



DECORA®
COLLECTION BY LEVITON

Scene Controller w/IR Receiver (Multi-Location)

Cat. No. NE505

24VDC
24mA, 0.6W

For use w/compatible Leviton LCnet products

For more information go to
www.leviton.com/D3200

INSTALLATION INSTRUCTIONS



DI-000-NE505-00B

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



DI-000-NE505-00B

FEATURES

- Leviton's Decora® Style design
- Each NE505 can recall 4 consecutive (1-4, 5-8,...29-32) scenes for up to 256 configurations, with additional equipment
- Low-Voltage for easy installation
- Gangable with 7 additional units for selection of up to 32 scenes
- IR Receiver is compatible with a standard remote control
- Color conversion available
- Fits standard wall box

INTRODUCTION

The Scene Controller w/IR Receiver, Cat No. NE505, allows-easy-to use manual control of a Scene Capable LCnet Lighting Control System. The Controller is a Decora-style device that sends commands for 4 distinct scenes, or an OFF command, to LCnet compatible scene dimmers. The device provides a unique, entry pad interface with an infrared receiver for use with any standard remote control, including a compatible Leviton Remote. The NE505 is ideal for secondary entrance ways within a D3200 System.

DESCRIPTION

The Controller has a user-friendly five-button face. The NE505 incorporates a program mode that configures the Scene Controller to 4 selectable and consecutive scene numbers (i.e., Scene 1 through 4 or Scene 5 through 8). The NE505 has the capability to call up to 32 scenes when used with a D3206/8 device and can call as many as that unit can hold. Once programmed, pressing a scene button adjusts the lights to that scene with the active configuration. The Controller also features an OFF button and an IR Receiver which allows commands to be executed using a Leviton IR Remote, Cat. No. NE210, or any standard IR Remote Control.

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.

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

CAUTION: DISCONNECT POWER WHEN SERVICING FIXTURE OR CHANGING LAMPS.

CAUTION: THE SCENE CONTROLLER WITH IR OPERATES OFF OF LOW-VOLTAGE (24VDC), SO CARE MUST BE TAKEN WHEN REPLACING A LIGHT SWITCH. CONSULT LOCAL BUILDING CODES AND REGULATIONS FOR PROPER LOW-VOLTAGE INSTALLATION.

TO INSTALL:

1. **WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; **TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
 2. Connect per appropriate WIRING DIAGRAM as follows: Insert each lead into appropriate Plug connector location by pushing firmly (**refer to Wiring Diagrams 1 and 2**). If using stranded wire, twist strands of each lead tightly (making sure that there are no stray strands) and push firmly into appropriate Plug connector location.
- NOTES:**
- LCnet must be wired using a twisted pair for the CAN_H and CAN_L wires. Leviton recommends using CAT5 wire.
 - If the device is the first or last one on the bus, the LCnet must be terminated. Use the terminating plug (included) making sure to connect shorting wire to CAN_H or you may also short the center terminal in the connector on the device to the CAN_H terminal (**refer Wiring Diagrams 1 and 2**).
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. Carefully position all wires to provide room in outlet box for Controller. Mount Controller into box with mounting screws supplied.
 5. Replace wallplate as follows:
 - Remove "A" tab when using standard Decora® wallplate (**refer to Figure 1**).
 - Leave "A" tabs intact when using Decora® Screwless wallplate.
 6. Restore power at circuit breaker or fuse. **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 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**).

Figure 1 - Scene Controller Functions

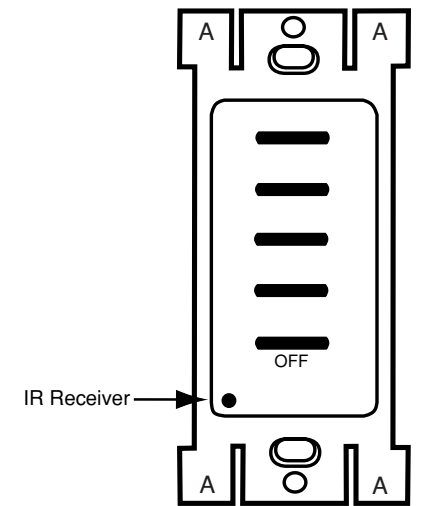
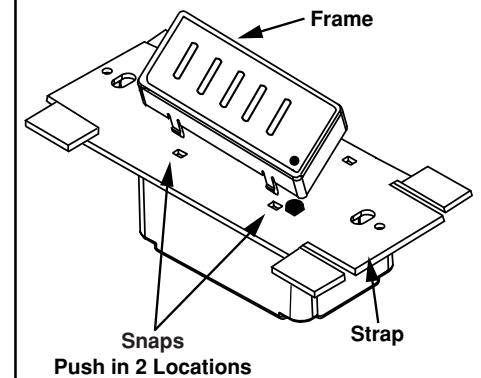


