

3-Way or More Applications (Multi-location)

Remote Device

Cat. No. RE00R, Coordinating Dimmer Remote
120VAC, 60Hz

INSTALLATION INSTRUCTIONS

WARNINGS AND CAUTIONS:

- **DISCONNECT POWER AT CIRCUIT BREAKER OR FUSE WHEN SERVICING, INSTALLING OR REMOVING FIXTURE.**
- To be installed and/or used in accordance with electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.
- To avoid overheating and possible damage to this device and other equipment, **do not install to control a receptacle, fluorescent lighting, a motor- or a transformer-operated appliance.**

WARNINGS AND CAUTIONS:

- Remotes are **not compatible with standard 3-way or 4-way switches.** They must be used with compatible Renu™ devices for multi-location switching.
- Use only one (1) Renu™ dimmer in a multi-location circuit with up to 9 coordinating remotes (without LEDs). The remote(s) will turn the light on at the brightness level selected at the dimmer.
- Recommended minimum wall box depth is 2-1/2".
- Maximum wire length from dimmer to all installed remotes cannot exceed 300 ft (90 m).
- Use this device **WITH COPPER OR COPPER CLAD WIRE ONLY.**

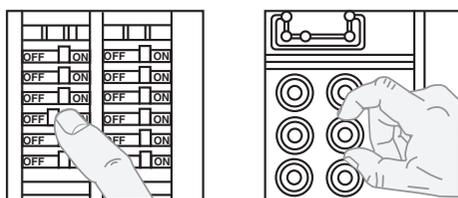
Tools needed to install your Remote:

Slotted/Phillips Screwdriver Electrical Tape
Pliers Pencil
Cutters Ruler

INSTALLING YOUR REMOTE

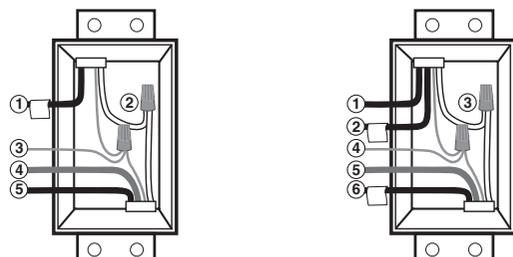
NOTE: Use check boxes when Steps are completed.

Step 1 **WARNING: TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!



Step 2 **Identifying your wiring application (most common):**

NOTE: If the wiring in the wall box does not resemble any of these configurations, consult an electrician.



3-Way

1. Line or Load (**See important instruction below**)
2. Neutral
3. Ground
4. First Traveler – note color
5. Second Traveler – note color

4-Way

1. First Traveler – note color
2. Second Traveler – tagged
3. Neutral
4. Ground
5. Third Traveler – note color
6. Fourth Traveler – tagged

Step 2 cont'd

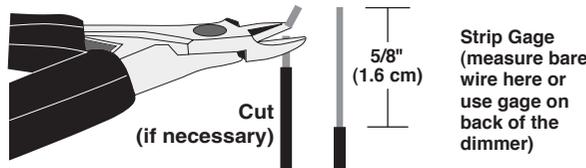
IMPORTANT:

For 3-Way applications, note that one of the screw terminals from the old switch being removed will usually be a different color (Black) or labeled Common. Tag that wire with electrical tape and identify as the common (Line or Load) in both the dimmer wall box and remote wall box.

For 4-Way applications, note that the old switch being removed will have 4 screws plus a ground screw. Tag the two same color insulated wires with electrical tape.

Step 3 Preparing and connecting wires:

This remote can be wired using side wire terminal screws or through backwire openings. Choose appropriate wire stripping specifications accordingly.



