IPL T PCS4 & **IPL T PCS4i**

POWER CONTROL AND CURRENT SENSORS





IPL T PCS4



IPL T PCS4i

The Extron IPL T PCS4 and IPL T PCS4i power control and current sensors offer centralized power management for up to four AC outlets. Using built-in web pages or Extron's free GlobalViewer™ web-based asset management application, these new products can remotely provide complete monitoring, diagnostics, and control of A/V system power.

Extron. Electronics

- IPL T PCS4: Four 120VAC (Edison) outlets, maximum 10 amps
- IPL T PCS4i: Four 220VAC (IEC) outlets, maximum 6 amps
- Provides remote monitoring, scheduling, and control of AC outlets via the internet
- Intelligent current sensing with alarm thresholds
- IP Link[™] technology provides an integrated Web server, full Ethernet compatibility, and e-mail capability.
- Contact closure alarm port
- AC outlet grouping
- Outlet status retention during power loss
- Power up sequencing
- Front panel security lockout

DESCRIPTION

FEATURES (Cont.)

The **IPL T PCS4** Power Control and Current Sensor features four 120VAC (Edison) outlets with a maximum 10 amp load. An international version, the IPL T PCS4i, features four 220VAC (IEC) power outlets with a maximum 6 amp load. Both models feature Extron IP Link[™] technology, enabling flexible, centralized, Web-based power management.

The IPL T PCS4 Series features pre-loaded control pages for Webbased monitoring, scheduling, and control capabilities. Using the default Web pages built into the device, administrators can control outlets, set up outlet groups, configure alarms, and set up scheduled activities.

Administrators can remotely control individual outlets and assign outlets to groups for simultaneous control and monitoring of multiple outlets. Outlets can be turned ON or OFF manually or scheduled for automatic operation. For event logging and record keeping, the IPL T PCS4 can be programmed to send out an e-mail notification as each scheduled on/off event is performed.

The IPL T PCS4 Series also features intelligent current sensing. Thresholds can be set to define FULL power and STANDBY states for individual devices and user-configurable alarms can be triggered when a threshold is reached or a change is detected. Users can view the immediate status of all connected devices and determine at a glance whether a device is drawing full current, in a standby state, or not drawing any current at all.

When power is restored following an outage, the IPL T PCS4 Series will power up devices in a specific sequence rather than all at once to avoid tripping breakers. This prevents power surges at startup. When the IPL T PCS4 restarts, outlets are powered up sequentially with a user-configurable delay between each one. The internal memory of the IPL T PCS4 will ensure that only those devices that were on before the outage will be restarted.

FEATURES

- Built-in remote monitoring, scheduling, and control of AC outlets Individual AC outlets can be turned ON or OFF from any Web-browser by an administrator and scheduled for automatic powering ON and OFF daily. Users can view the real time status and current schedule for all connected devices. Monitoring A/V device status with intelligent sensing capabilities provides proactive maintenance and service capabilities.
- Intelligent Current sensing with Alarm thresholds User defined thresholds can be set for specific A/V devices denoting full power consumption, standby status or an off and physically disconnected state. Administrators can monitor A/V systems for conditions or events that are inappropriate, such as unwanted power down situations or unplanned disconnected products.

- Contact closure alarm port Alarm conditions can actuate a contact closure based on user defined parameters. This is useful for simple alarm notification and diagnostic applications where an enhanced control system is not present.
- AC Outlet grouping Allows two or more receptacles to be linked so that power can be cycled to them simultaneously with one command. This feature works well for computer workstations and other equipment with two or more AC requirements.
- Outlet status retention during power loss The internal memory of the IPL T PCS4 is unaffected with power loss ensuring that only those devices that were on before the outage will be restarted. In addition, configured outlet grouping, thresholds, and all other user defined settings are retained in the event of power outage.
- Power up sequencing Prevents an in-rush power overload. In the event of power loss and restart, power outlet receptacles can be powered on sequentially with a user-configurable delay between each one. The power up sequencing feature precludes all outlets from powering-on at once, averting a power overload spike and a blown fuse or tripped circuit breaker.
- Front panel security lockout If used in an unsecured environment where easy access is undesirable, the security lock-out may be implemented. During lock-out mode, a special button combination is required to operate the front panel.

IP Link technology provides:

- Integral Web server Each IP Link interface features a built-in Web server with memory available for storing device drivers, GlobalViewer and/or custom user Web pages.
- Global compatibility All IP Link products use industry standard Ethernet communication protocols, including ARP, DHCP, ICMP (ping), TCP/IP, Telnet, HTTP, and SMTP.
- High performance architecture Web pages are served many times faster (6 Mbps transfer rate) than similar products, so data is refreshed at a consistently high speed.
- Multi-user support Each IP Link device supports multiple concurrent users, improving system throughput by sending information in parallel.
- Multiple levels of security with password protection User access level authorizes limited entry to only pre-designated functions, while administrator access level permits full access to advanced settings.



