

Important !

Using the Detailed Wiring Diagram on Page 1. Disregard the Installation Instructions on page 1 and Follow these Installation Instructions.

The PD4100 series POWER CONTROL CENTERS should be installed horizontally (converter section to the right)
Unit is NOT ignition protected. Do not mount in the LP gas or the battery compartment.

The POWER CONTROL CENTER is not designed for wet or damp locations Install in an interior / dry location.

The INTELI-POWER converters are not designed for zero clearance compartments.

Cut mounting hole to approximately 6 7/8 x 10 1/8 “.

Connect wiring system using appropriately sized cable clamp.

AC connections:

The Shore AC power cord will come into the unit to the main breaker (not supplied) , neutral bar and ground bar.
The AC power is then distributed to 120 Volt items through the AC branch breakers , neutral and ground bars. The
converter Hot, Black, would go to a 15 amp breaker.

DC: Connections

Connect battery POS (+) labeled 001, to the Red BATTERY POS. (+) wire and battery NEG (-) to the White BATTERY NEG.
(-) wire.

Your DC items go to the individual numbered wires , corresponding to fuses . + side

Your – return side of DC items go to a ground bar (not supplied) outside of the PD4045 which in turn is connected to the
DC – side of the system and battery. Or sometimes the chassis is the DC return and the lights , etc are connected
through the chassis.

The red wire labeled 002 is for a 30 amp circuit. The remaining black wires are for 20 amp circuits.

(see wiring diagram for component details)

The OEM should test the POWER CONTROL CENTER converter under full load conditions in its intended mounting
location to ensure proper ventilation. A minimum compartment size of 3 cubic feet is recommended.

Failure to provide adequate ventilation will prevent the converter from supplying full output power.

The converter is factory set for use with Flooded Lead Acid or AGM batteries. When used with a gel cell battery, install a
jumper .0100” spacing, (not supplied) to the 2-pin connector at H4 on main circuit board.