Strip Gage
(measure bare wire here or use gage on back of the dimmer)

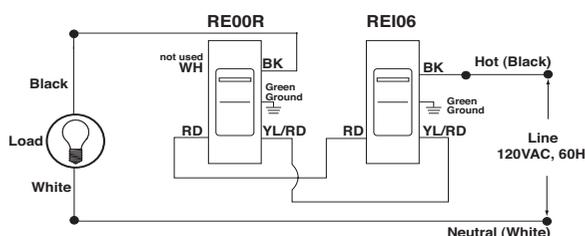
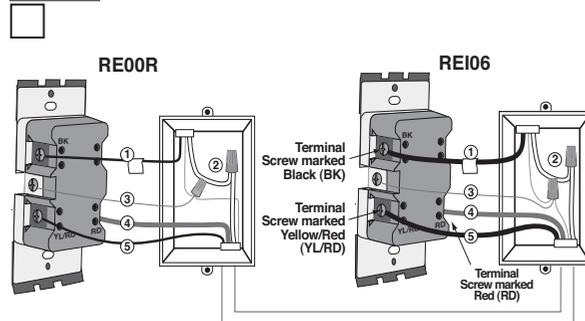


Side Wire Connection
Side wire terminals accept #14-12 AWG solid copper wire only.

Back Wire
(either hole may be used)
Back wire openings use #14-12 AWG solid copper wire only.

- Make sure that the ends of the wires from the wall box are **straight (cut if necessary).**
- Remove insulation from each wire in the wall box as shown.

Step 4a 3-Way Wiring Application:



WIRING DIMMER:

Connect wires per WIRING DIAGRAM as follows:

NOTE: The dimmer can be installed on either the Line or Load side of the 3-way circuit.

NOTE: Maximum wire length from dimmer to all installed remotes cannot exceed 300 ft (90 m).

- Green or bare copper wire in wall box to Green terminal screw or Green dimmer lead.
- Common wall box wire identified (tagged) when removing old switch to dimmer terminal screw marked "BK" or Black dimmer lead.
- First Traveler wall box wire to terminal screw marked "RD" or Red dimmer lead (**note wire color**). This traveler from the dimmer must go to the terminal screw on the remote marked "RD".
- Remove Red insulating label from terminal screw marked "YL/RD" or Yellow/Red dimmer lead.
- Second Traveler wall box wire to terminal screw marked "YL/RD" or Yellow/Red dimmer lead (**note wire color**). This traveler from the dimmer must go to the terminal screw on the remote marked "YL/RD".

Step 4a cont'd

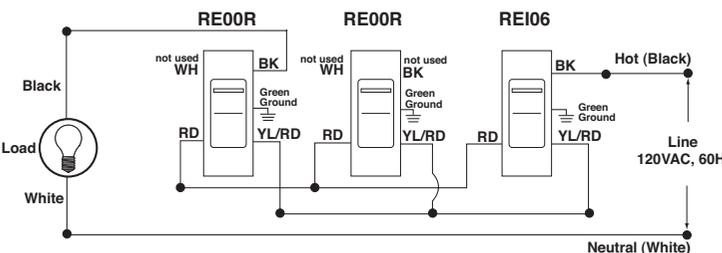
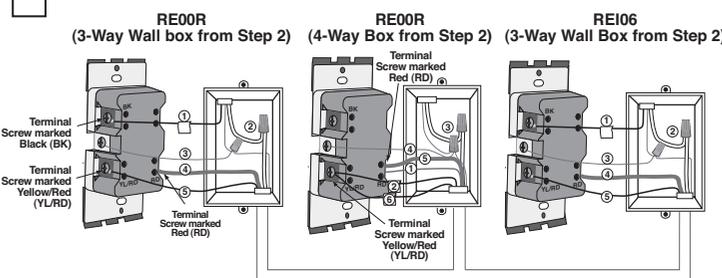
WIRING COORDINATING REMOTE:

Connect wires per WIRING DIAGRAM as follows:

NOTE: Maximum wire length from dimmer to last remote is 300 ft (90 m).

- Green or bare copper wire in wall box to Green terminal screw.
- Common wire identified (tagged) when removing old switch to terminal screw marked "BK".
- First Traveler wall box wire (**note color as above**) to terminal screw marked "RD". This traveler from the remote must go to the terminal screw on the dimmer marked "RD" or Red dimmer lead.
- Second Traveler wall box wire (**note color as above**) to terminal screw marked "YL/RD". This traveler from the remote must go to the terminal screw on the dimmer marked "YL/RD" or Yellow/Red dimmer lead.
- Remote terminal screw marked "WH" should have White insulation label affixed.
- **NOTE:** If insulating label is not affixed to terminal screw marked "WH", use electrical tape to cover.
- **Proceed to Step 5.**

Step 4b 4-Way Wiring:



Step 4b cont'd

WIRING COORDINATING REMOTE (4-Way box):

Connect wires per WIRING DIAGRAM as follows:

NOTE: Maximum wire length from dimmer to last remote is 300 ft (90 m).

