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

1. **Avoid Dimmable or Dimming Lamps**
   - **Input:** 120 VAC 60 Hz
   - **Output:** 5 VAC

2. **Set Device Level**
   - Adjust the knob or slider to set the desired output level.
   - When the device turns ON, the device always turns ON to the level set by the knob or slider.

3. **Set Cutoff Level**
   - The cutoff level is the lowest voltage the dimmer will output before shutting OFF. To set the cutoff level, adjust the knob or slider to the maximum output. Slowly lower the output to the desired cutoff level, then push and hold the power button for 10 seconds. The dimmer will adjust to the new level.
   - To reset the cutoff level to 0, adjust the knob or slider to the minimum output, then push and hold the power button for 10 seconds. If your load is flickering, not turning ON, or suffering from other erratic behavior at the minimum setting, raising the cutoff level may eliminate the problem. If your load will not dim, reset the cutoff level to 0 and then reset desired minimum level.

4. **preset Operation**
   - While device is OFF, set level of device. Then press button. The device will turn ON at the set level.

5. **Power Restore**
   - Upon restoration of power, the device turns ON to the state it was in at the time of power loss.

6. **5-Way Operation**
   - Link together 2, 3, 4, or 5 devices for multi-way dimming.
   - All connected devices must be powered by the same electrical circuit to ensure proper communication between the devices.

7. **LED Locator**
   - At the bottom of the switch is an LED locator that illuminates when the device is OFF so you can find the device in the dark.

8. **Remote Control**
   - If you are using a remote, the operation at the remote is identical to the operation at the master. A slight reaction delay may be noticed if operating level changes very quickly.

9. **Service Switch**
   - Some units have a service switch which must be used to disconnect the load when replacing lamps. The breaker should be disconnected when performing any circuit service other than lamp replacement. See Figure 1.

**Installation Requirements:**
- These devices are designed for installation into a metal 2” x 3” (5.08 cm x 7.62 cm) single gang or multi-gang device back box. 2-1/2” (6.35 cm) or deeper back boxes are required. These devices are not designed for a multi-gang field configured box. In some installations where conduit entry is from the side, or, in multi-gang installations where nipples between two adjacent boxes are used, deeper back boxes may be necessary. Test fit installation prior to rough-in.

**Installation of Multiple Devices:**
- Multiple devices into a single box may require re-rating and other specific installation provisions. Reference Multi-Gang Installations for more details.
- As devices vent top/bottom, devices should not be installed vertically (one over the other).
- To avoid flickering, flashing, or lights on one device adjusting when another device’s level is changed, do not share neutrals. Run separate neutrals for each load circuit back to the device. (See Figure 2).

**Wiring Diagram**
- **Hot (Black)**
- **Neutral (White)**
- **Blue**
- **Green**
- **Brown**
- **Yellow**
- **White**
- **Black**
- **Green**
- **Blue**
- **Yellow**
- **White**

**Features and Operation:**
- **Turn Device ON or OFF** – Pressing the switch will turn the device ON if the device is OFF. If the device is ON, pressing the switch will turn the device OFF.
- **Set Device Level** – Adjust the knob or slider to set the desired output level. When the device turns ON, the device always turns ON to the level set by the knob or slider.
- **Set Cutoff Level** – The cutoff level is the lowest voltage the dimmer will output before shutting OFF. To set the cutoff level, adjust the knob or slider to the maximum output. Slowly lower the output to the desired cutoff level, then push and hold the power button for 10 seconds. The dimmer will adjust to the new level. To reset the cutoff level to 0, adjust the knob or slider to the minimum output, then push and hold the power button for 10 seconds. If your load is flickering, not turning ON, or suffering from other erratic behavior at the minimum setting, raising the cutoff level may eliminate the problem. If your load will not dim, reset the cutoff level to 0 and then reset desired minimum level.
- **preset Operation** – While device is OFF, set level of device. Then press button. The device will turn ON at the set level.
- **Power Restore** – Upon restoration of power, the device turns ON to the state it was in at the time of power loss.

**Additional Information:**
- This warranty excludes and there is disclaimed liability for labor for removal of the product or reinstallation. This warranty is void if the product is installed improperly or in an improper environment, overloaded, miswired, abused, or altered in any manner, or is 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, 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, load sales or profits or delay or failure to perform this warranty obligation. No other warranties, either express or implied, are made with respect to this product, and no additional obligations are assumed by Leviton, Inc. with respect to this product.

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**LIMITED 5 YEAR WARRANTY AND EXCLUSIONS**

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product will be free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton’s sole obligation under this warranty is to repair or replace, at its option, 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, 3C North Service Road, Willimantic, New York 13794. This warranty excludes and there is disclaimed liability for labor for removal of the product or reinstallation. This warranty is void if the product is installed improperly or in an improper environment, overloaded, miswired, abused, or altered in any manner, or is 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, 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, load 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.
MULTI-GANG INSTALLATION REQUIREMENTS

Multi-Gang Installations:
A multi-ganged installation exists when multiple devices are installed in the same back box. In multi-gang installations, the following may be required:
- Device de-rating
- Fin removal
- Use of joiner bars for adjacent devices.
- Back box size

NOTE: Test fit device installation with the wall plate prior to breaking fins or installing devices to ensure you understand all requirements.

De-ratings:
When fins are broken, some devices must be de-rated. Reference table below to determine the device ratings when 0, 1, or 2 fins are removed.

Incandescent Non-Neutral Dimmer - 120VAC/VCA, 60Hz
Use only for permanently installed luminaire of load type. Incandescent, Tungsten, Inductive Transformer (exc. magnetic low voltage). The following minimum loads are required for proper operation: 40W Incandescent/Tungsten or 50W MLV. CAUTION: To reduce risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance, or a fluorescent lighting luminaire.

<table>
<thead>
<tr>
<th>Incandescent Non-Neutral</th>
<th>1 fin removed</th>
<th>2 fins removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWXMSG-IA</td>
<td>16.8</td>
<td>13.5</td>
</tr>
<tr>
<td>AWXMSG-IB</td>
<td>13.5</td>
<td>10.2</td>
</tr>
<tr>
<td>AWXMSG-ID</td>
<td>10.2</td>
<td>8.7</td>
</tr>
<tr>
<td>AWXMSI-IB</td>
<td>8.7</td>
<td>6.7</td>
</tr>
<tr>
<td>AWXMSI-ID</td>
<td>6.7</td>
<td>5.5</td>
</tr>
</tbody>
</table>

Fin Removal:
When it is desired to install devices in small spaces, some devices can be de-rated. Figure 4 shows how to break off fins and the specific order in which multiple devices must be installed in multi-gang installations.

Basic Configurations
To determine the required back box size in multi-gang installations, reference table below. In applications where the devices do not line up with back box device mounting holes, use joiner bars to join the controls together. Reference Figure 5.

<table>
<thead>
<tr>
<th>Basic Configurations</th>
<th>Number &amp; Type of WIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

Load after Remote Device/Switch and Master Device/Switch

Load in between Master Device/Switch and Remote Device/Switch

Multi-Way Control:
The Renor II product line supports up to 5-way control. Any combination of Dimmers, Fan Controls, Switches, or Remotes are supported with a maximum of 5 devices. Total run length from end to end is maximum 250 feet. Remotes require Uncontrolled Hot, Neutral, & Ground for proper operation. One traveler wire is to run in between all masters and remotes. Remote draws 15mA power (ea) from the control to which they are connected.

NOTE: Remote Hot/Neutral should ideally be fed from the same circuit as the Master. If this is not possible, ensure that the master and remote are both fed from the same phase.