Web Power Switch *Pro*

USER'S GUIDE

DIGITAL LOGGERS, INC.

Features

Congratulations on selecting the Pro, a smart web-controlled AC power switch. Features include:

Simple Web Interface
The internal web server is accessible from any browser. Simply enter an IP. Configuration and control are web-based.

AutoPing™ Reboot
AutoPing continuously monitors an IP address. If a server, router, or other peripheral goes down, AutoPing can automatically reboot it without user intervention. The Pro can monitor several devices and multiple IPs simultaneously.

8 Switched Duplex Outlets + 2 Unswitched Outlets
Eight individually switched control circuits are provided. Outlets are spaced for plugs and adapters. Un-switched outlets are provided for "always on" devices.

Programmable LCD Display & Keypad
A 2x16 LCD displays status for each outlet. Custom messages can be displayed via user scripts A keypad adds local control. Outlet states may be locked and the admin can disable the keypad.

Multi-User Password Security
Multi-user authentication limits access to the Pro. The administrator selects which outlets each user can control.

Sequenced "On Timer"
A programmable delay timer allows outlets to be switched on in sequence, rather than simultaneously. Most devices draw a surge of power when initially switched on. Using this timer, more equipment can share a single circuit without overloads. Programmable scripts can be used to create customized power-up and shut-down sequences with variable timing.

MOV Surge Suppression
A 3600W metal oxide varistor clamps power surges and spikes, protecting attached devices.

Scripting Language and API
Lua scripting can be used to create custom control and reboot sequences, schedule periodic reboots, etc. Internal and external event logs are provided. A powerful RESTful API is now available.

New Features
Supported protocalls now include Email, MQTT, IFTTT,Alexa, SNMP, Jabber, HTTPS, SSH, NTP, MODBUS, UPNP, AutoPing and Lua Scripting. The hardware features longer clock battery life, WiFi support, and a connection for external enviromental (ie temperature) sensors.

Field Upgradeable Firmware
Firmware is field upgradeable via Ethernet.

Package Contents

- Web Power Switch Pro with NEMA 5-15 plugs
- RP-SMA WiFi Antenna
- C-19 to 5-15 power cord for 120V use.

Options

- Custom length cords & plugs: digital-loggers.com/cords.html
- L shaped bracket for vertical rack mounting
- External temperature sensor
- External power sensing relay with dry contact output
- Compatible rack mount and DIN mount relay versions are in stock

Inspection

Please contact the freight carrier immediately if your package appears opened or damaged in transit. Call DLI at (408) 330-5599 for tech support, service, and hardware upgrades. The product performs a brief self-test when first powered up.

Important Factory Defaults

IP: 192.168.0.100
User name: admin
                     (lower case)
Password: 1234
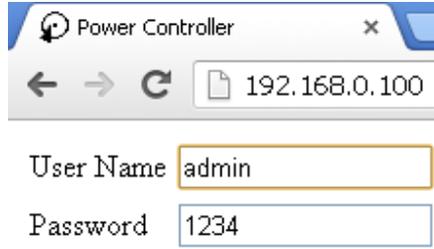
To reset to factory defaults, gently press the reset-to-defaults button below the LCD to enter the reset menu, then select a reset option.

Quick Setup

Use these shortcuts if you are an experienced installer. We recommend reading the entire manual for first-time installation.

• Unpack. Save the carton. Attach the line cord. Power up.

• Attach an Ethernet cable from the controller to your LAN. Switch power on. If you are attached through a switch, you may need to power-cycle your switch to initially establish a connection.

• Ping the default address 192.168.0.100 to confirm that a network connection is established. If you don't receive a response, proceed to the **IP Setup** section below.

• Log in to the Pro using the default user name **admin** and the password **1234** Note: *"admin" must be entered in lower case.*

• Click the **Settings** link to reach the configuration page. Select the safest power-loss configuration for your installation: (all OFF, all sequential ON, or pre-powerloss sequential ON) Note that pre-powerloss means the last previously configured state, and it does not take cycling into account. "Power loss" is defined as loss of AC power for more than 100ms.

• Configure the Pro as described below. After each change, click Submit and wait for the page to refresh before continuing.

> *Tip:* A three-bulb electrical safety-tester is handy for checking configuration before attaching loads.

