Pow-R-Command Digital Switch

Intelligent Digital Switches for local override switching and dimming control

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 Pow-R-Command controllers through a dedicated Digital Switch Network. Each Pow-R-Command controller can have up to 99 PRC Digital Switches connected to the system. This gives distributed control throughout the entire facility at a much lower cost of installation.

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 (DSN). 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 LED drivers and fluorescent ballasts equipped with integral 0–10 Vdc dimming circuitry to achieve fully integrated zone lighting control from one device.

Highlights

- Network capability with existing Pow-R-Command 1000(E), 1500(E) and 2000(E) controllers
- Up to 99 switches per single network
- Onboard rotary switches for ease of addressing
- Soft-touch 2-, 4- and 6-pushbutton options available
- LED backlit buttons provide system status
- Digital inputs for connecting low voltage switch or occupancy sensor
- Analog input for connecting light level sensor
- Analog output for dimming/daylight harvesting control
- Standard single-gang box mounting
- Standard Decora® style wallplate
- Black, white, almond and ivory colors available

Features

- Digital Switch Network communication to compatible Pow-R-Command intelligent panelboards. Completely integrates into the facility's Pow-R-Command automated lighting and load control system
- 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
- Digital Switch Network automatic discovery, eliminating initial software configuration steps
- Multiple soft-touch pushbutton configurations allow for easy customization of the system. Momentary, gold-plated contacts 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 fluorescent ballasts and LED drivers equipped with 0–10 Vdc dimming circuitry
- Standard single-gang switch wall box mounting. No special hardware is required. Fits standard Decora-type wall plate

Physical

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

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 for occupancy sensors, 2- and 4-button only
- Analog output: maximum of 10 mA current sinking for fluorescent ballasts and LED drivers equipped with 0–10 Vdc dimming circuitry

Electrical

- 24 V/100 mA AC power is provided to each switch through the CAT-6 #23 AWG 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% noncondensing
- Atmosphere: non-explosive and non-corrosive
- Vibration: stationary application—NEMA® Level A

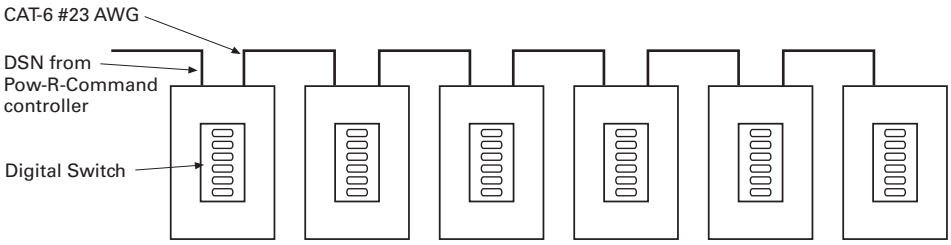
Certifications

- FCC and UL® approved

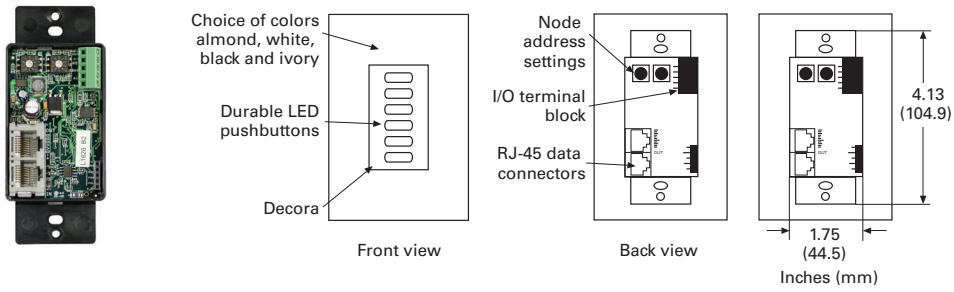
Configuration input/output

Pushbutton configuration	Analog input	Analog output	Digital input	12 Vdc output
2-button	■	■	■	■
4-button	■	■	■	■
6-button	■	■		■

Digital Switch Network (DSN)



Digital Switch features



How to order

PRC DS 4 W

Product line (3 digits)	Type of switch (2 digits)	Number of buttons (1 digit)	Color (1 digit)
PRC = Pow-R-Command	**DS** = Digital Switch	**2** = 2 buttons **4** = 4 buttons **6** = 6 buttons	**A** = Almond **B** = Black **W** = White **V** = Ivory

PRCSWP 2 B

PRC switch wallplate	Number of switches	Color (1 digit)
	1 = Single gang **2** = Four gang **3** = Three gang **4** = Four gang	**A** = Almond **B** = Black **W** = White **V** = Ivory

Note: For PRCE Digital Switch drawing references, visit **Eaton.com/lightingcontrol**.

Learn more at
Eaton.com/lightingcontrol or email us at
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