

iP PD1-4 (TM) Web Based Power Control and Monitor

General Description

The Juice Goose iP PD1-4 is a high current power distribution device that can be accessed via Internet or intranet communications using HTML, TCP, UDP or RS232 connection. With remote access, receptacles can be turned on and off and monitored for levels of electric current. An SNMP addressable model is also available.

This unique product has four 20 amp circuits, for a full 80 amp current capacity. Each circuit is an individually addressable POD.

Web based control and monitoring functions are the same as for other iP Series models, with remote control via an on board web server GUI or text commands via UDP, TCP or RS232. Current load can be monitored in the same manner.

A four foot wire harness includes separate hot and neutral legs for each circuit plus a shared ground line. The side mounting brackets have extended openings. Mounting flexibility is increased further as the brackets can be located in various positions up and down the back of the chassis.

The iP PD1-4 can be used to sequence audio equipment on and off, reduce energy consumption by scheduling equipment to be on only when needed (requires third party control system), or to reboot DSPs or other processor based electronics. The Power Cycle (TM) feature can be used to automatically reboot a network data router if network communication is lost.

Each duplex can be individually controlled to turn on and off. Each is individually metered to report current flow from 0.20 to 20.0 amps. The front of the chassis includes a network status LED and override switch that allows operation in the event of a product or network fault. Current monitoring is not available on the SNMP model.



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Detail Specifications

Chassis.....	16 gauge steel
Dimensions.....	32"L x 3.5"W x 2"D
Weight.....	13 lbs
Circuit Breaker.....	None
Relay Current Rating.....	Four @ 30A each
Number of Circuits.....	Four @ 20A each
Number of Controlled PODs.....	Four (one per circuit)
Power Input.....	4 foot external wire harness (4Line, 4Neutral, 1Ground)
Power Output.....	Four NEMA 5/20R Duplex
Input Voltage.....	US standard (120 VAC @60Hz)
Communications Protocol.....	HTML, UDP, TCP, RS232, SNMP (special model)
Front Panel Monitor.....	LED indicates network connection
Remote Monitor.....	Current load per POD (0.20A to 20.0A) Not on SNMP model
Front Panel Control.....	Override switch to turn on in event of product or network fault

Other iP Series Products

iP 1.....	In wall in a 2+1 gang enclosure, two PODs, 15A current
iP 1515.....	Rack mount, AC surge protection and filtration, 15A current
iP 1520.....	Rack mount, AC surge protection and filtration, 20A current