Setup via LAN

If your network settings won't access the default IP, use a direct cable connection (temporarily bypass any switch or router) and follow these steps to add a compatible static IP, such as 192.168.0.50   Before adding an IP, close all programs and browsers. After the link is established, you can enable DHCP.

If you prefer, you can also adjust network settings using the keypad and LCD. See **Setup and Control via Keypad** on page 7.

Windows Step 1

In Windows, the first step is locating the network adapter TCP/IP properties. The procedure differs for each Windows version:

Windows XP, 2000, 2003: Open **Start / Control Panel / Network Connections**. In "classic view", select **Start / Settings / Control Panel / Network Connections**. Right-click on **Local Area Network Connection** and select **Properties**. Proceed to step 2.

Windows Vista: Open **Start**, right click on **Network**, then on **Properties**. Double click **Network and Sharing Center**, click **Manage Newtork Connections**. A Network Connections window appears. Right click on the network connection to the switch, ie. **Local Area Network**. Proceed to step 2.

Windows 7: Open the **Start orb**, click on **Control Panel**. Click **View Network Status and Tasks**, then **Change Adapter Settings**. Proceed to step 2.

Windows 8-10: Right-click on the Windows Start button. Select **Control Panel**. Select **Network and Sharing Center or Network->Network Settings**. Click **Change Adapter Settings or Adapter Options**. Right click on your connected network and select **Properties**. Proceed to step 2.
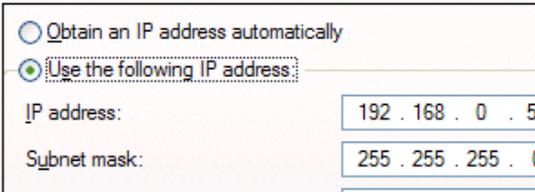
Windows Step 2

The second step is adding an IP such as 192.168.0.50 Temporarily disable DHCP while configuring the Pro.

Select:
Internet Protocall TCP/IP V4 Properties
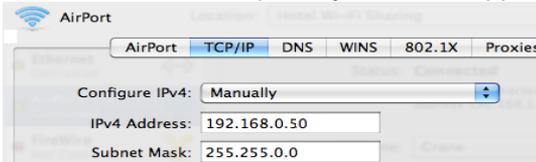and click **Properties**.

Enter a compatible static IP such as: 192.168.0.1
Click **Apply** and close windows. Ping the Pro to confirm the connection.
Point your browser to 192.168.0.100 Log in. Detailed instructions are at
digital-loggers.com/ip_setup

Mac OS X

Turn **AirPort** off temporarily. Click the Apple logo, then **System**

Preferences, then **Network**. Select **Built-In Ethernet** and then
Configure. Under the **TCP/IP** tab, select **Manually** and enter an IP
address such as 192.168.0.0 as shown:

Make changes shown. Point a browser to 192.168.0.100 Log in. Find
Mac setup details at digital-loggers.com/mac_ip_setup

Network Configuration

HTTPS is disabled by default. WiFi is
enabled with a random key.
Start by establishing a hard-wired
network connection to 192.168.0.100,
or use the LCD and keypad to display
the default WiFi SSID and password.
The **Settings** page controls network
configuration:

HTTP Port	80
Enable SSH Server	☐
SSH Port	22
Syslog Server	
Same subnet access only	☑

Submit

LAN Configuration	
MAC Address	7C:E1:FF:00:00:00
Protocol	Static IP ▼
IP address	192.168.0.100
Subnet mask	255.255.255.0
Gateway	

The IP address of the controller needs to initially match the "class C" of your system. In other words, the first three bytes (192.168.0) must match the IP on your computer to access the Pro. Using a ping utility is a good way to confirm a valid network configuration. An "unreachable" report from Ping indicates misconfigured network settings.

Once you have a connection, the Pro may be operated via a web browser. To access the Pro, enter the IP address in the URL field of your web browser. The default is http://192.168.0.100 SSH is disabled by default.

After setup, the HTTP and SSH ports (if enabled) may be moved to improve security. For example, changing the HTTP port to 2015 requires a browser URL of 192.168.0.100:2015 to reach the power controller.
Note: Some browsers deny connections to ports under 1024 by default.

Setup and Control via Keypad

In addition to setup via LAN, you may use the keypad and display to get started and to manually control the basic functions of the switch. This section describes basic keypad usage.

