

POWER INLET BOX
CAT. NO. PB15
15 Amps., 120 VAC



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

Installing the Power Inlet Box

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 approved wiring methods, run the wiring through one of the knockouts in the cabinet to a junction box located near the transfer switch. If using conduit, pull at least two color-coded wires (AWG #14 minimum) -- use white for neutral, and black for the 120V line. If not using conduit or if otherwise required, include a green wire as a separate ground wire.

Connect the wires in the power inlet box as follows:

120 volt line wire to the brass terminal marked "X".

White wire to nickel-plated neutral terminal marked "W".

Green power inlet wire to green ground screw terminal on inside of cabinet.

If required, green wire to green ground screw terminal on inside of cabinet.

Installing a junction box and cord connector

The cord assembly from the junction box to the transfer switch power inlet is to be made of three-conductor cord suitable for a 15 Amp. load (AWG #14 minimum). The insulation on each of the wires is colored to identify with the standardized coding in plugs and receptacles. Wire colors are usually black, white, and green. One end of the cord will be connected to the wires in the junction box, and the opposite end will be connected to a NEMA Type **515 connector** which will mate with the power inlet on the face of the transfer switch. Remove one junction box knockout and insert a cord grip and the cord.

Connect the wires in the junction box as follows:

Black cord wires to 120V line wire from the power inlet box.

White cord wire to the white neutral wire from the power inlet box.

Green cord wire to junction box ground screw.

Green wire from power inlet box, if required, to junction box ground screw.

Following the wiring device manufacturer's instructions, wire the **515 connector** as follows:

Black wire to the brass terminals marked "X".

White wire to the nickel-plated neutral terminal marked "W".

Green wire to the green ground terminal marked "G".

A diagram of the above arrangement is shown below. It is not necessary to detach the connector from the transfer switch when generator is not in use, and for convenience may be left in place at all times.

INSTALLING A REMOTELY LOCATED POWER INLET BOX FOR CONNECTION DIRECTLY TO A HARD-WIRE TRANSFER SWITCH OR PANEL:

Installation will generally be as described above, except that the wiring can be run directly to the transfer switch or panel. Wire connections are to be made at the transfer switch or panel according to manufacturer's instructions.

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

Using a 3-conductor 15 Amp. portable cord suitable for the purpose, attach a male plug matching the configuration of the generator outlet (typically a NEMA Type 515) to one end, and a NEMA Type **515 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 **515 connector** as follows:

Black wire to the brass terminal marked "X".

White wire to the nickel-plated neutral terminal marked "W".

Green wire to the green ground terminal marked "G".