- Green or bare copper wire in wall box to Green terminal screw.
- First Traveler and Third Traveler wall box wire (**note wire colors**) to terminal screw marked "RD". These travelers from the remote in the 4-way box must go to the terminal screw on the dimmer marked "RD" or Red dimmer lead, and to the terminal screw marked "RD" of the remaining remote in the 3-way box.
- Second Traveler (tagged) and Fourth Traveler (tagged) wall box wire (**note wire colors**) to terminal screw marked "YL/RD". These travelers from the remote in the 4-way box must go to the terminal screw on the dimmer marked "YL/RD" or the Yellow/Red dimmer lead, and to the terminal screw marked "YL/RD" of the remaining remote in the 3-way box.
- Remote terminal screw marked "WH" should have White insulation label affixed.
- **NOTE:** If insulating label is not affixed to terminal screw marked "WH", use electrical tape to cover. Remote terminal screw marked "BK" is not used. Use electrical tape to cover.

WIRING DIMMER (3-Way box):

Connect wires per WIRING DIAGRAM as follows:

NOTE: The dimmer can be installed on either the Line or Load side of the 3-way circuit.

NOTE: Maximum wire length from dimmer to all installed remotes cannot exceed 300 ft (90 m).

- Green or bare copper wire in wall box to Green terminal screw or Green dimmer lead.
- Common wire identified (tagged) when removing old switch to dimmer terminal screw marked "BK" or Black dimmer lead.
- First Traveler wall box wire to dimmer terminal screw marked "RD" or Red dimmer lead (**note wire color as above**). This traveler from the dimmer must go to the terminal screw on the remote marked "RD".
- Remove Red insulating label from terminal screw marked "YL/RD" or Yellow/Red dimmer lead.
- Second Traveler wall box wire to dimmer terminal screw marked "YL/RD" or Yellow/Red dimmer lead (**note wire color as above**). This traveler from the dimmer must go to the terminal screw on the remote marked "YL/RD".

Step 4b cont'd

WIRING COORDINATING REMOTE (3-Way box):

Connect wires per WIRING DIAGRAM as follows:

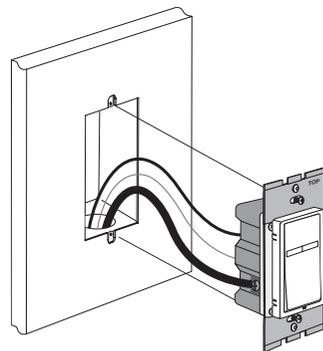
NOTE: Maximum wire length from dimmer to last remote is 300 ft (90 m).

- Green or bare copper wire in wall box to Green terminal screw.
- Common wire identified (tagged) when removing old switch to terminal screw marked "BK".
- First Traveler wall box wire (**note color as above**) to terminal screw marked "RD". This traveler from the remote must go to the terminal screw on the dimmer marked "RD" or the Red dimmer lead.
- Second Traveler wall box wire (**note color as above**) to terminal screw marked "YL/RD". This traveler from the remote must go to the terminal screw on the dimmer marked "YL/RD" or the Yellow/Red dimmer lead.
- Remote terminal screw marked "WH" should have White insulation label affixed.

NOTE: If insulating label is not affixed to terminal screw marked "WH", use electrical tape to cover.

- Proceed to Step 5.

Step 5 Testing your Remote prior to completely mounting in wall box:



- Position all wires to provide room in outlet wall box for device.
- Ensure that the word "TOP" is facing up on the device strap.
- Partially screw in mounting screws in wall box mounting hole.

NOTE: Dress wires with a bend as shown in diagram in order to relieve stress when mounting device.

