlet terminal screws are tightened to 20 inch-pounds torque:

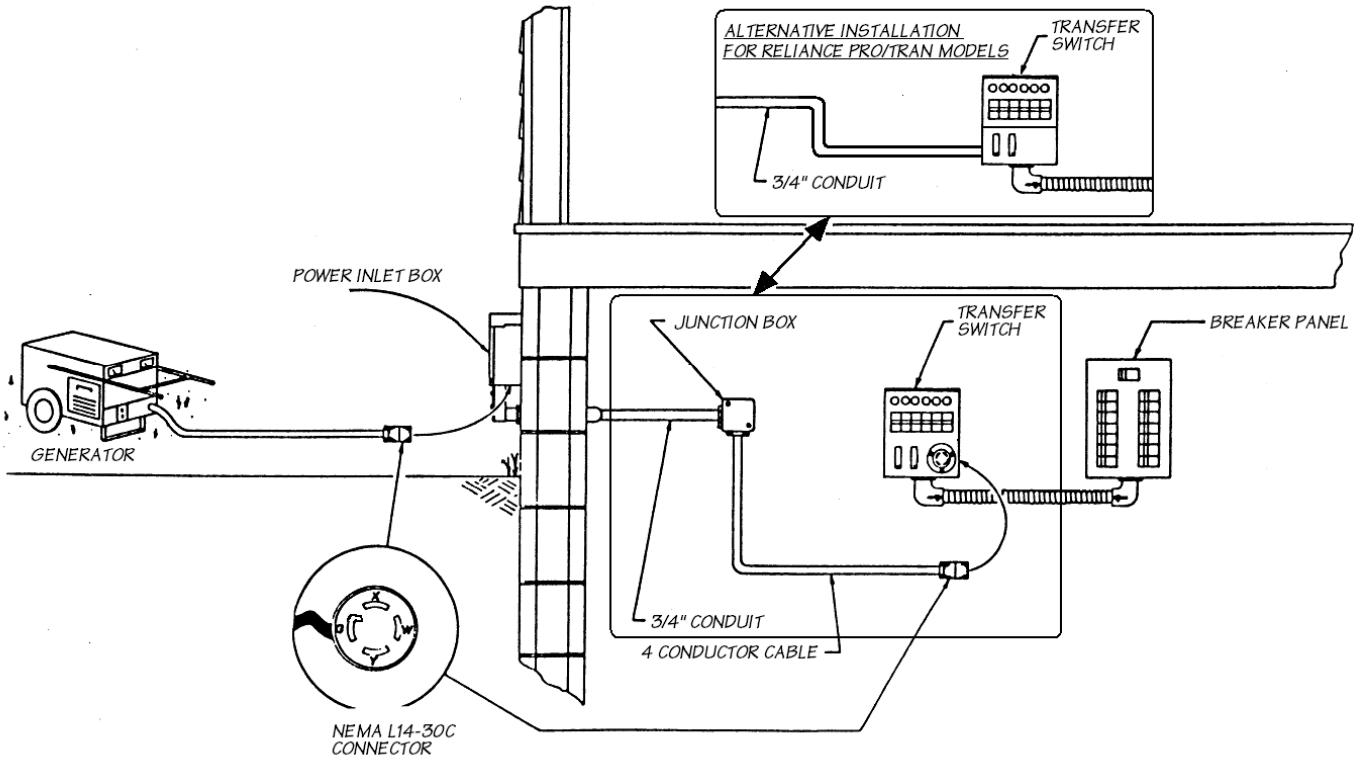
Hot wires to the brass terminals marked "X" and "Y".
Neutral wire to the nickel-plated neutral terminal marked "W".
Ground inlet wire to green screw terminal marked “G.”

PREPARING A CORD FROM THE GENERATOR TO THE POWER INLET BOX:

Using a 4-conductor 30 Amp. portable cord suitable for the purpose, attach a male plug matching the configuration of the generator outlet (typically a NEMA Type L14-30P) to one end, and a NEMA Type **L14-30C connector** (which will mate with the power inlet in the power inlet box) to the opposite end.

Following the wiring device manufacturer's instructions, wire the generator plug and the **L14-30C connector** as follows:

Red and black wires to the brass terminals marked "X" and "Y".
White wire to the nickel-plated neutral terminal marked "W".
Green wire to the green ground terminal marked "G".



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