**INTRODUCTION**

The next generation of lighting control technology is here with the new Decora Dimmer with Bluetooth® technology. This innovative device requires no wiring changes to interface with wireless technology, giving users the ability to control lighting in homes and businesses from anywhere with an Internet connection. The new Decora Dimmer with Bluetooth® technology allows users to remotely operate and control multiple Decora Dimmer devices wirelessly from a smartphone or tablet. The app is easy to use, with simple, intuitive controls, and makes pushing buttons for timed events a tedious chore of the past.

**FEATURES**

- Soft fade ON/OFF
- ON/OFF LED and Brightness level LED
- Three way communication
- Easy of installation - No new wiring

**TOOLS NEEDED TO INSTALL YOUR DIMMER**

- Soft Scale Pencil
- Phillips Screwdriver
- Electrical Tape
- Cutters
- Ruler

**INSTALLING DIMMER BY ITSELF WITH OTHER DEVICES**

**NOTE:** No dimming is required in multi-device applications.

**MAXIMUM BULB WATTAGE**

| Volts | Rating | Single | Two Devices | More than 2 Devices
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>950VA</td>
<td>760VA</td>
<td>760VA</td>
<td>1080VA</td>
</tr>
<tr>
<td>277V</td>
<td>1350VA</td>
<td>1080VA</td>
<td>1080VA</td>
<td>1350VA</td>
</tr>
</tbody>
</table>

**MAXIMUM BULB WATTAGE AT 80% EFFICIENCY**

<table>
<thead>
<tr>
<th>Volts</th>
<th>Single</th>
<th>Two Devices</th>
<th>More than 2 Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>760VA</td>
<td>760VA</td>
<td>1080VA</td>
</tr>
<tr>
<td>277V</td>
<td>1080VA</td>
<td>1080VA</td>
<td>1350VA</td>
</tr>
</tbody>
</table>

**INSTALLING YOUR DIMMER**

**NOTE:** Use check boxes when Steps are completed.

**WARNING:** To avoid fire shock or death, turn OFF power at circuit breaker or fuse and test that power is off before wiring!

1. **Step 1:** Open your Decora Dimmer.
2. **Step 2:** Pull off pre-cut insulation from dimmer leads. Make sure that dimmer lead should have a label affixed.
3. **Step 3:** Pull off pre-cut insulation from dimmer leads. Make sure that ends of the wires from the wall box are straight (cut if necessary). Remove insulation from each wire in the wall box as shown.
4. **Step 4a:** For Single-Pole Application, go to Step 4b.
5. **Step 4b:** Connect the Black dimmer lead to (+) Red connection on ballast.
6. **Step 5:** Connect the Red dimmer lead to (+) Violet connection on ballast.
7. **Step 6:** Connect the Violet dimmer lead to (-) Black connection on ballast.
8. **Step 7:** Connect the Black dimmer lead to (-) Red connection on ballast.
9. **Step 8:** Connect the Red dimmer lead to (-) Violet connection on ballast.
10. **Step 9:** Connect the Violet dimmer lead to (-) Black connection on ballast.

**WIRING MATCHING REMOTE (wall box with line hot connection):**

**NOTE:** The matching remote must be installed in a wall box with a Line hot connection and a Neutral connection. A Neutral wire to the matching remote needs to be added as shown.

**NOTE:** Maximum wire length from dimmer to all installed remotes cannot exceed 30 ft. (90 m).

- Green or bare copper wire in wall box to Green terminal screw.
- White (neutral) wire in wall box to Neutral terminal screw.
- Black wire (line hot) in wall box to Hot (Black) connection on ballast.
- Grey dimmer lead to (-) Grey connection on ballast.

**WARNING:** To avoid fire shock or death, turn OFF power at circuit breaker or fuse and test that power is off before wiring!

**NOTE:** The Decora® DD710 dimmer is not compatible with standard 3-way or 4-way switches. It must be used with a Decora® Digital remote for multi-location control, such as theDD00R-DL.

**WIRING MATCHING REMOTE (wire in wall box with load connection):**

**NOTE:** The matching remote must be installed in a wall box with a Load connection and a Neutral connection. A Neutral wire to the matching remote needs to be added as shown.

