

Pow-R-Command PRC1000 Digital Switch



The Pow-R-Command™ Digital Switch is a state-of-the-art microprocessor-based low voltage device. Each switch has the ability to communicate directly to a Pow-R-Command 1000 line of lighting controllers through a dedicated digital switch network.

Highlights

- Network capability with existing Pow-R-Command 1000 line of products.
- Up to 99 switches per single network.
- Onboard rotary switches for ease of addressing.
- Soft-touch 2-, 4- and 6-push-button options available.
- Real-time status indicated through LED status backlit for each button.
- Built-in analog and digital input/output.
- Standard single-gang box mounting.
- Standard Decora®-type wall plate fitment.
- Black, white and almond colors available.

Each PRC controller can have up to 99 digital switches connected to the system. This gives distributed control throughout the entire facility at a much lower cost of installation. In addition to the network features, each PRC Digital Switch is completely customizable and can be programmed to precisely meet the needs of the customer's lighting control strategy. This program is stored directly in the switch's integrated memory, which adds to the robustness of the digital switch network. In addition to its network communication capabilities, the Pow-R-Command Digital Switch has built-in inputs and outputs that allow the connection of photo sensors, occupancy sensors and dimmable ballasts to achieve fully integrated zone lighting control from one device.

Features

- RS-485 network communication to the Pow-R-Command 1000 line of the lighting controllers. Completely integrates into the facility's Pow-R-Command automated lighting control system. Can be connected to a common network with the Pow-R-Command Wireless Switch Network devices; up to 99 switches can coexist on the single network.
- Industry-leading customization where each switch pushbutton can control any Smart Breaker™ and/or group in the facility.
- Distributed intelligence achieved through integrated memory storage on each device.
- Onboard rotary switches for ease of device addressing.
- Automatic discovery of all devices by the Pow-R-Command 1000 line of the controllers, eliminating initial software configuration steps.
- Multiple soft-touch pushbutton configurations allow for easy customization of the system. Momentary, gold-plated contacts for each pushbutton.
- Real-time status of breakers and/or groups is shown through status indicators for each pushbutton. LED backlit pushbuttons allow quick display of the current system's status.
- Onboard digital and analog input/output allow connection of photo sensors, occupancy sensors and dimmable ballasts.
- Standard single-gang switch wall box mounting. No special hardware is required. Fits standard Decora-type wall plate.



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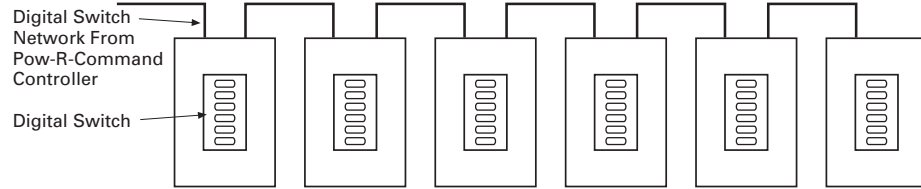
Physical

- Mounts in standard single-gang box spacing.
- Device colors:
 - Black
 - White
 - Almond
- Custom labeling available.

Pushbutton Configuration	Analog Input	Analog Output	Digital Input	12 Vdc Output
2-Button	✓	✓	✓	✓
4-Button	✓	✓	✓	✓
6-Button	✓	✓	×	✓

Device I/O

- Voltage output of 12 Vdc at 20 mA to power auxiliary devices such as a photo sensor or occupancy sensor.
- Analog input for a photo sensor or occupancy sensor.
- Digital input.
- Analog output: Connect up to 40 dimmable ballasts to each digital switch.



Electrical

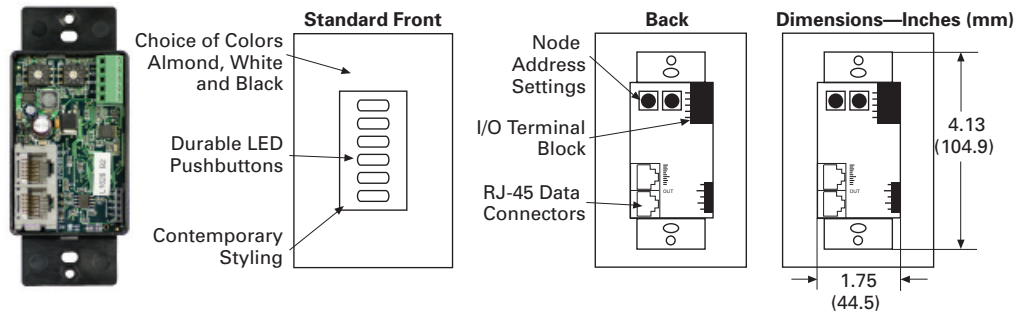
- 24V/100 mA AC power is provided to each switch through the CAT-6 network cable.

Operating Environment

- Designed for indoor environment.
- Operating temperature: -10°C to 40°C (14°F to 104°F).
- Relative humidity: 10% to 90% non-condensing.
- Atmosphere: Non-explosive and non-corrosive.
- Vibration: Stationary application—NEMA® Level A.

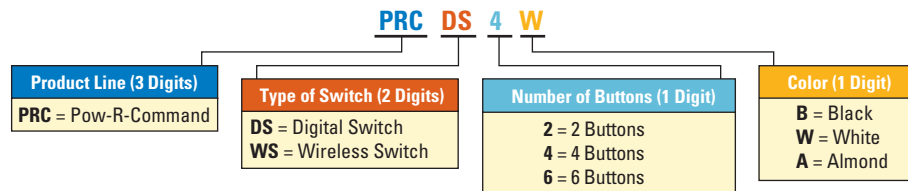
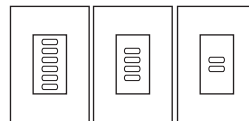
Certifications

- FCC and UL approved.



How to Order

Digital Switch Button Positions



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