



## RC SERIES ROOM CONTROL PANELS

### OVERVIEW

The NexLight® RC Series room control panels provide distributed control of lighting and are available in both ON/OFF and 0-10V Dimming versions. These lighting control panels come in a NEMA/Type 1 enclosure and are factory wired in NexLight's UL508A shop. NexLight RC Series panels function in an auxiliary capacity to a main panel and can also be accessed through the Graphic User Interface (GUI) for real-time programming, monitoring and override. A NexLight main panel (R Series, D Series, or Custom Panel) is required for the RC Series panel to operate.

### SPECIFICATIONS

#### Physical

NEMA/Type:	1
Mounting:	Surface Mount
Operating Temperature:	14° to 113°F (-10°C to 45°C)

#### Electrical (Control Wiring)

Input Signal:	24VAC, Class II
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#### Relays

UL/cUL Listed:	10A 277 VAC Resistive
	10A 120 VAC (1200W) Tungsten
	10A 240 VAC (2400W) Tungsten
	10A 277 VAC (2400W) Standard Ballast
	10A 277 VAC Electronic Ballast

#### Dimming Channels

0-10V Sinking Current:	100 mA per dimming channel
Transmission Frequency:	9.6 kHz ± 0.2 kHz
High Trim:	100% down to 50%
Low Trim:	0% up to 50%

### FEATURES

- **Up to (4) Zones of control per RC Series Panel**
- **Utilizes 10A Hybrid Relays**
- **100mA of Sinking Current per 0-10V Dimming Channel**
- **Scheduling, programming, monitoring and override through a Main Panel GUI**

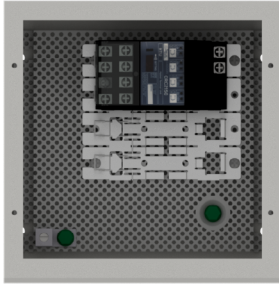
### ADDITIONAL PANELS

\*\*See individual accessory specification sheet for more information

NXL-R Series	NexLight R Series Relay Panels
NXL-D Series	NexLight D Series Dimming Panels
NXL-OPC:	Outdoor Photocell Integration Panel, Remote Mounting (8"H x 8"W x 4"D)
NXL-00P5:	Dimming Expansion, (8) Channels of 0-10 Dimming (100mA Sinking per Channel) (8"H x 8"W x 4"D)
NXL-AVI:	A/V Integration, (8) Dry Contact Inputs (8"H x 8"W x 4"D)
NXL-BMS:	BACnet Protocol Conversion Panel for Building Management System (BMS) Integration (12"H x 12"W x 6"D)
NXL-AMP:	Amplifier Panel for NexLight Data Bus, Supports an additional 485 mA of system devices (12"H x 12"W x 6"D)



## NXL-RC4



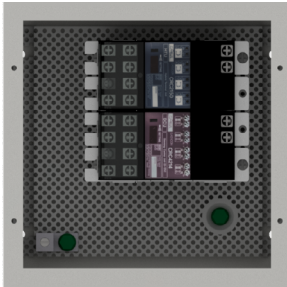
### Included Components

- 1 CRC2150 10 Amp Relay Module (4 Relays)
- 1 PA-80-1 Panel Assembly

### Physical Specifications

NEMA/Type:	1
Mounting:	Surface Mount
Dimensions:	8.00" H x 8.00" W x 4.00" D
Weight:	6 lbs 3.2 oz
Addresses Available:	N/A (Requires Main Panel)
Addresses Used:	4
mA Available:	N/A (Requires Main Panel)
mA Draw:	4 mA
Operating Temperature:	14° to 113°F (-10°C to 45°C)

## NXL-RC4D



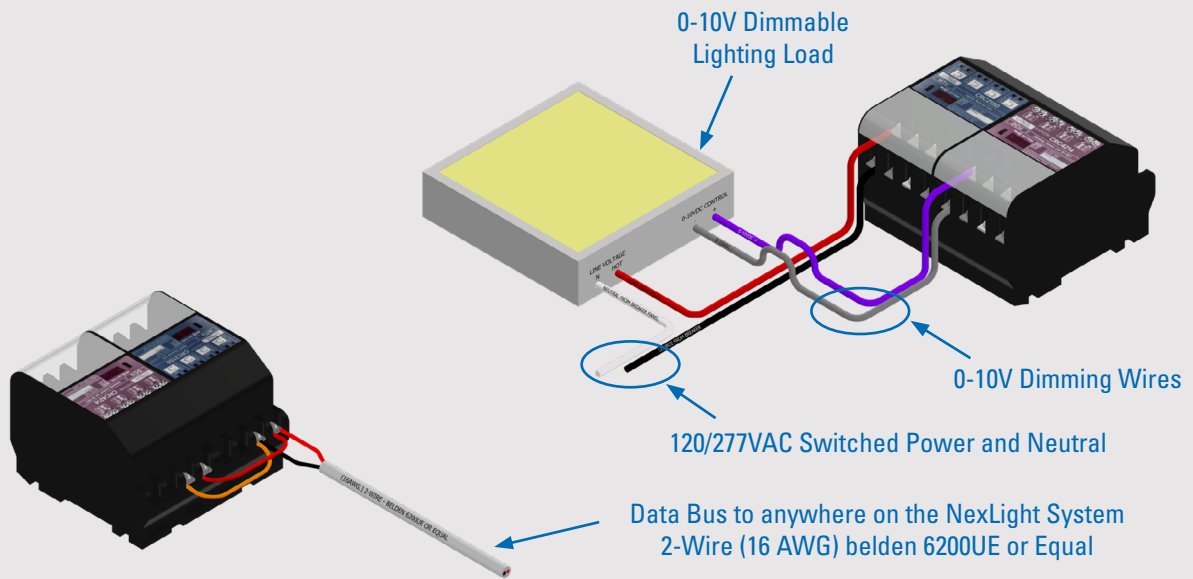
### Included Components

- 1 CRC2150 10 Amp Relay Module (4 Relays)
- 1 CRC4214 Dimming Control Units (4 Channels each)
- 1 PA-80-1 Panel Assembly

### Physical Specifications

NEMA/Type:	1
Mounting:	Surface Mount
Dimensions:	8.00" H x 8.00" W x 4.00" D
Weight:	6 lbs 9.6 oz
Addresses Available:	N/A (Requires Main Panel)
Addresses Used:	8
mA Available:	N/A (Requires Main Panel)
mA Draw:	15 mA
Operating Temperature:	14° to 122°F (-10°C to 55°C)

## WIRING DIAGRAM



\*\*All wiring colors are for illustrative purposes only. Please adhere to local code and ordinance when selecting appropriate wire insulation colors.  
\*\*\*Disregard 0-10V Dimming Wires when using NXL-RC4 Panel.