- Green or bare copper wire in wall box to Green terminal screw.
- Black wire (line hot) in wall box to Hot (Black) connection on ballast.
- Grey dimmer lead to (-) Grey connection on ballast.
- Load wall box wire to Red dimmer lead. 
- Load wall box wire to RED dimmer lead.
- Remaining Red Dimmer connection should have a label affixed.

**NOTE:** The Decora® DD710 dimmer may include color options. To change color of the face proceed as follows:

- Push in sides at bottom tabs and pull outward to release.
- Insert top tabs and press in bottom tab to attach.

**Changing the color of your Dimmer:**

- Use the Decora® DD710 dimmer to control a receptacle, a motor- or a transformer-operated appliance.

**WARNING:** To avoid fire shock or death, turn OFF power at circuit breaker or fuse and test that power is off before wiring!

6. **Step 6:** Connect the Red dimmer lead to (-) Violet connection on ballast.
7. **Step 7:** Connect the Violet dimmer lead to (-) Black connection on ballast.
8. **Step 8:** Connect the Black dimmer lead to (-) Red connection on ballast.
9. **Step 9:** Connect the Red dimmer lead to (-) Violet connection on ballast.
10. **Step 10:** Connect the Violet dimmer lead to (-) Black connection on ballast.

**NOTE:** Important wiring instructions for fixtures that use a dimmer. This innovative technology is determined by the efficiency of the ballast. Ballast efficiencies will vary from 70% to 90%, and may be used to calculate maximum bulb wattage for different configurations, consult an electrician.

**NOTE:** The Decora® DD710 dimmer is not compatible with standard 3-way or 4-way switches. It must be used with a Decora® Digital remote for multi-location control, such as the DD00R-DL.

**WIRING MATCHING REMOTE (wall box with load connection):**

**NOTE:** The matching remote must be installed in a wall box with a Load connection and a Neutral connection. A Neutral wire to the matching remote needs to be added as shown.

- Green or bare copper wire in wall box to Green terminal screw.
- Black wire (line hot) in wall box to Hot (Black) connection on ballast.
- Grey dimmer lead to (-) Grey connection on ballast.
- Load wall box wire to RED dimmer lead.
- Remaining Red Dimmer connection should have a label affixed.

**NOTE:** The Decora® DD710 dimmer may include color options. To change color of the face proceed as follows:

- Push in sides at bottom tabs and pull outward to release.
- Insert top tabs and press in bottom tab to attach.

**Changing the color of your Dimmer:**

- Use the Decora® DD710 dimmer to control a receptacle, a motor- or a transformer-operated appliance.

**WARNING:** To avoid fire shock or death, turn OFF power at circuit breaker or fuse and test that power is off before wiring!

6. **Step 6:** Connect the Red dimmer lead to (-) Violet connection on ballast.
7. **Step 7:** Connect the Violet dimmer lead to (-) Black connection on ballast.
8. **Step 8:** Connect the Black dimmer lead to (-) Red connection on ballast.
9. **Step 9:** Connect the Red dimmer lead to (-) Violet connection on ballast.
10. **Step 10:** Connect the Violet dimmer lead to (-) Black connection on ballast.

**NOTE:** Important wiring instructions for fixtures that use a dimmer. This innovative technology is determined by the efficiency of the ballast. Ballast efficiencies will vary from 70% to 90%, and may be used to calculate maximum bulb wattage for different configurations, consult an electrician.

**NOTE:** The Decora® DD710 dimmer is not compatible with standard 3-way or 4-way switches. It must be used with a Decora® Digital remote for multi-location control, such as the DD00R-DL.
**ADVANCED PROGRAMMING FEATURES**

**Definition of A Modes**
- **A-1** Maximum Brightness Level: Sets the maximum brightness level for energy savings.
- **A-2** Minimum Brightness Level: Sets the minimum dimming level.
- **A-3** On/Off Time: Sets the time on brightness regardless of the previous set light level.