 Press any key to activate the keypad. If you don't receive a response, they keypad is locked out (see below).
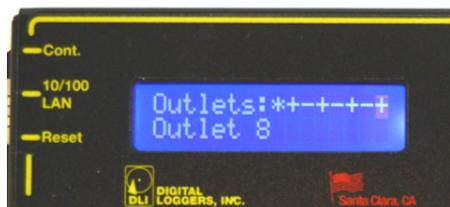
Outlet (port or relay) status shows on the first line. The outlet name or time/date of last modification shows on the second line. Three symbols are used for relay status + (ON), - (OFF), and * (LOCKED). In this example, the relay 1 is locked ON, the even numbered relays are ON, and relays 3.5.7 are OFF. The flashing cursor indicates outlet 8 is selected:

Select an outlet by pressing 'UP' (next) or 'DOWN' (previous). Hold 'UP' or 'DOWN' to advance automatically. Select an outlet, then:

• Turn the selected outlet ON by pressing '1'.
• Turn the selected outlet OFF by pressing '0'.
• Cycle selected outlet OFF-then back-ON by pressing 'CYCLE'.

The OFF time for a power cycle (ie. 10s OFF before turning ON) is adjusted here on the web UI setup page:

Holding ON or OFF down for a few seconds has a locking effect. For example, if an outlet is currently in the ON state, it can be locked in this state by long-pressing '1'. A star appears, ie:
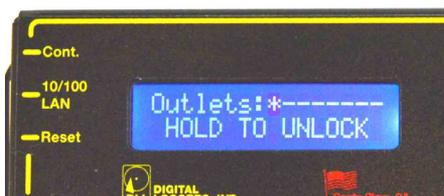
Press '0' and hold for a few seconds to unlock. Similarly, if the outlet is currently in the OFF state it can be locked by holding '0' and unlocked by holding '1'.

Although the web interface is more commonly used, the keypad can be helpful for initial setup and for minor changes. To enter network setup, press 'UP' and 'DOWN' keys simultaneously:

Network setup consists of several pages. Use the 'CYCLE' key to loop through them.

- 'UP' and 'DOWN' are used to select a field within the page.
- Pressing '1' means "yes" or "add 1"
- Pressing '0' means "no" or "subtract 1"

Available keypad settings are:
- **IP address** (default 192.168.0.100)
- **Netmask** (default 255.255.255.0)
- **Gateway** (default 192.168.0.1)
- **Syslog server** (default 0.0.0.0 = disabled)

IP addresses are comprised of four octets per page. Select an octet with 'UP' (next) or 'DOWN' (previous). Press '1' to increment the octet, or '0' to decrement.

HTTP Port
Press '1' to increment the port, or '0' - to decrement.

Same Subnet Restriction
Press '1' to activate restriction, '0' - to deactivate. When activated, only devices in the same class-C can access the switch. Note: whitelists can only be edited from the web UI.

Web configuration protection
Network settings are locked on the web setup page when protection is enabled. Press '1' to activate protection, '0' - to deactivate. If you are installing the switch in a remote location, bear in mind: you will need physical access to the switch to unlock it.

Password for admin user
Press '0' to leave the password unchanged. Press '1' to assign a new random case-sensitive password.
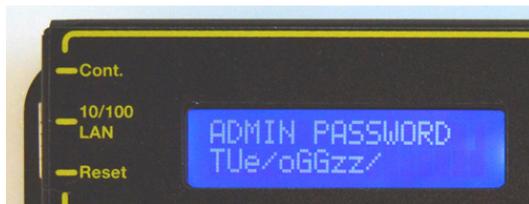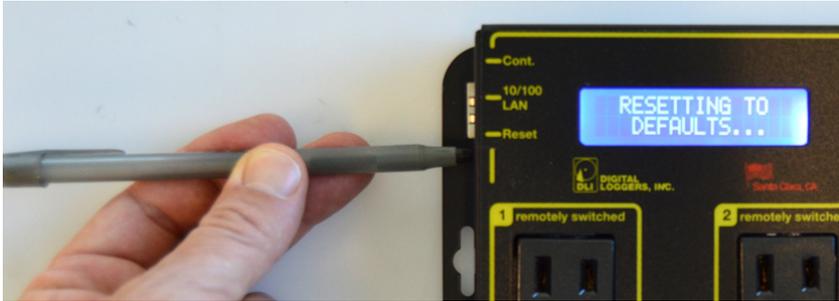

Save/Discard
Exits setup. Press '0' to discard all changes, or '1' to save. Review your selections using 'CYCLE' to correct errors before saving.

