

iP 50 and iP 50-RX Web Based Power Controller



GENERAL DESCRIPTION

The Juice Goose iP 50™ and iP 50-RX™ are slim line, microcontroller based power distribution devices that can be accessed via Internet communications using on board web server (GUI), TCP/IP or UDP connection. With this remote access, individual AC receptacles can be turned on and off. Each model has a fifteen amp capacity. The iP 50 provides a base level of surge protection. The iP 50-RX features the proven, highly effective RX Series surge protection technology.

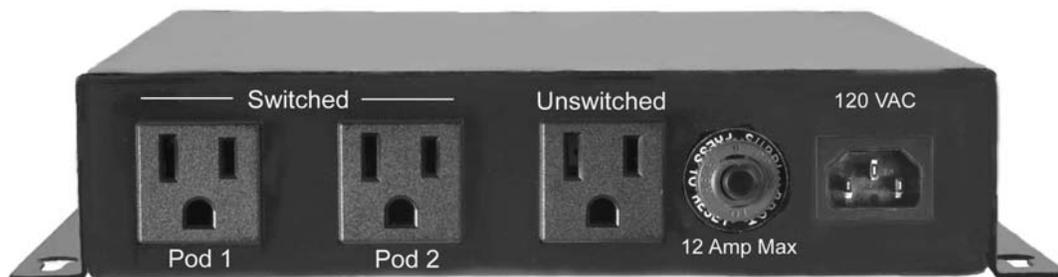
FEATURES

These products feature high quality design and construction as well as the most important functions needed for web based remote control. Two of the three AC outlets are individually controllable as “Pod1” and “Pod 2”. The third receptacle is always on when the unit is plugged in. The 1.75 inch chassis fits behind video displays or in other narrow spaces and mounts easily with the two side flanges. Each unit has a 15 amp circuit breaker and a detachable power cord with a right angle plug.

COMMUNICATION AND CONTROL

All the functions of the iP 50 can be accessed through the RJ 45, Ethernet port on the chassis. An on-board web server gives the product immediate Internet functionality through a graphic interface that can be accessed via a web browser. Or the iP 50 can be controlled using simple text based commands using a third party control system. Interface links have been developed for Crestron, Extron and other audio-video controllers.

The Power Cycle™ feature can be set to “ping” a specified web site and to automatically turn a power Pod off and on to reboot a network data router if network communication is lost.



SURGE PROTECTION iP 50

The iP 50 features a replaceable component which protects against surges between line and neutral. Power protection status, indicated by an LED on the front panel of the iP 50, is functioning so long as that LED is lighted. When the LED goes out, the unit may be disconnected from power, opened and serviced to replace the surge protection component.

SURGE PROTECTION iP 50-RX

Juice Goose RX Series power protection technology is particularly valuable because it works against common mode (ground line) as well as normal mode events. While common mode surges and disturbances don't typically cause catastrophic damage, they can result in operating failures and improper performance of digital processing equipment.

Compared with the low operating voltage of processor logic, a power anomaly of even 1 or 2 volts on data lines or logic ground can cause problems. That's why the RX Series products have a voltage surge let through of only 1/2 volt between neutral and ground. These products also protect against more dramatic events. Connected equipment is safe from surges up to 6,000 volts at 3,000 amps on hot, neutral and ground.

The iP 50-RX design also includes protection from external wiring faults including hot-neutral reversal, missing ground and over voltage. LEDs on the chassis indicate when surge protection is functioning and when there is an external wiring fault that prevents power output.

DETAIL SPECIFICATIONS

Chassis.....	16 gauge steel
Dimensions (including mounting flange).....	1.75"H x 9"W x 9.5"D
Weight	
iP 50.....	5 lbs
iP 50-RX.....	6 lbs
Circuit Breaker (thermal).....	15A
Technical Current Rating.....	12A
Number of Addressable Power Pods.....	Two
Number of Unswitched Outlets.....	One
Power Input.....	Detachable NEMA 18 AWG power cord with right angle plug
Power Output.....	Three NEMA 5/15R: two addressable, one unswitched
Input Voltage.....	120 VAC @ 60Hz
Signal Connection.....	Ethernet (RJ-45)
Network Communication.....	On board web server (GUI), TCP/IP or UDP
LED Indicators.....	network, surge protection, external fault (RX model only) and pod status (2)
Surge Protection	
iP 50.....	Replaceable metal oxide varistor (line to neutral)
iP 50-RX	
Transient Energy Absorption (Joules).....	1,020
Max Applied Surge Pulse Voltage.....	6,000
Max Applied Surge Current (Amps).....	3,000
Max Surge Let Through (Volts)	
Line - Neutral (Normal Mode).....	10
Ground (Common Mode).....	0.50



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