

Light. The essential Energy. It provides Life.



**Warmth. Comfort. Security.**

PulseWorx lets you control your LightStyle™

# A Day in the Life of a Home Lit by PulseWorx®

## The Magic of a Keypress...

- It's before dawn; a pathway is lit from the bedroom to your kitchen for that first cup of coffee.
- You've created the perfect ambiance — inside and out — for a big party or small gathering of special friends.
- You've set the lights to turn on automatically at dusk or dawn.
- You forgot to turn off the lights in the kitchen on your way out to pick up the kids, just... Tap the keypad on the way out the door or from the app on your smart phone.
- You can turn off lights, after you're in bed, with the bedside controller by the touch of a button
- Going away for a long weekend but left all the lights completely off? Turn on the "looks-like-we're-home-mode" scene via your smart phone.

## A few reasons you should go with PulseWorx

- Our products are easy to use and come preprogrammed making us great for retrofits and new houses alike. Installation time is quick, uncomplicated and trouble free
- NO NEW WIRING. PulseWorx is based on the Universal Powerline Bus technology, known as UPB®. We use the existing electrical wire already in your home for the network communication. This means no cutting through drywall to run low-voltage wiring to every device.
- Our free UPStart software makes it easy to design, configure, program, analyze and certify PulseWorx. If issues should ever arise, we can quickly come up with a resolution using a basic computer. We can also remotely do this with your permission.
- We are the ONLY Company with a one-year money back guarantee when installed by one of our certified integrators, and on top of that we offer a five-year product warranty.



This photo and front cover courtesy of Light My Landscape – Plantation, FL

## Your flexibility

The **PGW** allows you to remotely control, program, modify **schedules**, to your PulseWorx Lighting system. UPStart software is a powerful tool that enables users to unlock all the advanced features of PCS and any other UPB products. It is a Windows® based application, designed to communicate with and configure all UPB devices. UPStart's flexibility allows users to design and create different lighting scenes

step-by-step. When used with **PCS's PulseWorx App**, it enable you to remotely access and control your system by using Apple® iPhone/iPad and **Android** devices. **Windows version's PulseWorx App** is also **available**. Extensive customization allows the user to control their system from anywhere in the world with ease **after internet router configuration with port forwarding**. Built in security provides peace of mind that unauthorized use of the application to control equipment is not possible. The **PGW** is a standalone unit for UPB home automation

- Integrated control your PulseWorx UPB Lighting systems.
- Fully custom graphic screen layout allows unlimited possibilities that adapt to the end-users needs.
- Flexible control and organization of multiple UPB lighting systems whether located in one location or several.

### PRODUCT SHOWN

PGW – PulseWorx Gateway (Ethernet)  
WS1DL-6 Wall Switch Dimmer, 600W  
KPLD-7 Seven-Button Keypad Dimmer,  
PulseWorx Mobile Application

### FEATURES

- Allows access to a PulseWorx system from anywhere in the world via iPhone, iPad, Android, and Windows computer
- Allows UPStart to be run remotely
- Manages up to 250 devices
- Allows users to gain virtual keypads (configured in UPStart software)



## Load Controls

These wire-in and plug-in load control wall switches, dimmers and modules enable remote control of practically any device that connects to the electrical powerline.



**MODEL WS1DL-6** Wall Switch LED Dimmer, 600W  
**MODEL WS1DL-10** Wall Switch LED Dimmer, 1000W



**MODEL WS1DL-24** Wall Switch LED Dimmer, 2400W



**MODEL WS1E-3** Electronic Low Voltage, 300VA  
**MODEL WS1R-15** Wall Switch Relay, 15A



**MODEL WS1E-5** Electronic Low Voltage, 500VA



**MODEL RWS** Remote Wall Switch



**MODEL WS1C** 0-10V Relay Dimmer Wall Switch, 15A. RM0-10V is required.



**MODEL RM0-10V** Receiving Module 120V~277V



## Dimmers/Switches

By replacing existing switches in your home, these dimmers give you complete direct load control and or remote control of incandescent, fluorescent, LED, CFL, inductive, and magnetic low voltage loads. With a single press of a switch, you can control a group of lights and devices, such as turning off kitchen lights or creating a pathway of light. The RWS Remote Wall Switch is designed to provide three-way or multi-way lighting control to a WS1 Wall Switch Dimmer.