The physical keypad can be disabled by the admin from the Web interface here on the SETUP page:

Reset-to-Defaults

Press the reset button gently to enter the reset menu:

Please be gentle. Mashing it with a screwdriver could damage it. Consider exporting a backup of your settings first.

The LCD displays an overview of reset options on the second line. Use UP and DOWN buttons to select a reset option:

Clear Lock Bits
Clears protection bits only. Other settings are preserved.

Reset network and scripting
Clears protection bits, reset network settings and admin login, disable autoping and scripts. Other settings are preserved.

Reset Network and Scripting + Enable WiFi
Clears protection bits, resets network settings and admin login, disables autoping and scripts, and enables open WiFi access. Other settings are preserved.

Complete Wipe
Resets all settings to factory defaults and remove any user files. All settings will be lost!

Complete Wipe + enable WiFi
Resets all settings to factory defaults and removes any user files, then enables open WiFi access. *All settings are lost and WiFi is open!*

To trigger the reset, press and hold the reset or CYCLE button. NB: If all settings are reset (the two last 'wipe' modes), the Subnet Restriction will be enabled to prevent remote access using the default password. ONLY MACHINES IN THE SAME SUBNET WILL BE ABLE TO CONNECT AFTER RESETTING TO DEFAULTS. If connectivity is lost, try a local connection such as a laptop to restore network settings.

Home (Outlet Control) Page

Controller: WISP Outpost 2			
Thu Mar 31 11:36:19 2016			
Individual Control			
# Name		**State**	**Action**
1 DSL Router 1		ON	Switch OFF Cycle
2 Cable Router		OFF	Switch ON
3 Nanostation E		ON	Switch OFF Cycle
4 Nanostation W		ON	Switch OFF Cycle
5 Backhaul Link		ON	Switch OFF Cycle
6 Beer Fridge		ON	Switch OFF Cycle
7 Firewall		ON	Switch OFF Cycle
8 Congressional O2 Supply		ON	Switch OFF Cycle

DIGITAL LOGGERS, INC. — Ethernet Power Controller

- Outlet Control
- Setup
- Scripting
- Date/Time
- AutoPing
- System Log
- Logout
- Support
- Help

Create custom links here
To start scripts,
control devices,
or link to other HTTP

Version 1.8.1 (Dec 16 2014 / 02:00:17)

Master Control

All Outlets OFF
All Outlets ON
Cycle all Outlets

Sequence delay: 3 sec.

To access the home page, first enter the controller's IP address in the browser URL field, then log in. User **admin** has access to all features. Other users have limited access to outlets as assigned by the administrator

Outlet Control
Clicking "Outlet Control" links to the home page used for manually switching outlets on and off. Access to specific outlets is determined by username. Admin controls all circuits.

Setup
The setup page lets you set outlet names, create web links, adjust startup delays, and set a power loss recovery mode. You can also add user accounts and change login credentials on this page.

Scripting
The Lua language lets you easily customize the Pro. Scripts may be started manually, automatically on power-up, by external http commands, or by AutoPing events. Find a list of commands and examples at: digital-loggers.com/scripts.html

AutoPing
The AutoPing page lets you set parameters to automatically reboot attached equipment. First, specify an IP address to ping. Next, adjust the timing settings and use the checkboxes to link the IP to power circuits. For example, if a router is unreachable, you may set AutoPing to reboot both a router and a switch attached to two different circuits. Learn more on page 14 and at digital-loggers.com/autoping2.html

System Log
The Pro keeps an internal event log including logins, outlet switching, power interruptions, and AutoPing events. Recent events are stored in the log and accessible from the System Log page. SYSLOG export is supported. For more information: digital-loggers.com/syslog.html

Logout
Browser logout is automatic when a session is closed or after a time-out period. Use this link to log-out in advance.

Programmable Web Links
User-defined web links are provided. Set names and destination URLs for these links on the **Settings** page. These are convenient for connecting to other power controllers, linking to page hosted elsewhere, and for starting scripts.