Figure 2 - Color Conversion



- Take the new frame and position it properly to the strap. Orient the frame so that the OFF button is the bottom button. Line up the plastic snaps with the square holes in the strap. Insert the snaps on one side of the frame into the strap.
- Firmly press sideways and down to slip the other snaps into 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

Scenes 1-4, 5-8,...Scene 29-32 (refer to Step 3 of Scene Programming section):

SCENE BUTTON: Press the Scene button. The lights will fade ON to the preset light level.

OFF: Press the OFF button. The lights will fade OFF.

NOTE: Each button will illuminate when pressed except when the Controller is in the Program Mode.

SCENE PROGRAMMING

- Press and hold button 1 and 3 on the Controller for approximately 5-7 seconds. All the LED's will blink to indicate that the Controller is in Program Mode.

NOTE: Pressing any button while the LED's are flashing in the Program Mode, will exit the mode without any programming stored.

- Call Scene from Cat. No. D3206/8 (refer to D3206/8 User Guide) or other source.

- Once the Scene is called, the LED's will stop flashing and the device will exit Program Mode. The buttons are now programmed based on the Scene called as follows:

If Scenes 1-4 are called on a LCnet Scene Capable Dimmer, button 1 on the Controller is programmed for Scene 1; button 2 is Scene 2; button 3 is Scene 3; button 4 is Scene 4.

If Scenes 5-8 are called on a LCnet Scene Capable Dimmer, button 1 on the Controller is programmed for Scene 5; button 2 is Scene 6; button 3 is Scene 7; button 4 is Scene 8 and so on.

- The OFF button will always be programmed as OFF.

NOTE: If there is partitioning in the application, repeat the above procedure for each configuration used.

IR PROGRAMMING

The NE505 has a Learning IR capability that allows users to select any button (command from IR Remote) to correspond with desired scene programmed and OFF.

- Press and hold the desired Scene or OFF button on the Controller for approximately 5-7 seconds until it's LED begins flashing. The Controller is now in the Infrared Remote Control Program Mode.

- Press the desired button on the IR remote to correspond with the desired Controller button.

NOTE: If Remote generates only one control signal when the button is pressed and the Controller LED continues to flash, you must press the button on the IR Remote again until the flashing stops.

- The Controller Scene button is now programmed to respond to the IR command.

- Repeat the above procedure for each button used, including OFF.

NOTE: If in different configurations the button on the IR Remote calls a different Scene number, you must repeat the programming procedure.