### FEATURES

- Each unit can be a dimmer, an on/off switch or a two button transmitter depending on its programming
- Can be used for stand-alone scene lighting control, or with a controller
- Variable fade rates for rocker switch operation and all scenes can be set between instant-on and one hour
- Programmable on-level with 100 dimming steps for elegant scene options and notification of status
- Adjustable Receive Sensitivity to maximize communication reliability
- Auto-off timer from one minute to two hours
- Multi-colored LED to show status of load
- Capability to control 0-10V LED dimming fixtures





Photo courtesy of Light My Landscape – Plantation, FL



## Lamp and Appliance Modules

Perfect for remotely controlling one or more plug-in lamps and appliances. Simply plug the item you would like controlled into the controlled outlet on the bottom of the module and then plug the module into the wall. A pass-through outlet allows plugging in other items that do not require remote control. The Receptacle Module top outlet is controlled for a cleaner installation.

### FEATURES

- The Lamp Module provides as much as 400W of power to the lamp(s)
- The Appliance Module will handle up to 12 Amps for ON/OFF control
- The Receptacle Module will handle up to 15 Amps for ON/OFF control
- Pre-programmed with seven preset scenes to create inviting moods and a flash feature for notification
- Dimmer function can also be disabled, turning the Lamp Module into a switch, allowing on/off commands to non-dimmable loads such as fans or radios
- Auto-off timer

**MODEL LM1-4** Lamp Module, 400W 1-Channel

**MODEL AM1-12** Appliance Module, 12A

**MODEL RM1-15** Receptacle Module, 15A



## Fixture Modules

The ideal solution for controlling incandescent, LED and fluorescent lights, or an entire circuit of fixtures. The fixture modules are also capable of controlling non-dimming loads (such as motors or transformers) that need to be individually controlled or are not currently wired to a dedicated wall switch location.

**MODEL FMD2-4** Fixture Module Dimmer, 400W 2-Channel

**MODEL FMR1-20** Fixture Module Relay, 20A 1-Channel



## Output Control Module

Designed for controlling shades, sprinkler valves, gates, garage doors, gas fireplaces, pumps, and anything that is controlled by a relay. Having two independent channels creates flexible options. Each 8A channel can be a member of up to 16 Links/Scenes with the capability to store a pre-set relay state (OPEN or CLOSE). Auto-off timers from 1-240 seconds or minutes allows for all kinds of applications.

**MODEL OCM** Output Control Module, 8A 2-Channel

# Controllers

It's all up to you, from controlling specific devices to create dramatic whole-house scenes. – It can all be done by a button press, smart phone, or on a schedule. It's your choice!



Photo courtesy of Kin Mitra Consulting – Reynolds Plantation, GA



## Keypad Controllers

Our keypads are customizable, yet simple to use. The keypad controllers are used to control a single light or multiple lights with one button by sending commands over the existing electrical wiring throughout the home. This then allows you to turn on or off, brighten and even dim lights. Program each button to trigger a different scene, control specific lights or your entire home. Each button will operate in one of 16 specific modes and initiate commands from a single tap, double-tap, press, or release to generate the perfect ambiance.

### FEATURES

- LED Tracking enables true status indication of scenes and devices
- Adjustable backlighting brightness
- Temporarily lock the keypad to keep children or guests from using the keypad
- Six button models accept IR commands which reproduces the buttons for true remote control from across the room
- Desktop version is plugged into your electrical outlet
- Custom Engraving is available

**MODEL KPCW-6** Six Button Wall Mount Keypad

**MODEL KPCW-7** Seven Button Wall Mount Keypad\*

**MODEL KPCW-8** Eight Button Wall Mount Keypad



**MODEL KPCD-6** Six Button Desktop

**MODEL KPCD-7** Seven Button Desktop

**MODEL KPCD-8** Eight Button Desktop

**MODEL IRR-2** IR Remote

\* KPC7 available only in White, Light Almond and Black



## Keypad Dimmers or Relays

This Hybrid Keypad is a Dimmer or Relay and Controller in a single package capable of handling 400W or 8A. The ON, OFF buttons are preset to control its own lighting load, as well as remotely triggering dramatic scenes throughout the home.