The Monitor screen is used for monitoring receptacle status and for configuring alarm relay settings.

Versatile and Scalable Power Management

The IPL T PCS4 Series features pre-loaded control pages for Webbased monitoring, scheduling, and control capabilities. Using the default Web pages built into the device, administrators can control outlets, set up outlet groups, configure alarms, and modify the event schedule on a single device.

System-Wide Power Management Using GlobalViewer Software

Extron's free GlobalViewer software is fully supported by the Web server built into the IPL T PCS4. GlobalViewer software is a Web application with robust features including multiple room views, real-time device status, e-mail notification, and event scheduling. GlobalViewer software extends the asset management functionality of the IPL T PCS4, allowing status information for multiple power control and current sensors to appear directly in a single GlobalViewer screen along with the data for other IP Link-enabled products.

Diagnose and monitor individual connected devices remotely:

- Control and monitor individual AC outlet ON and OFF status
- Know when products are in standby status
- Remotely reset unresponsive equipment
- Set alarm thresholds for ON and STANDBY power states
- Know when power cord is removed due to possible theft

Automated actions to specific power events:

- Run a sequence automatically when an specific outlet is turned on
- Turn on specific outlets when house power is restored
- Perform safe and unattended equipment shutdown
- Power up only those devices that were ON before an outage

Schedule actions for specific date, time, or cycle:

- Turn on/off equipment during working hours
- Cycle power for staging or theatrical environments
- · Eliminate power in-rush current with timed actions

Send e-mail notifications to pagers or phones automatically when an event occurs:

- AC outlets are turned on or off
- Devices are disconnected from AC outlet
- AC system or house power is removed
- Configure alarms when thresholds are exceeded

Manage multiple systems from a remote centralized location

- Stay updated with built-in current sensing alarms for each AC outlet or groups of outlets
- Centralize ON/OFF control for hard-to-reach devices



ETHERNET CONTROL INTERFACE

Connectors Data rate Protocols Default settings	1 RJ-45 female connector 10/100Base-T, half/full duplex with autodetect ARP, DHCP, ICMP (ping), TCP/IP, UDP/IP, Telnet, HTTP, SMTP Link speed and duplex level= autodetected IP address = 192.168.254.254, subnet mask = 255.255.0.0, gateway = 0.0.0.0 DHCP = off
Program control Global Viewer requirements	Extron's Simple Instruction Set (SIS™) Microsoft [®] Internet Explorer ver. 6
AC CONTROL INTERFAC	CE
Connectors IPL T PCS4 IPL T PCS4 Voltage IPL T PCS4 IPL T PCS4 Maximum AC load, aggregate	4 USA power connectors 4 IEC power connectors 120 VAC, 45 to 65 Hz 220 VAC, 45 to 65 Hz 20 mA, 4 watts at 120 VAC 20 mA, 4 watts at 220 VAC
IPL T PCS4 IPL T PCS4 Maximum AC load, individual	10 A, 1000 watts at 120 VAC 6 A, 1000 watts at 220 VAC
IPL T PCS4 IPL T PCS4i Current sense	10 A, 1000 watts at 120 VAC 6 A, 1000 watts at 220 VAC
Range Resolution	20 mA to 10 A 2 mA steps from 20 mA to 1 A 5 mA steps from 1 A to 10 A

RELAY CONTROL INTERFACE (script-programmable alarm)		
Connector (1) 3.5 2 pole	mm captive screw connector,	
GENERAL		
Power input IPL T PCS4 120 VA IPL T PCS4i	C, 50/60 Hz, 15 watts, internal C, 50/60 Hz, 15 watts, internal - 40° to +158°F (-40° to +70°C) / 90%, noncondensing ng +32° to +122°F (0° to +50°C) / 90%, noncondensing	
Rack mountYes, wit #60-19 shelf, p Also un bracket	hoptional 1U rack shelf, part 0-01 or 60-604-01; or VersaTools [®] rack art #60-190-20 or 60-604-20. der-furniture mountable with optional s, part #70-077-01.	
Enclosure type Metal Enclosure dimensions 1.7" H : wide) 4 (Denth	x 8.7" W x 9.5" D (1U high, half rack .3 cm H x 22.0 cm W x 24.1 cm D excludes connectors)	
Product weight	(1.3 kg) kg) in carton (International Safe Transit tion)	
Listings UL, CU Compliances CE, FCC MTBF	L C Class A, VCCI, AS/NZS, ICES hours parts and labor	
Model Part N IPL T PCS4 60-544 IPL T PCS4i 60-544	u mbers -07 -09	

Specifications are subject to change without notice.

PANEL DRAWINGS





IPL T PCS4i (back)







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