# Switching and Cycling Outlets
The outlet control page lets you control any outlet (except the always-on pair). A master control lets permitted users switch all outlets on or off.

To switch an outlet, simply click to the right of the outlet name or number. On->Off switching is immediate Off->On switching speed is limited by the adjustable On Sequence Delay setting.

Use the keypad for local control: Select an outlet using the arrow keys, then press on, off, or cycle. Press ON or OFF for 5 seconds to lock or unlock an outlet. Locking prevents web access. To change the display mode, press the up and down arrows simultaneously. The keypad may be disabled on the Setup page.

You may want to Cycle a device which is connected to the Pro. This feature is useful for rebooting Ethernet devices which may interrupt the web link to the controller. Clicking **Cycle** switches power off, waits for the **Cycle time**, and then switches power back on while conforming to the ON Sequence Delay. This reboots the attached device.

You can also cycle all outlets using the Master Control on the bottom of the page. An adjustable ON sequence delay takes effect when outlets are turned on one after another, ehether when using the

All Outlets On button, on power-up, or when switching manually using the front panel. This prevents power surges. A *separate* Cycle delay setting is provided on the setup page.
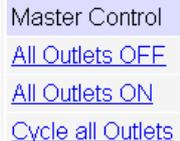
Master Control
All Outlets OFF
All Outlets ON
Cycle all Outlets

Depending on your web browser settings, you may need to click the Refresh button or F5 key to update the on-screen status display after changing settings. Screen refresh rate is adjusted in two places: on the Setup page and in your browser settings.

Setup Page

The **Setup** page allows the admin to configure:

Controller and Outlet Names
Use the controller name field to assign a name to the Pro.
An example is **Rack 4 PDU.**. The Controller Name will appear on top of all pages. Assign a separate name to each outlet, such as **DSL Router 1** or **Email Server** to aid identification. Check the **Confirm** box to the right of the outlet name if you would like a pop-up window to appear before switching critical outlets.

Power-On Sequence Delay
When a time value is entered in the **All ON Sequence Delay** field, the Pro will pause for a period of time before switching each outlet on in sequence. This delay helps prevent power surges and blown circuit breakers which can occur when multiple devices are switched on simultaneously. A delay of 60 seconds is suggested for server applications.

You may also enter a screen refresh delay in this section. If **Enable screen refresh** is checked, and a delay value is entered, your browser should periodically update the status screen.

Wrong Password Lockout
After three failed login attempts, the Pro can disable access for a selected period of time.

Power Loss Recovery Modes
The power loss recovery mode setting has a very important setting that determines operation after a power failure:

1. Turn all outlets off (all systems will be switched off until

When recovering after power loss	◯ Turn all Outlets off
	◯ Turn all Outlets on (in delayed sequence)
	◉ Return to pre-powerloss state

    manually turned on later, possibly by a script).
2. You can automatically turn all outlets on using the sequence delay timer described above.
3. You can return to the same outlet settings that were used prior to the power loss. ie. 1 On, 2 Off, etc. The ON Sequency delay timer is used here as well.

Note: If you have written a power-on script, the recovery mode takes effect before script execution begins. Scripts start after self-test, approximately 30 seconds after power-up.

User Defined Links
Add hyperlinks to other power controllers, your own web pages, or

remote web sites by entering URLs in the **Setup** page. For example, enter "Site Two Power Controller" in the description field and a URL of "192.168.0.250" These links appear on the left side of the web pages.

Access Control
The administrator can grant users access to only certain outlets. To set permissions, login as admin first, then create a permissions matrix by entering user names on the left and checking allowed outlets on the right.

Network Settings
A valid fixed IP address, network mask, and gateway must be entered in this section.

When changing IPs, you may need to restart your network switch to validate the new IP on an "auto-configuring" switch port. *Be sure to record the new IP address.*

Use the **Protect** button to lock the network settings. *Once protected, the network settings cannot be changed except by pressing the physical reset button on the side of the Pro.*

AutoPing™

AutoPing Operation and Settings
AutoPing is an automatic system for rebooting IP equipment without human intervention. AutoPing will monitor a device. If it stops responding, AutoPing can cycle power to reboot it. For example, you might use AutoPing to monitor an external multi-cast IP to automatically reboot a DSL router or WiFi AP.