### FEATURES

- Dual-purpose keypad/dimmer/relay fits in a single gang location
- The 400W or 8 Amps rating can be configured to act as a dimmer or switch
- Will control single lights, trigger dramatic scenes and/or send messages to a central control unit
- Choose from 16 function modes for each button
- Buttons can be programmed to provide direct load control, other single devices or scenes
- Keys are backlit and adjustable to permit comfortable nighttime viewing
- Pre-programmed with 7 preset scenes with a light level to create inviting moods
- Custom Engraved Buttons and Membranes are available

**MODEL KPLD-6** Six Button Keypad Dimmer, 400W

**MODEL KPLD-7** Seven Button Keypad Dimmer, 400W \*

**MODEL KPLD-8** Eight Button Keypad Dimmer, 400W

**MODEL KPLR-6** Six Button Keypad Relay, 8A

**MODEL KPLR-7** Seven Button Keypad Dimmer, 400W\*

**MODEL KPLR-8** Eight Button Keypad Relay, 8A



\* KPLD-7 and KPLR-7 available only in White, Light Almond and Black

## Interface Devices

The PulseWorx Lighting Control System may be interfaced to home automation controllers, security panels, multi-room audio systems, media servers, computers, off-the-shelf sensors, X-10 devices, doorbells, even your telephone using the extensive line of Interface Modules.



Photo courtesy of Light My Landscape – Plantation, FL



### Powerline Interfaces

- The **PIM-U** connects to any available USB port. Software drivers allow the PIM-U to emulate a serial PIM by taking over an available COM port.
- The **PIM-IP** is an Ethernet interface that connects to a router. Remote programming with UPStart can be obtained via standard port forwarding.
- The **PIM-R** is an RS-232 serial interface that connects to any available COM port via a DB9 serial cable (included) to enable devices to communicate UPB.
- The **PIM-E** makes it easy to enable the ELK M1 to communicate with a UPB network via the M1 data bus without a lot of complex or ugly cabling or connections.
- The **PGW** enables any front-end controller to communicate with a UPB network as well as maintain a Unit ID, empowers the use of mobile devices, smart phones and/or tablets to control PulseWorx Systems.

**MODEL PIM-U** USB Powerline Interface  
**MODEL PIM-IP** Ethernet Interface  
**MODEL PIM-R** RS232 Powerline Interface  
**MODEL PIM-E** Powerline Interface ELK Bus  
**MODEL PGW** PulseWorx Gateway

### Timed Event Controller

The TEC is an astronomical clock which stores up to 20 individual timed events. Each event can be configured to occur, daily, during the workweek, on weekends, on specific days of the week or on a specific day of the year. Event times can be specified as absolute times or relative to sunrise or sunset times. A Security Mode will randomly vary the event time each day within a user specified time window giving your home a lived-in look.



#### MODEL TEC Timed Event Controller



### Input Control Module

Offers two independent channels, contact or voltage, for automating single lights or triggering scenes.

#### MODEL ICM Input Control Module



### X-10 to UPB Interfaces (limited in quantity)

The Bridge changes X-10 commands from a controller into reliable signals. The Converter translates existing X-10 signals already on the powerline into UPB.

**MODEL PW513** X-10 to UPB Bridge  
**MODEL XPW713** X-10 to UPB Converter



### Telephone Control Module

Senses a telephone ring to trigger any event or scene.

#### MODEL TCM Telephone Control Module

### Doorbell Module

Senses a doorbell current to trigger any event or scene.



#### MODEL DCM Doorbell Module



Photo courtesy of Kin Mitra Consulting – Reynolds Plantation, GA

## About Us

PulseWorx® is built by Powerline Control Systems, Inc. — the leader in the power line lighting control industry. We don't knock out walls. We use existing wiring. This streamline approach speeds up the installation process and keeps cost under control.

UPB® has proven to be the best technology on the market and we invented it!. You can design a system for any home or business, whether it's dimming lights or owning a spectacular multifaceted system that can do just about anything.

Some systems that use old fashion radio control set ups or require additional special wiring can be costly PulseWorx costs a fraction of that price, we use the phrase... Affordable Luxury.

## Testimonials from some of our Light-Hearted Certified Integrators

"PulseWorx has always done exactly what we called on it to do. It is easy to install, intuitive and exceedingly reliable on our extreme high-end custom jobs. I highly recommend this product!"

**Joe Strang, Showcase A/V Home Theatre, Calgary, AB**

"We have systems that have been installed for over five years. Our customers love it. All I can say is that PulseWorx is ultra reliable and we have never had a single service call."

**Craig Heim, SimpleHome LLC, Westborough, MA**

"PulseWorx continues to be a cornerstone product in our home automation offerings. It is a cost effective solution with continued reliability and ingenuity that exceeds electricians and customers expectations."

**Don Bendell, Louisa's Movie House & Electronics, Durango, CO**

"I believe you have broken a technology barrier with your equipment. I can spec and sell it knowing that I will not get a call back and these types of retrofit systems are worth a fortune. Yeah for a product that does more than you claim!"

**David Steinitz – F.I.R.E./L.T.D., Los Angeles, CA**



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