



## OTHER GREAT PRODUCTS

### **POWER DISTRIBUTION**

**JG SERIES** – Five great models to choose from. All include basic spike and line noise protection and rotated outlets to accommodate walls wart. Options include slide out lights and a voltage meter.

**RP SERIES** – Professional grade 19" rack mount power distribution products for more demanding situations. Features a strong "Tour Class"<sup>TM</sup> chassis, 10 or 11 outlets and multiple stage spike and EMI filtration. Options include lights and meter.

### **POWER SEQUENCING**

**CQ SERIES** – AC power remote control and sequencing made easy and affordable. Select from 8 different components to build small or large sequencing systems. No master controller required.

### **UPS – BATTERY BACKUP**

Juice Goose is a distributor of great UPS systems manufactured by **Liebert**, a respected name in data power systems support. Models include stand-by and on-line designs in a full range of prices.



## INSTALLATION INSTRUCTIONS

# PD3 MULTIPLE CIRCUIT POWER DISTRIBUTION

FOR MORE  
INFORMATION

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## GENERAL WIRING DESIGN

The PD3 is configured, within the bounds of certain design constraints, to custom specifications.

The PD3 includes multiple, single phase circuits and therefore multiple “hot” and “neutral” wire leads. These circuits may be rated for either 20 amp or 30 amp current. The rating of a particular circuit is indicated by the rating of the AC receptacle(s) connected to it. Alteration of this assembly or use of underrated connectors may be hazardous.

Individual grounds are provided for each circuit in a PD3, unless otherwise specified at the time of order. The “hot” leads are distinguished by the color of the wire used. The design of the various circuits is specified at the time of order. The designation of the circuits begins with the outlets nearest the place where the wire harness exits the chassis. This circuit is considered “Circuit #1”. Outlets on this circuit are connected to the black wire lead. Outlets for each succeeding circuit are attached to a different color lead in order as follows

- Red
- Yellow
- Blue
- Orange
- Violet
- Brown

For additional circuits, designations begin again with black.

All “neutral” leads are white. All ground leads are green. The exact configuration of the wiring is determined by the specifications communicated with the purchase order.

## INSTALLATION

The PD3 chassis is assembled with two movable side mounting brackets. These brackets may be positioned as required to match available rack mounting hardware. The distance between mounting points should not exceed 48”. Always attach the

PD3 to a stable surface using appropriate hardware such as a #10 machine screw and nut.

The PD3 is not an “all weather” device. The surface to which the PD3 is mounted should be stable and protected from moisture and temperature extremes.

## GROUND CONNECTION

Ground connection for the PD3 is to be made with the green ground wire lead(s) installed in the unit. The ground wires are connected to the AC receptacles and to the PD3 chassis. Grounding is not to be made solely by way of any metal conduit connected to the chassis.

## CAUTION

This PD3 is intended for commercial use only and is to be installed only by a qualified electrical technician. Installation or use in any manner inconsistent with this documentation or with customary practice or local wiring code may cause serious damage or injury. If a malfunction is observed or suspected, disconnect this device from AC power immediately and contact Juice Goose or an electrical technician.

Each circuit in the PD3 is rated at either 20 or 30 amps. All wiring and components have appropriate maximum current ratings. Do not exceed this capacity. Do not disconnect, rewire or replace any components.

There are no user servicable components inside the PD3. Do not open the chassis.

## SPECIFICATION

The internal and external wiring of the PD3 is either 10 or 12AWG THHN. The length of the external wire harness is specified with the purchase order. The electrical receptacles and all current conducting components are UL recognized.

## CONTACT

For technical or application support use the contact information on the front of this document.