RELIANCE POWER INLET
CAT. NO. PR30
30 Amps., 120/240 VAC, 1-phase, 3-wire
Short Circuit Current Rating: 10,000 A., 120/240 VAC
Suitable for use as service equipment
Suitable for use in Wet Locations (NEC 410-57)

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.

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

Mount the power inlet box on the outside of the building in a convenient location at least 24 inches above grade level, using the mounting holes provided in the back of the cabinet. Using approved wiring methods, run the wiring through one of the knockouts in the cabinet directly to the wiring compartment of the transfer switch or panel. If using conduit, pull at least three color-coded wires (AWG #10 minimum) -- use white for neutral, and two other distinguishing colors (typically black and red) for the 240V line. If not using conduit or if otherwise required, include a green wire as a separate ground wire.

Connect the wires that you bring into the power inlet box as follows:

240-Volt line wires to the circuit breaker terminal screws.
White wire to white power inlet wire lead using a wire nut.
If required, green wire to green ground wire lead using a wire nut.

Wire connections are to be made at the transfer switch or panel according to manufacturer's instructions.

MAIN CIRCUIT BREAKER

This unit is equipped with a 30-amp. main circuit breaker, which must be in the "ON" position when power is supplied from the generator to the transfer switch or panel. If necessary, reset this circuit breaker by moving the handle to the "OFF" position, then "ON".

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 to one end, and a Type **L14-30 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 **L14-30 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".

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

If your transfer switch or panel is provided with a power inlet for cord connection, it will be necessary to install a junction box with an attached cord and cord connector of a configuration that mates with the power inlet.

The cord and connector assembly from the junction box to the transfer switch or panel power inlet should be four-conductor cord suitable for a 30 Amp. load (AWG #10 minimum). The insulation on each of the wires is colored to identify with the standardized coding in plugs and receptacles. Wire colors are usually white, green, black, and red. One end of the cord will be connected to the wires in the junction box, and the opposite end will be connected to a connector that mates with the power inlet of the transfer panel (Type **L14-30 connector** for all Reliance Panel/Link® 30-amp. transfer panels, or Genswitch™ and ProTran® 7500-watt transfer switches). Remove one junction box knockout and insert a cord grip and the cord.

Connect the wires in the junction box as follows:

Red and black cord wires to 240V line wires 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 cord 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".

A diagram of the this 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.