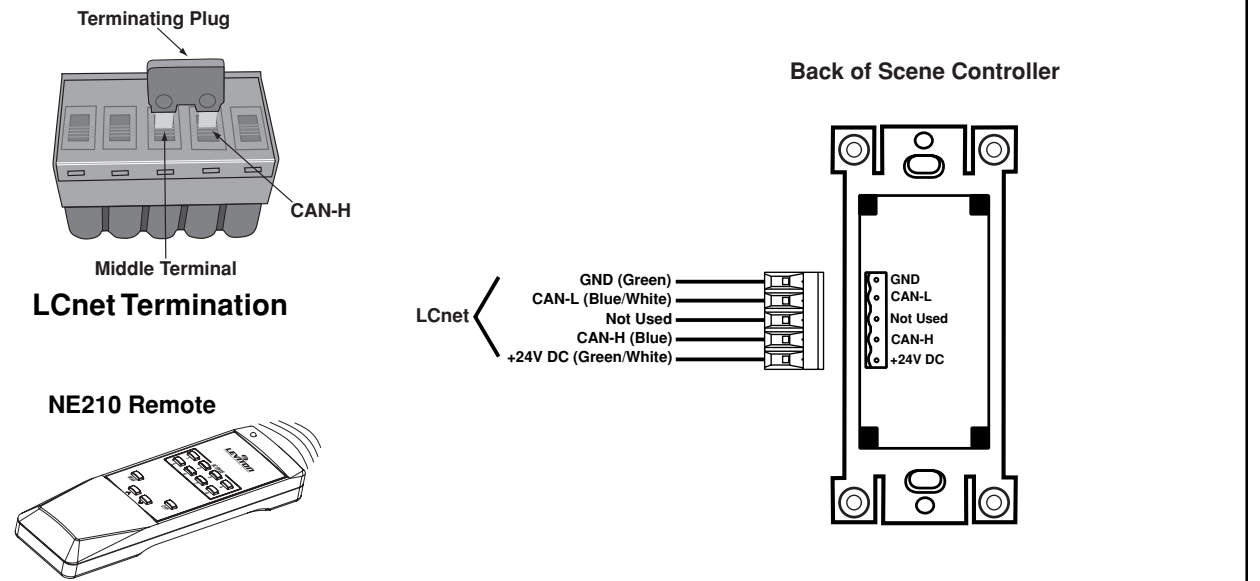
TROUBLESHOOTING

- If NO LED's are lit; there is no power
 - Check wiring.
- Communication LED does NOT light when the button is pressed
 - Check power wiring connections.

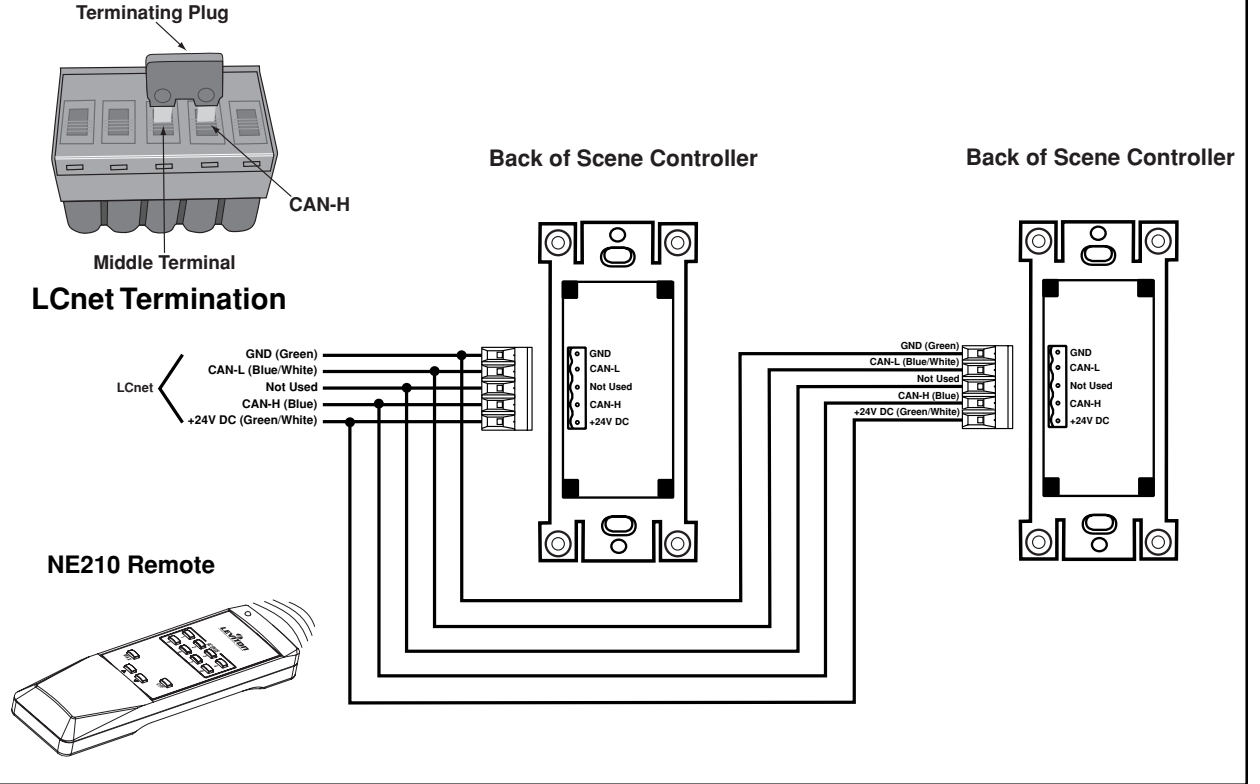
For Multiple Power Packs on the Bus:

- 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).