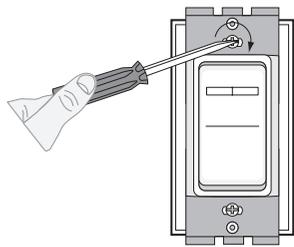
- Restore power at circuit breaker or fuse.
- See applicable operation section to ensure dimmer or switch is functioning properly.
- **If lights do not turn ON, refer to the TROUBLESHOOTING section.**
- If testing a 3-way installation, also press pad on remote to ensure lights turn ON and OFF.

Step 6 Dimmer Remote Mounting:

TURN OFF POWER AT CIRCUIT BREAKER OR FUSE.



Installation may now be completed by tightening mounting screws into wall box. Attach wallplate.



Step 7 Restore Power:

Restore power at circuit breaker or fuse. Installation is complete.

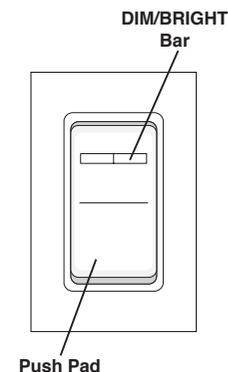


OPERATION

CLEANING: Clean with a damp cloth. **DO NOT** use chemical cleaners.

RE00R Dimmer Remote Operation:

NOTE: The lights will turn ON at brightness set on dimmer's DIM/BRIGHT bar. The lighting can be switched from either the dimmer or the remote location.



Push Pad (Default settings)

Turn ON from OFF position:

Tap – Lights turn ON to preset level.

Press and Hold – Lights turn ON to full bright.

Turn OFF from ON position:

Tap – Lights turn OFF.

DIM/BRIGHT Bar

BRIGHTEN:

Press right half of DIM/BRIGHT Bar – Lights brighten to desired level.

DIM:

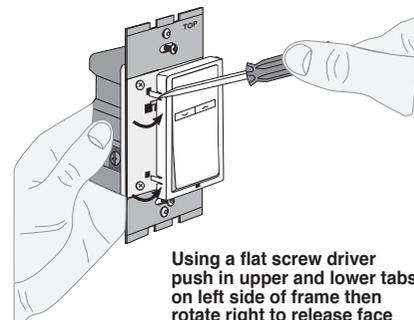
Press left half of DIM/BRIGHT Bar – Lights dim to desired level.

If you continue to hold, the lights will DIM to minimum level and then turn OFF.

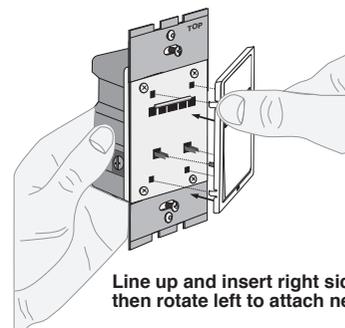
In the event of power outage or interruption the lights will reset to the last level when power is restored.

Changing the color of your device:

Your device may include color options. To change color of the face proceed as follows:



Using a flat screw driver push in upper and lower tabs on left side of frame then rotate right to release face



Line up and insert right side tabs, then rotate left to attach new face

TROUBLESHOOTING

- **Lights Flickering**
 - Lamp has a bad connection.
 - Wires not secured firmly under terminal screws of dimmer and/or remote.
- **Light does not turn ON and Locator LED does not turn ON**
 - Circuit breaker or fuse has tripped.
 - Lamp is burned out.
 - Lamp Neutral connection is not wired.
- **Intermittent dimmer operation**
 - Minimum load is under 40W.
- **Remote does not operate lights**
 - Ensure that total wire length does not exceed 300 ft (90 m).

For additional information, contact Leviton's Techline at 1-800-824-3005 or visit Leviton's website at www.leviton.com

FCC COMPLIANCE STATEMENT

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

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving Antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/tv technician for help.

FCC CAUTION

Any changes or modifications not expressly approved by Leviton Manufacturing Co., Inc., could void the user's authority to operate the equipment.

LIMITED 5 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such five year period the product is returned prepaid, with proof of purchase date, and a description of the problem to **Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747**. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose**, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. **Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.