**FEATURES**

- Leviton's Decora® Style design
- Separate ON, MAX, BRIGHT, DIM and OFF buttons
- No low voltage for easy installation
- Color conversion available
- Fits standard wall box

**INTRODUCTION**

The Dimming Controller w/IR Receiver, Cat No. CN200, allows easy-to-use manual control of a Centura Lighting Control System. The Controller has separate ON, MAX, BRIGHT, DIM and OFF buttons and the ability to communicate through an IR remote control to provide simple control of your Power Pack. The Controller allows manual control of your lights and programming of the Power Pack from a standard wall box in an easy-to-reach location. In using the Controller, you may override the automatic operation of the Power Pack to give the most convenience to your lighting needs.

**DESCRIPTION**

The Controller has a user-friendly five-button face. The five buttons from top to bottom are ON, MAX, BRIGHT, DIM and OFF (refer to Figure 1). Each button will illuminate when pressed. The Controller also has a removable face so that the colors can be changed.

The Controller is a component of the Centura Lighting System. It is used to provide local user control of the lights and allows programming of the Power Pack. The Controller provides the ability to program the Minimum and Light Maintain light levels, and the Power Pack address for multiple Power Pack installations. The programming sequence is described under the "TO OPERATE" section.

**FCC COMPLIANCE STATEMENT**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

**INSTALLATION INSTRUCTIONS**

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

If you are not sure about any part of these instructions, consult a qualified electrician.

**CAUTION:**

- DISCONNECT POWER WHEN SERVICING FIXTURE OR CHANGING LAMPS.
- IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICAL.

**TO INSTALL:**

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

2. REMOVE EXISTING WALLPLATE AND SWITCH OR DIMMER, IF APPLICABLE

3. TIGHTEN THE SCREWS ON THE PLUG CONNECTOR MAKING SURE THAT NO BARE CONDUCTOR SHOWS. CONNECT PLUG CONNECTOR TO JACK ON THE BACK OF THE CONTROLLER.

4. IF USING A MULTI-POWER PACK SETUP, USING A SMALL SCREWDRIVER ADJUST THE ADDRESS WHEELS (LOCATED ON THE BACK OF THE CONTROLLER) TO THE DESIRED ADDRESS. OTHERWISE, THERE IS NO ADJUSTMENT NEEDED TO THE ADDRESS.

5. CAREFULLY POSITION ALL WIRES TO PROVIDE ROOM IN OUTLET BOX FOR CONTROLLER. MOUNT CONTROLLER INTO BOX WITH MOUNTING SCREWS SUPPLIED.

6. REPLACE WALLPLATE AS FOLLOWS:

   - REMOVE "A" TAB WHEN USING STANDARD DECO RA® BARE WALLPLATE. SCREWLESS WALLPLATE.

7. RESTORE POWER AT CIRCUIT BREAKER OR BASE. INSTALLATION IS COMPLETE.

**COLOR CONVERSION PROCEDURE**

The color of this 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 wallplating must be removed):

1. SELECT THE COLOR OF THE FACE YOU DESIRE.

2. THE FRAME HAS SNAP ON THE SIDES. USING A SMALL SCREWDRIVER, GENTLY REMOVE THE FRAME FROM THE STRAP (REFER TO FIGURE 2).

3. THE FRAME HAS SNAP ON THE SIDES. USING A SMALL SCREWDRIVER, GENTLY REMOVE THE FRAME FROM THE STRAP (REFER TO FIGURE 2).


5. TIGHTEN THE FRAME AND FRAME PROPERLY TO THE STRAP. ORIENT THE FRAME SO THAT THE ON BUTTON IS THE TOP BUTTON. LINE UP THE SQUARE HOLES IN THE STRAP. INSERT THE SNAP ON ONE SIDE OF THE FRAME INTO THE STRAP.


9. FIRMLY PRESS SNAPS DOWN TO SNAP THE SNAPS IN PLACE. THE FRAME SNAPS IN WITH AN AUDIBLE CLICK. ENSURE THAT ALL FOUR SNAPS ARE SECURE. REPLACE DECORA® WALLPLATE. THE COLOR CONVERSION IS COMPLETE.

**TO OPERATE**

ON:

OFF:

DIM:

BRIGHT:

FULL BRIGHT:

COMMUNICATION LED: The communication LED will flash when the Controller transmits a message, and it receives a valid message. It is not visible from the face of the device.

For Technical Assistance Call: 1-800-424-3005 (U.S.A. Only)

www.leviton.com

**LIMITED 2 YEAR WARRANTY AND EXCLUSIONS**

Leviton warrants to the original consumer purchaser, and to any subsequent consumer purchaser hereafter, for the benefit of whom it is sold by Leviton, Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton’s only obligation is to correct such defect by repair or replacement, as it may choose, if within such period this product is returned, prepaid, with proof of purchase to the place of purchase or to Leviton’s factory service department, 54-21 Little Neck Parkway, Little Neck, New York 11362-2591. This warranty excludes and there is no implied warranty of merchantability or fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any applicable implied warranty is limited to two years. Leviton is not liable for indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, site or premises or delay or failure to perform the warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, and without limitation, Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation. Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation.

Leviton’s only obligation is to correct such defect by repair or replacement, as it may choose, if within such period this product is returned, prepaid, with proof of purchase to the place of purchase or to Leviton’s factory service department, 54-21 Little Neck Parkway, Little Neck, New York 11362-2591. This warranty excludes and there is no implied warranty of merchantability or fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any applicable implied warranty is limited to two years. Leviton is not liable for indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, site or premises or delay or failure to perform the warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, and without limitation, Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation. Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation.