**Definition of B Modes**
- **B-1** On/Off Fade Rate: Sets the amount of time in seconds it takes the light to turn off or on maximum brightness.
- **B-2** Off Fade Rate: Sets the amount of time in seconds it takes the light to turn off from maximum brightness.
- **B-3** LED Options: Sets the time period in seconds the Locater LED and Brightness display will stay on before extinguishing.

**Program Mode A**

To enter Program Mode A:
- Press and hold the TOP of the Rocker and the BOTTOM of the DM/BRIGHT Bar 5 seconds until the Locater LED and the TOP LED (LED 7) begin to blink.
- Upon releasing the TOP of the Rocker and the BOTTOM of the DM/BRIGHT Bar, the Locater LED will continue to blink once per second indicating the dimmer is in Program Mode B-1, ON Fade Rate. To change the ON Fade Rate, use the DM/BRIGHT Bar to move the LED to the desired preset setting according to the Fade Rate Chart. By tapping the Top of the Rocker this setting will automatically be saved and the device will advance to the next programming mode.

**Program Mode B**

To enter Program Mode B:
- Press and hold the TOP of the Rocker and then the BOTTOM of the DM/BRIGHT Bar 5 seconds until the Locater LED the LED 1 and the TOP LED (LED 7) begin to blink.
- Upon releasing the TOP of the Rocker and the BOTTOM of the DM/BRIGHT Bar, the Locater LED will continue to blink once per second indicating the dimmer is in Program Mode B-2, OFF Fade Rate. To change the OFF Fade Rate, use the DM/BRIGHT Bar to move the LED to the desired preset setting according to the Fade Rate Chart. By tapping the TOP of the Rocker this setting will automatically be saved and the device will advance to the next programming mode.

**FADE RATE CHART**

<table>
<thead>
<tr>
<th>LED</th>
<th>Fade On</th>
<th>Fade Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 seconds (instant)</td>
<td>0 seconds (instant)</td>
</tr>
<tr>
<td>2</td>
<td>0.5 seconds</td>
<td>0.5 seconds</td>
</tr>
<tr>
<td>3</td>
<td>1.5 seconds</td>
<td>1.5 seconds</td>
</tr>
<tr>
<td>4</td>
<td>3 seconds</td>
<td>3 seconds</td>
</tr>
<tr>
<td>5</td>
<td>6 seconds</td>
<td>6 seconds</td>
</tr>
<tr>
<td>6</td>
<td>10 seconds</td>
<td>10 seconds</td>
</tr>
<tr>
<td>7</td>
<td>25 seconds</td>
<td>25 seconds</td>
</tr>
</tbody>
</table>

**LED OPTIONS CHART**

<table>
<thead>
<tr>
<th>LED Options</th>
<th>LCD</th>
<th>LED Brightness Display Options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Active</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Turn On</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Turn Off</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td></td>
<td>On</td>
<td></td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

**Dimmer Mounting: TURN OFF POWER AT BREAKER OR FUSE BOX.**

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

**Dimmer Power Off at Circuit Breaker or Fuse.**

**NOTE:** To pair your dimmer with your mobile device, download the Leviton Decora Dimmer and Timer app from the App Store or your device account. Contact Leviton's Techline at 1-800-643-3202 or visit Leviton's website at www.leviton.com for additional information.

**OPERATION**

**NOTE:** The locater light will illuminate when the load is in the OFF position to facilitate access to the wall box.

**NOTE:** If using the dimmer in a 3-way application, the lights will turn ON or OFF from maximum brightness when the load is in the OFF position to facilitate access to the wall box.

**Push Pad (Default settings)**

- **Tap BOTTOM of Rocker.** Lights turn OFF.
- **Locate LED Dim Bar until the lights brighten.** If lights still do not turn ON, refer to the TROUBLESHOOTING section.

**ADVANCED SETTINGS**

**Device Options**
- Randomized Scheduled Events: Cycles lights ON and OFF to ensure “find” in lock while away.
- Hide LED Dim Bar: Turns LED Dim Bar OFF.
- Hide Status LED: Turns Status LED OFF.
- DST Offset Hours: Adjusts the Summer/Sunset time in hours.
- DST Offset Minutes: Adjusts the Summer/Sunset time in minutes.?
- Fade On: Sets the amount of time for the lights to turn ON from maximum brightness.
- Fade Off: Sets the amount of time for the lights to turn OFF from maximum brightness.
- Minimum: Sets a minimum brightness level for lighting.
- Maximum: Sets a maximum brightness level for lighting.