To use AutoPing, first add an IP address. Next, link that IP address to one or more outlets. Timing settings must be considered.

Add IP Address to AutoPing
Use this option to specify the address of an IP device you wish to monitor. After entering the IP address, the settings page will refresh and you can select the outlets associated with this address. Use the checkboxes in the AutoPing section to correlate the IP address to one or more outlets. If communications to the target IP is lost, these outlets will be rebooted. Four main parameters control AutoPing:

Time between pings
This is the time between each "ping" check of the IP address. 60 seconds should be useful for most applications.

Ping failures before reboot
This sets the number of failed communications attempts that must be sequentially detected before a power cycle. For example, when set to 5, the target system must fail to respond 5 times in a row before it is rebooted. Since occasional network timeouts and packet loss can occur

during normal Ethernet operation, between 5 and 10 pings is suggested.

Times to Attempt Reboot
If you have an unreliable target device, or one that may be damaged be excessive power cycling, you can limit the number of times it will be rebooted here. For example, entering 5 to reboot your server up to 5 times before giving up.

Device Reboot Delay
After power cycling to reboot a device, a waiting period will occur before the IP address is re-checked by AutoPing. This delay allows the device time to reboot. Most devices take some time to reboot. Windows and Linux servers can force automatic file system checks which may take several minutes to complete. To allow for startup delays, enter a time delay in the **Device Reboot Delay** period. For example, a reasonable value for a typical server might be 10 minutes (600 seconds). Entering 600 would cause the power controller to start checking the server for normal IP operation 10 minutes after reboot.

AutoPing™ Example

In this example, we use AutoPing to automatically reboot a DSL router. Since the switch is connected inside the router, we select a target IP of 8.8.8.8 This is a multi-cast address which connects to a multitude of Google name servers. We can safely assume that if none of them respond, we have lost network connectivity.

We connect the router to outlet 1, enter the external IP on the left, and leave all timing values at defaults.

Find more details at: digital-loggers.com/AutoPing2.html

Internet Access

Like to access your power controller over the Internet? Need router settings? Learn how to configure your home router at portforward.com A firewall is recommended. Give us a call if you need help.

Mobile Device Access

Most mobile users find the web UI scales well on phones and tablets, so no special app is normally unnecessary. Non-admin accounts have a simplified UI suitable for mobile devices with small screens. Third-party applications are available to control various DLI products from Android and IOS. These apps are sold and supported by independent developers, not by DLI. Learn more: digital-loggers.com/mobile.html

Real-Time Clock

An internal Real-Time-Clock (RTC) is provided. This clock can be set manually using the **Date/Time** link. The time zone can be selected based on GMT. Internal batteries have an estimated 15-year lifetime.

Lua Scripting

The controller can be customized using the Lua language. A full description is beyond the scope of this manual, so please take advantage of the emedded example scripts and context sensitive help. You may also find lua.org helpful.

Safety Shutdown

The Pro uses a UL rated thermal circuit breaker for safety. In the event of an overload, the breaker will trip. Correct the situation by removing excessive load, then allow a minute or two for the breaker to cool. Cycling power on and off with the red rocker switch resets the breaker. The maximum rated current is 15A.

External Environmental Sensor

A 3.5mm jack near the antenna connector provides power and ground for TTL environmental sensors. The tip is TTL data, the ring provides 5V and sleve is grounded. The Dallas DS18B20 is currently supported. Sensors are sold separately.

Open Source Code

In compliance with the spirit of the GNU public license, most source code is provided for reference. Purchasing a TLA and signing an NDA from Atheros are highly recommended before attempting any custom development. DLI can't provide warranty or offer tech support for modified units.

Technical Support & FAQs

Please register. Painless on-line registration gets you free tech support, access to firmware updates, and information when updates and new features become available. Take advantage of the FAQ page:

digital-loggers.com/ProFAQs.html

Your Suggestions Are Appreciated!

At DLI, we listen to customers. Please send suggestions to engineering@digital-loggers.com.

