FEATURES

- Enables settings of Controller
- Color conversion available
- Low-Voltage for easy installation
- Fits standard wall box

INTRODUCTION

The Dimming Controller, Cat No. CN221, allows easy to use manual control of a Centura Lighting Control System. The Controller has separate ON, OFF, BRIGHT and DIM buttons to provide

MULTI-LOCATION

The Controller has a user friendly rocker within the rocker design (refer to Figure 1) upper rocker), DIM (small lower rocker) and OFF (large lower rocker). The Brightness Level Display on the left indicates the current light level. The Controller has a removable face so that the

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not to anyone else for the benefit of anyone else that this product is free of defects in materials and workmanship under normal use and for two years from the date of purchase. During the warranty period, Leviton will repair or replace, at its option, without charge, any defective product. This warranty is void if this product is installed, altered, or serviced, other than by an authorized Leviton service representative.

WARNING:

TO AVOID FIRE, SHOCK, OR DEATH; AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!

INSTALLATION INSTRUCTIONS

WARNING: TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.

WARNING: IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICAL

NOTE:

for Technical Assistance Call:
1-800-824-3005 (U.S.A. Only)
www.leviton.com

For more information go to www.leviton.com/centura

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TO OPERATE:

ON:
Press the upper half of the large rocker. The lights will fade ON.

OFF:
Press the lower half of the large rocker. The lights will fade to OFF. (OFF LED lit).

BRIGHTEN:
Press and hold the upper half of the small rocker to the desired light level.

DIM:
Press and hold the upper half of the small rocker to the desired level.

SERVICE SWITCH:
When servicing a controlled fixture, pull lever out (OFF position). This will send a message to the Power Pack to keep the lights OFF. After servicing is complete, push the lever in (ON position) to restore power. The lever must be pushed in all the way (ON position) for normal operation.

BRIGHTNESS LEVEL DISPLAY:
Indicates the level of brightness when the lights are ON. Indicates the previous level of brightness when the lights are OFF (refer to Figure 2).

COMMUNICATION LED:
The communication LED will flash when the Controller transmits a message, and when it receives a valid message. It is located in the space between the frame and the wallplate adapter.

MAX:
The maximum light level is adjustable between 60%-100%.

MIN:
The minimum light level is adjustable between 0%-40%.

Light Maintain:
The Light Maintain level is the amount of light that the Power Pack will maintain in the room. The Power Pack maintains a programmed light level by adjusting the lights automatically to compensate for the ambient light present in the room. If the room is very bright (mid-day), the lights will be set to a dim level. If the room is dim (evening and morning), the lights will be set to a bright level. This desired level of light is programmed by the Controller.

MANUAL-TIME-OUT:
The Power Pack adjusts the lights in order to automatically maintain a programmed light level (as described above). There are times when this light level needs to be manually overridden. However, some local building codes (such as California Title 24) do not allow lights to be permanently raised above the Light Maintain level. The time-out is 30 minutes.

NOTE:
The time-out can be disabled for installations that do not need to conform to these building codes. The Manual Time-out is a selection between enable (Time YES) and disable (Time NO).

Power Pack ADDRESS:
The Controller and the Power Pack must have the same address in order to communicate to each other. The default address is the same, but when installing multiple Power Packs, each must have a different address.

The Controller has an address wheel for addressing (refer to Figure 3). If there is only one Power Pack on the bus, the address wheel does NOT have to be adjusted. For installations where there are multiple Power Packs, the address wheel is used to set the Power Pack’s address (refer to the Dimming Power Pack’s Instruction Sheet for further details).

1. Select the Power Pack’s address, proceed as follows:
   1. Remove wallplate and the frame (may have to remove screwless wallplate adapter also).
   2. Using a small screwdriver, rotate the address wheel to the next unused address.
   3. Pull out Service Switch.
   4. Press the Address Selection button on the Power Pack.
   5. Return Service Switch to the ON position.
   6. Address is now selected.

NOTE:
Only one Power Pack can be programmed at a time.

MULTI-LOCATION:
Up to 4 Controllers can be connected in parallel. All Controllers MUST be on the same address.

COLOR CONVERSION PROCEDURE:
The color of the device can be changed to suit your interior design requirements. Simply obtain a color conversion kit of the appropriate color from your Leviton distributor and proceed as follows (please note that wallplate must be removed).

1. Select the color of the face you desire.
2. The frame has snaps on its sides. Using a small screwdriver, gently remove the frame from the strap (refer to Figure 2).
3. Take the new frame and position it properly in the strap. Notice that the frame has a cut-out for the safety switch lever. Line up the plastic snaps with the square holes in the strap. Insert the snaps on one side of the frame into the strap.
4. Pry open sideways and down to slip the other snaps into place. The frame snaps in with a audible click. Ensure that all four snaps are secure. Replace Decor® wallplate. The color conversion is complete.

TROUBLESHOOTING:

- If NO LED’s are lit, there is no power:
  - Check wiring.
  - If none of the Brightness Level Display LEDs are lit, but OFF LED is lit; there is no communication to the Power Pack.

- If none of the Brightness Level Display LEDs are lit, but OFF LED is lit; there is no communication to the Power Pack.

- If NO LED’s are lit, press the Program Button.

- Communication LED does NOT flash when the button is pressed.

- If this is the case, there is no communication between the Controller and the Power Pack.

- Communication LED does NOT flash when a button is pressed; see above.

- If the communication LED does flash, check the address of the Power Pack and Controller (refer to Dimming Power Pack Instructions).