

Plug-In Dimmer with Lumina™ RF Technology

Incandescent, LED, CFL Dimmer
Cat. No. DL3HL
INSTALLATION INSTRUCTIONS

WARNINGS AND CAUTIONS

- 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 reduce the risk of overheating and possible damage to other equipment do not install to control a motor-operated appliance, fluorescent lighting fixture, or a transformer supplied appliance.
- For control of dimmable CFL's and LED lamps.
- Unplug unit when servicing connected lighting fixtures.

WARNINGS AND CAUTIONS

- Leviton Lumina™ RF technology is appropriate for residential and light commercial applications. Metal junction boxes may adversely affect network coverage. Communication is designed to pass through interior materials, exterior materials are designed to reflect RF energy and may prevent communication to detached buildings.
- When designing Lumina™ RF networks plan for communication distances of no longer than 75 feet between devices to ensure communication. Adding additional Lumina™ RF devices increases coverage.
- Save this instruction sheet. It contains important technical data along with testing and troubleshooting information which will be useful after installation is complete.

INTRODUCTION

Leviton's Decora Smart™ Lumina™ RF devices are designed to communicate with each other via 2.4 GHz Radio Frequency (RF) to provide remote control of your lighting. In a Lumina™ RF network, each device is designed to act as a repeater. These repeaters will re-transmit the RF signal from one device to another until the intended device is reached. This ensures that the signal is received by its intended device by routing the signal around obstacles and radio dead spots. This dimmer is compatible with Lumina™ RF controllers and network devices.

WARNING: TO AVOID FIRE, PERSONAL INJURY OR DEATH DO NOT USE the remote for the control of high power heating appliances such as portable heaters. There can be some unexpected consequences if not used with care. For example, an empty coffee pot can be remotely turned on. If that should happen, your coffee pot could be damaged from overheating. If an electric heater is turned on by remote control while clothing is draped over it, a fire could result. This device will not control lighting that is used with electronic low-voltage and high frequency power supply transformers, nor high pressure discharge lamps (HID lighting). This includes mercury-vapor, sodium vapor and metal halide lamps.

Decora Smart™ Devices are ideal for living rooms, bedrooms, kitchens, dining rooms, home offices, outdoor lighting or anywhere full control of lighting is desired.

RATINGS	
Incandescent	300W - 120VAC, 60Hz
LED/CFL	100W - 120VAC, 60Hz

FEATURES

- Lumina™ RF networking technology for residential and light commercial applications
 - Greater than 75 foot communication range
 - Compatible with Leviton Lumina™ RF systems
 - Over The Air (OTA) updates
- Ease of installation - No new wiring

INSTALLATION

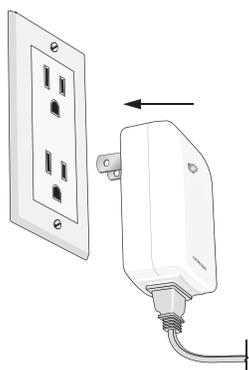
NOTE: Use check boxes when Steps are completed.

Step 1 Attaching Load to Scene Capable Plug-In Lamp Dimming Module:

- Attach lamp plug into module receptacle noting proper polarity of blades. Ensure the lamp to be controlled is fully operational and in the ON position.



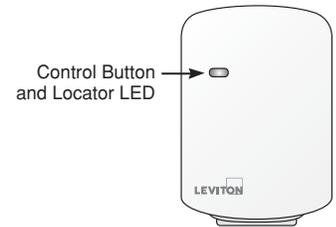
Step 2 Attaching Scene Capable Plug-In Lamp Dimming Module to Wall Receptacle:



- Plug the Plug-in Dimmer Module into wall receptacle.
- Verify that receptacle is live.
- If controlled by a wall switch, the switch must be kept ON at all times.

OPERATION

- The Plug-in lamp dimming module can manually control the lamp.
- With the lamp on, tap the control button to turn the lamp off.
- With the lamp off, tap the control button to turn the lamp on.



INCLUSION TO A Lumina™ RF NETWORK

Lumina™ RF devices need to join a network controller that supports Lumina™ RF technology. To ensure proper mesh communication start with devices that are closest to the controller and work your way outward. Learn the most distant devices last. Only one Lumina™ RF device should be in learn mode at a time.

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button one time. The Locator LED will quickly flash green.
- The Decora Smart™ Lumina™ RF device is ready to learn into the Lumina™ RF network.
- Follow directions in the Lumina™ RF controller to complete the learning process.
- Upon successful learning the LED will turn off and then blink green 3 times.
- If the learning process is not successful the LED will flash red 3 times.