Wiring Diagram 1 - Single Station Application



Wiring Diagram 2 - Two Location Application



LEVITON INSTRUCTION SHEET/MANUAL SPECIFICATIONS

- Artwork No/Rev Level: DI-000-NE505-00B
- Color(s): Black over
 1. _____
 2. _____
 3. _____
 4. _____
- Font Families: Helvetica
- Material
 - Type: 50 Lb. offset
- Coating: _____
- Paper size:
 - Overall size: 14" X 8.5"
 - Final fold size: 2.8" X 4.25"

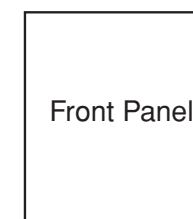
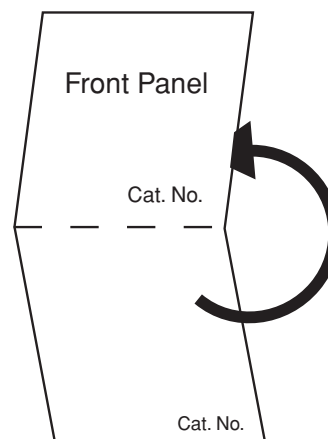
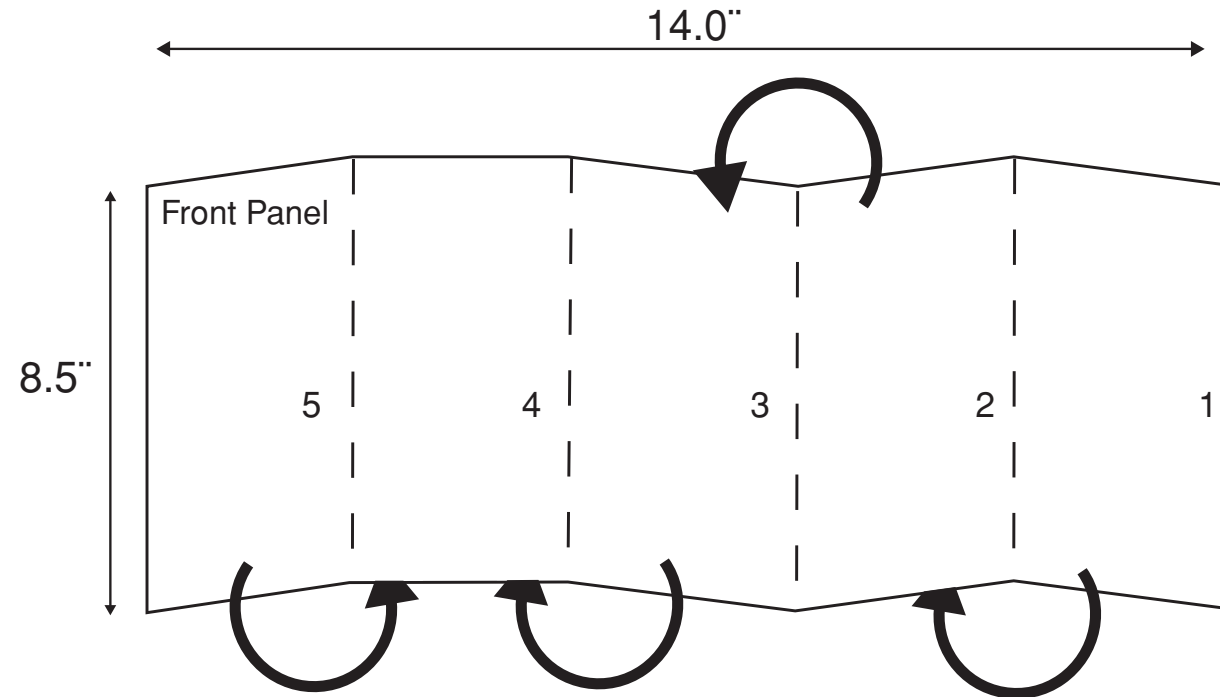
DOCUMENTATION

- ECO No.: N/A
- Artist: kkc Date: 06/01/05

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FOLD SCHEME



--- --- --- --- Fold Line
#s = Fold Sequence