**NOTE:** If your dimmer is not responding, or you are unable to control it after you have tried to Pair/Connect it to multiple devices, it is necessary to re-pair the dimmer to the original device. To accomplish this, proceed as follows:

- On the dimmer, hold the TOP of the rocker until the locator lights start to blink. The device is now reset. Once the dimmer is reset, it is necessary to re-pair it with your application.

**FACTORY DEFAULT**

- Lights Flickering:
  - Lamp has a bad connection.
- Dimmer does not turn ON and Locater LED does not turn ON
  - Circuit breaker or fuse has tripped.
- Lamp is burned out.
- Lift has not been wired to Dimmer (White wire).
- Confirm that the device is being supplied from a 120V or 277V.
- Remote does not operate lights
  - Ensure that total load length does not exceed 300 ft.
- Ensure wiring is correct.

**FCC COMPLIANCE STATEMENT**

This device complies with Part 15 of the FCC Rules. Operation is subject to the 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 communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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/television technician for help.

**IC COMPLIANCE STATEMENT**

This device complies with Industry Canada licence-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**Copyright and Trademark Information**

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Leviton Manufacturing Co., Inc. is under license. Other product names are the trademarks of their respective owners; such use is not intended to denote affiliation, sponsorship or endorsement.

For additional information, contact Leviton’s Techline at 1-800-643-3202 or visit Leviton’s website at www.leviton.com

For warranty information and product returns, residents of Canada should contact Leviton Canada at 1-800-643-3202. For additional information, contact Leviton Canada at 1-800-643-3202.

For more information, visit Leviton.com or call 1-800-643-3202. The warranty gives the consumer specified rights, and there may be other rights, which vary from state to state or province to province.

Leviton reserves the right to inspect any product. This warranty is void if the product is altered or modified with out the written consent of Leviton Manufacturing Co., Inc. or if the product is used for other than residential purposes. The warranty is void if the product was not purchased from an authorized Leviton distributor, dealer or retailer.

**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 material and workmanship under normal and proper use for five years from the purchase date. Leviton’s only obligation is to correct defects such by repair or replacement. To obtain warranty service, return to the place of purchase. Leviton disclaims liability for labor for removal of this product or reinstallation. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty shall not apply to defects resulting from (i) normal wear and tear, (ii) use for purposes other than a residential purpose or for public rental use, (iii) any accident, neglect, misuse or abuse, (iv) unauthorized changes or modifications to the product, (v) improper installation, (vi) any application or installation contrary to Leviton’s written instructions, (vii) lubrication or maintenance, or (viii) any failure to follow all the Leviton’s instructions, including but not limited to instructions for installation, use and service. This warranty also does not cover defects or damage in products or parts thereof repaired by other than Leviton authorized service centers.

There are no other implied warranties of any kind, including merchantability and fitness for a particular purpose and any implied warranty is required is 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, damages for loss of use of any equipment, loss of profits or delays or failure to perform this warranty obligation.

The preceding remedies are the exclusive remedies for any breach of warranty or condition and are in lieu of all other remedies. Leviton shall not be liable for any other loss, whether for direct, special, indirect, incidental or consequential loss.

Appendix A. System Requirements:

- Android - 2.3 and later
- iOS - 8.0 and later
- Import your access code from your original remote control. This access code is a 12-digit number, printed on the bottom of the remote. When you have the code, proceed to step #2.

NOTE: If you have tried to Pair/Connect it to multiple devices, it is necessary to re-pair the dimmer to the original device.

For additional information, contact Leviton’s Techline at 1-800-643-3202 or visit Leviton’s website at www.leviton.com

**ICD-000-DD710-02A**

© 2017 Leviton Mfg. Co., Inc.

Di 060-02710-QA

For warranty information and product returns, residents of Canada should contact Leviton Canada at 1-800-643-3202. For additional information, contact Leviton Canada at 1-800-643-3202.

© 2017 Leviton Mfg. Co., Inc.

DI 060-02710-QA