



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 (suitable for Plenum Mount)
 Mounting: Surface Mount
 Operating Temperature: 14° to 113°F (-10°C to 45°C)

Electrical (Control Wiring)

Input Signal: 24VAC, Class II

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**

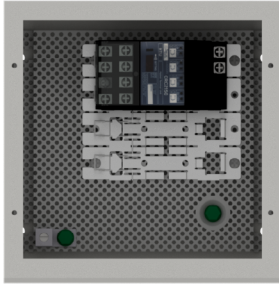
ADDITIONAL PANELS

**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



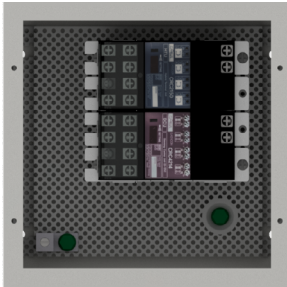
Included Components

- 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



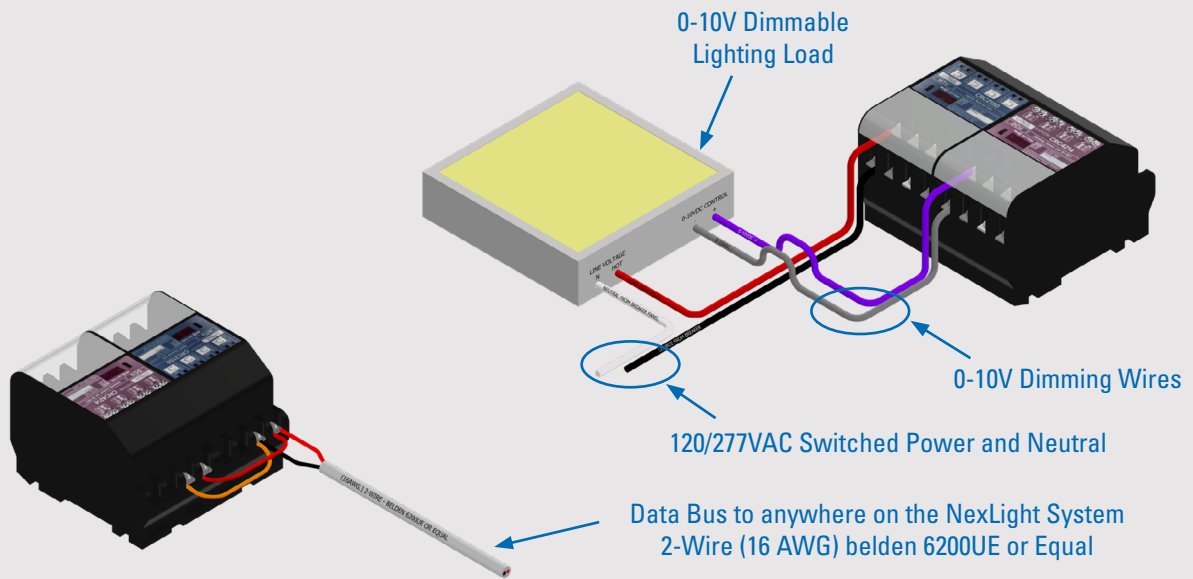
Included Components

- 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.