LOCATOR LED SETUP

Leviton Lumina™ RF devices have a locator LED built into the control button. The operation of the LED can be changed.

Status Mode: LED ON when the load is ON:

The Locator LED is used to show the current state of the load:

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 4 times. The Locator LED will quickly flash green and amber.
- Tap the control button once. The Locator LED will flash green 3 times to confirm the selection.

Locator Mode: LED ON when the load is OFF (Default):

The Locator LED is designed to easily find the dimmer in a dark room. If the setting has been changed and you wish to return to the default operation:

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 4 times. The Locator LED will quickly flash green and amber.
- Tap the control button twice. The Locator LED will flash amber 3 times to confirm the selection.

LED OFF: Locator LED is always OFF:

The Locator LED is turned OFF:

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 4 times. The Locator LED will quickly flash green and amber.
- Tap the control button 3 times. The Locator LED will flash red 3 times to confirm the selection.

LOAD TYPE SETUP

Leviton Lumina™ RF devices are compatible with different types of loads. Choosing the correct load type will increase compatibility and provide proper operation.

Incandescent Loads (Default):

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 4 times.
The Locator LED will quickly flash green and amber.
- Tap the control button 4 times
The Locator LED will flash green/amber 3 times to confirm the selection.

LED Loads:

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 4 times.
The Locator LED will quickly flash green and amber.
- Tap the control button 5 times.
The Locator LED will flash green/red 3 times to confirm the selection.

CFL Loads:

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 4 times
The Locator LED will quickly flash green and amber.
- Tap the control button 6 times
The Locator LED will flash red/amber 3 times to confirm the selection.

FACTORY DEFAULT

In situations where a device needs to be returned to factory default follow the following steps:

- Hold the control button for a total of 14 seconds.
 - After the first 7 seconds the LED turns amber.
 - The Locator LED will quickly flash red/amber after 14 seconds.
- Release the control button and the device will reset.

EXITING PROGRAMMING

Devices are programmed to automatically time-out of any settings after 20 seconds.

MULTI-WAY APPLICATIONS

Leviton Lumina™ RF devices can be used in multi-way applications. Virtual 3 or 4 way scenarios can be created without a traveler conductor between dimmers. One device controls the load and additional switches provide additional control locations. Each additional location only requires a hot and neutral, the load control conductor is not used.

To create a virtual 3-way is a multi-step process. For bidirectional communication each location is set to master and paired to additional control locations:

Choose a control location to be the master. The master location will not be placed into pairing mode, it will be used in the second step.

Step 1: Placing additional locations into pairing mode:

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 2 times.
The Locator LED will flash red indicating the device is waiting to be paired.
- If the multi-way application is greater than two total devices, place each additional location in pairing mode.
- When all pairing locations are ready move to the master location.

Step 2: Binding the master to the devices in pairing mode:

With each of the additional control locations in pairing mode bind the master.

- Enter Programming Mode by holding the control button for 7 seconds, the Locator LED will blink amber.
- Tap the control button 3 times.
- The Locator LED will blink amber for an instant.
- The LED will flash green if pairing devices are found.
- The LED will flash red if pairing devices are not found.

Once binding is complete the paired locations will follow the master station button presses. To allow paired locations to act as a master, repeat the sequence above with the new location master. The process can be repeated until all locations have been the master providing a complete multi-way application.

NOTE: The binding between a master and remote can be removed by repeating the binding process. When the binding process is run and the devices are currently bound, the binding is removed.

TROUBLESHOOTING

If the Scene Capable Plug-In Lamp Dimming Module appears to be functioning improperly, proceed with the following steps:

1. Confirm that the device is being supplied from a 120V AC, 60Hz source ONLY.
2. Confirm that the Load being controlled is in proper working order (local switch is ON) and check for burned-out bulbs.
3. Confirm that the load being controlled does not exceed the 300W module limit.
4. Confirm that the unit is programmed properly. Select Device List to verify that it has been included into Lumina™ RF network.

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 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/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.

IC COMPLIANCE STATEMENT

This device complies with Industry Canada license-exempt RSS standard(s). 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.

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

This product is covered by U.S. Patent No. 8,664,886 and corresponding foreign patents.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1-800-405-5320.

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. For details visit www.leviton.com or call 1-800-824-3005. 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.