

## CN220 Switching Controller CN221 Dimming Controller

### Application

The CN220 and CN221 controllers are Decora rocker-style devices for controlling fixtures within Leviton Control Network (LCnet) lighting systems. The CN220 Switching Controller is an on/off switch intended for non-dimming loads. The CN221 provides a familiar dual-rocker dimmer for adjusting brightness as well, and features LED's indicating current light level.

Since the CN220 turns fixtures on and off, it is ideally suited for entranceways and other areas where full-brightness lighting is required whenever lights are on. The CN221 is a strong option wherever a dimming controller is required. Both feature a locator LED and come in white with matching wallplates—with an ivory color change kit.

### Operation

#### CN220

The CN220 provides basic on/off control for non-dimming fixtures. Pressing the upper half of the rocker will turn lights on and pressing the lower half will turn them off. An LED underneath the rocker makes the switch easy to locate in the dark. The CN220 can be used to set its own LCnet address, as well as the address of nearby power packs.

#### CN221

The CN221 offers on/off and dim/bright control, as well as a full bright option. Its large, outside rocker switches lights on and off, while the small, inset rocker is used to adjust the level of brightness. Pressing the upper portion of the large rocker when the lights are already on turns the lights to their brightest setting. LED's indicate selected brightness setting.

The controller can be used to set its own LCnet address, as well as power pack addresses.

#### Programmable Power Pack

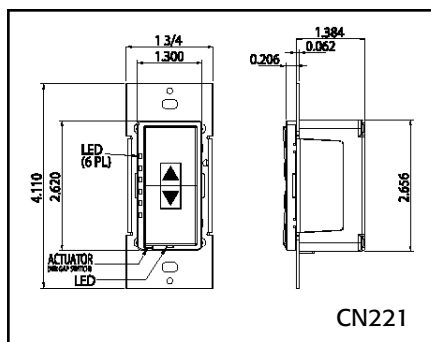
- Settings include:
- Maximum Light Level
- Minimum Light Level
- Light Maintain Level
- Unoccupied State
- Manual Timeout



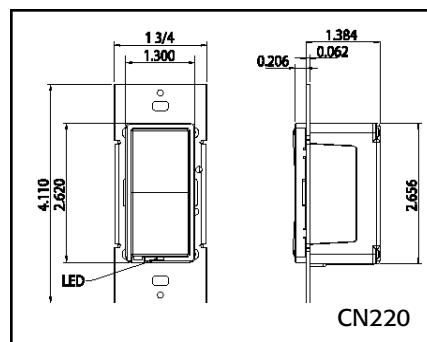
CN220



CN221



CN221



CN220

### SPECIFICATIONSUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
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JOB NUMBER:	<input type="text"/>	<input type="text"/>

# Product Specifications

# CN220 CN221

## Features and Benefits

### GENERAL

- Extremely easy-to-use rocker design.
- Designer Decora styling enhances any décor.
- Locator LED makes switch easy to find, even in dark.

### CN220

- Provides basic, on/off switch option for non-dimming LCnet loads.

### CN221

- Offers On, Off, Dim, Brighten, and Full-Bright (Max) controls.
- Features LED's that display brightness level to facilitate lighting adjustments.
- Extensive power pack programmability: Maximum Light Level, Minimum Light Level, Light Maintain Level, Unoccupied State, and Manual Timeout.

## Specifications

### Electrical

Input Voltage: 24VDC  
 Input Current: 24mA  
 Power Consumption: less than 1W  
 Testing/Code Compliance: UL Listed, CSA Certified, FCC Part 15, and California Title 24

### Physical

Size: 4.13 x 2.38 x 1.59in. (10.5 x 6.1 x 4.0cm)  
 Color: white (with matching wallplate and ivory color change kit for snap-on switch)

### Environmental

Operating Temperature Range: 0°C to +55°C  
 Storage Temperature Range: -10°C to +85°C  
 Relative Humidity: 20% to 90% non-condensing

**Warranty:** Limited 2-Year Warranty

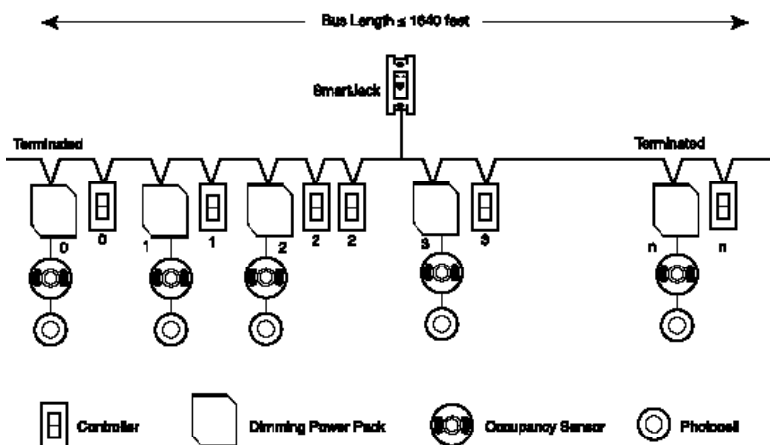
## INSTALLATION

### Low Voltage Class 2 Wiring

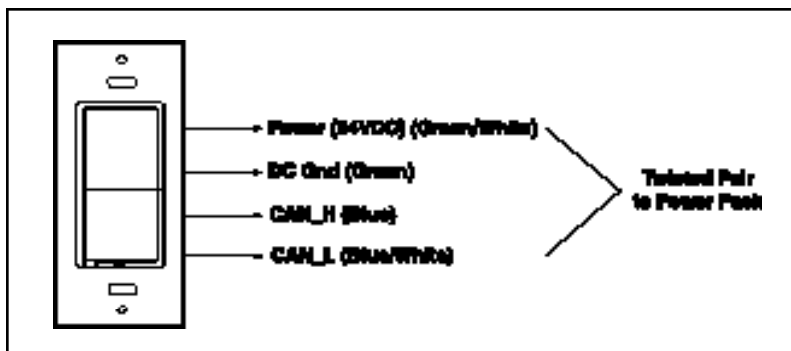
- Daisy chain to power pack bus.
- Make connections in junction box no longer than 29ft drop.
- Use CAT5-type wiring.

### Addressing

Controllers should be set to the same address as at least one Dimming Power Pack. The controller can be used to set both addresses using the address wheel underneath their wallplates.



LCnet Wiring Schematic



### Leviton's Limited Two-Year Warranty

This warranty gives you specific rights, and you may also have other rights, which vary in different states and countries. Leviton warrants to the original consumer purchaser that this product is free of defects in materials and workmanship for 2 years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such 2 years the product is returned prepaid, with proof of purchase date, and a description of the problem to the Leviton Manufacturing Co., Inc., ATTN: Quality Assurance Department, 59-25 Little Neck Pkwy., Little Neck, NY 11362-2591. This warranty does not cover labor for removal or reinstallation of the product and is void on any product installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner. There are no implied warranties of any kind, but if implied warranties are required by the applicable jurisdiction, Leviton limits the duration of any implied warranty of fitness for use or merchantability to 2 years. Leviton is not liable for incidental or consequential damages, including without limitation, loss of equipment use and lost sales or profits for breach of any warranty on this product. Some jurisdictions may not allow exclusion of or limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not even apply to you.

## LEVITON SPECIFICATIONS SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
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