Leviton’s only obligation is to correct such defect by repair or replacement, as it may choose, if within such period this product is returned, prepaid, with proof of purchase to the place of purchase or to Leviton’s factory service department, 54-21 Little Neck Parkway, Little Neck, New York 11362-2591. This warranty excludes and there is no implied warranty of merchantability or fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any applicable implied warranty is limited to two years. Leviton is not liable for indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, site or premises or delay or failure to perform the warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, and without limitation, Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation. Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation.

Leviton’s only obligation is to correct such defect by repair or replacement, as it may choose, if within such period this product is returned, prepaid, with proof of purchase to the place of purchase or to Leviton’s factory service department, 54-21 Little Neck Parkway, Little Neck, New York 11362-2591. This warranty excludes and there is no implied warranty of merchantability or fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any applicable implied warranty is limited to two years. Leviton is not liable for indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, site or premises or delay or failure to perform the warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, and without limitation, Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation. Leviton is not liable for any damages arising from loss of data or any failure to perform the warranty obligation.
**LOCATION:**

- Only the ON button will remain illuminated whenever the load is on.

**Wiring Diagram 1 - Single Station Application**

- The MAX and ON buttons will both remain illuminated whenever the load is ON maximum output.
- The BRIGHT and DIM buttons will turn ON when they are pressed and held, and then turn off when released.
- The OFF button will remain illuminated whenever the load is OFF.

**LIGHT LEVELS:**

- **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 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 dark (evening and morning), the lights will be set to a BRIGHT level. This desired level of light is programmed by the Controller.

**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 with individual Controller, each Power Pack must have a different address.
- The Controller has 2 rotary switches, located on the back of the device for addressing. When setting address 0 through 15 (16), use rotary switch located on lower left hand side of device (refer to Wiring Diagram 1). If there is only one Power Pack on the bus then the switch DOES NOT have to be adjusted. For installations where there are multiple Power Packs, the rotary switch is used to set the Power Pack’s address (refer to the Power Pack Instruction Sheet for further details).

**NOTE:**

- Rotary switch on lower right hand side of device will be used for additional address configurations, when applicable.
- The Controller can be on a separate Power Pack’s address.
- The Power Pack’s address can be changed when replacing the Controller. However, the entire Power Pack must be replaced.

To set the Power Pack’s address, proceed as follows:

1. Place the Controller into Program Mode by pressing and holding the MAX button for 7 sec.
2. Press the Address Selection button on the Power Pack.
3. Press the Address button on Wiring Diagram 1, or press the MAX button to exit Program Mode.
4. The Address is now selected.

**NOTE:**

- Only one Power Pack can be programmed at a time.
- Address wheels should be set to desired address before installing the Controller.

**MULTIPLE LOCATION:**

- All Controllers MUST be on the same address.

**PROGRAMMING:**

1. Press and hold the MAX button for 7 seconds. All the buttons will blink to indicate that the Controller is in Program Mode.
2. To program the Light Maintain Level, press the ON button while in program mode. The ON button will now be the only button blinking to indicate that you are setting the Light Maintain Level. Press the BRIGHT and DIM buttons to adjust lights to desired level maintained by the photocell. Press the MAX button to exit Program Mode.
3. To program the Minimum Light Level, press the OFF button while in program mode. The OFF button will now be the only button blinking to indicate that you are setting the Minimum Light Level. Press the BRIGHT and DIM buttons to adjust lights to desired level maintained by the photocell. Press the MAX button to exit Program Mode.
4. To return to any previous programming step, press the button associated with the level you desire to set.

**Handheld Infrared Remote Control PROGRAMMING:**

- **MAX:** Press the PRESET button on the Remote controller. The MAX button on the Dimming Controller will start to flash. Using the DIM and BRIGHT buttons on the Remote Control adjust the lights to desired level. Press the MAX button on the Remote Control to exit Program Mode.
- **MIN:** Press the MIN button on the Remote controller. The OFF button on the Dimming Controller will start to flash. Using the DIM and BRIGHT buttons on the Remote Control adjust the lights to desired level. Press the MIN button on the Remote Control to exit Program Mode.
- **LIGHT MAINTAIN:** Press the PRESET button on the Remote controller. The ON button on the Dimming Controller will start to flash. Using the DIM and BRIGHT buttons on the Remote Control adjust the lights to desired level. Press the PRESET button on the Remote Control to exit Program Mode.
- **PRESSETS 1, 2, 3, 4:** Press the PRESET button on the Remote controller. The BRIGHT button on the Dimming Controller will start to flash. Press the same numbered preset button on the Remote Control again. The BRIGHT button on the Dimming Controller will stop flashing. Now that number’s preset light level has been set.

**NOTE:**

- Any level can be programmed or reprogrammed at any time.

**TROUBLESHOOTING:**

- If NO LED’s are lit, there is no power:
  - Check wiring.
  - Communication LED does NOT light when the button is pressed.
- Communication wiring connections.
- For Multiple Power Packs on the Bus:
- The Controller has power (at least the OFF LED is ON) but pressing the buttons have no effect on the lights; there is no communication between the Controller and the Power Pack:
  - If the 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).

**NOTE:** Both Controllers must have the same address for multiple location control of 1 Power Pack.