Latest Manual

FAQs

AutoPing

Rack Mount Model

Scripting

DLI Homepage

Web Power Switch *Pro*

digital-loggers.com

Specifications

Applications	Test equipment. Commercial, industrial, and residential remote power control and reboot Indoor use only
Audio Alert	73dBa at 12" programmable
Circuit Breakers	Manual reset, 15A Thermal Supplemental, UL
Clock / RTC	15 year Li battery, under 2 grams
Controls / Display	Reset -to-factory-default switch, 2x16 Backlit LCD w/ PowerSave, 5 button keypad, manual reset
Enclosure	Steel, double grounded. Vented 4 sides. Fanless.
Ethernet Interface	10/100 autosensing, Static IP, TCP port selectable, 8 pin RJ-45 w/ internal FCC filtering
FCC Testing	Part 15 FCC ID 2ACIUPRO
Humidity	8-80% RH Operating
Input Power Cord	Removable 16-14AWG 120VAC C-19
Inlet and Outlet Rating	UL, CSA 15A, 5-15,120VAC only
Input Frequency	Power supply - DC-400Hz
Operating Temperature	-30º to 170ºF, -34º to 77ºC
Options - Factory	Input cord length and 120V plugs, rack bracket
Power Supply Rating	90-240V, AC/DC Autosensing
Password Transmission	Encrypted, base 64 or HTTPS
Power Dissipation	3.9W Typ Max (all on) <3 W idle
Power Fail Hold-Over	200ms minimum (all relays on)
Power-Up Modes	Last used settings, all power on or off, sequential on or run user-script ~30s after power-up
Protocall Support	Alexa, HTTP, HTTPS, IFTTT, SSH, SSL, MQTT, Lua, SNMP, JABBER, SYSLOG, RESTful API, MODBUS, EMAIL, XMPP, UPNP
Relay Specs	40A AC NO, 1/2HP, 12V DC coil
Surge Protection	3600W Metal Oxide Varistor
Size	5.5x13.7x1.6'''
Weight (packed)	Single unit 4.7lbs 2.2kg
WiFi	Atheros 9331 2.4G 802.11n RP-SMA - FCC Note: The EPCR5 may only be used with (1) the manu facturer supplied antenna (Gain: 2.0dBi),or (2) a 50 Ohm antenna of equal or lesser gain.

Limited Five Year Warranty

The terms of this warranty may be legally binding. If you disagree with the terms below, return the product immediately in original unopened condition for a full refund. The purchaser assumes the entire risk as to the results and performance of the unit. DLI makes reasonable efforts to snure that this power controller is free of major defects. No agency, country, or local certifications are included with this unit. It is the responsibility of the user to obtain such certifications if necessary for the customer's application. Buyer acknowledges and agrees that he is solely responsible for proper use, certification and safety testing of components supplied by DLI. DLI's entire liability and exclusive remedy as to defective hardware shall be, at DLI's option, either (a) return of the purchase price or (b) replacement or repair of the hardware that does not meet DLI's quality control standards and has been returned through proper RMA procedures. DLI's liability for repair or replacement is to DLI's customer ONLY. NO SUPPORT IS PROVIDED FOR MODIFIED FIRMWARE. MODIFICATION OF FIRMWARE VOIDS ALL WARRANTY. Warranty service requires an original invoice from DLI and an RMA number provided by technical support. RMA material must be shipped prepaid to DLI. RMA numbers are valid for 15 days from date of issue. This warranty does not cover products which are modified (including firmware modifications), subjected to rough handling, or used in applications for which they were not originally intended. Batteries are not covered under warranty. Physical damage caused by customer or in transit to DLI is not covered under warranty. Please insure shipments. No oral advice or verbal warranties made by DLI's employees, dealers, or distributors shall in any way increase the scope of this warranty. DLI makes no warranty as to merchantability or fitness for any particular purpose. DLI assumes no liability for incidental or consequential damages arising from the use or inability to use this product. This warranty gives you specific legal rights. You may also have other rights that vary from state to state. Since some states do not allow the exclusion of liability for consequential damages, some of the above limitations may not apply. Auto-Ping™ is a registered trademark of Computer Performance, Inc. Since this is a FLASH based product, firmware should not be updated over the Internet or a busy LAN. Packet loss could result in FLASH corruption, requiring mail-in service. This product is designed for indoor use only. It should not be used for outdoor, mobile, airborne, or FDA Class III applications.

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Released 12/16/2018

Compatible Products:

90-240VAC Smart PDU

DIN Relay

2x50A, 8x15A DC Smart Switch (+12,+24, or -48)

Smart PoE Injector

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