**INSTALLATION INSTRUCTIONS**

**Tools needed to install your Dimmer:**
- Phillips Screwdriver
- Pliers
- Cutters

**Changing the color of your Dimmer:**
Your Dimmer includes three color options. The Dimmer ships with the color Black.

**MAXIMUM BULB WATTAGE**

<table>
<thead>
<tr>
<th>Bulb Wattage</th>
<th>Maximum Ballast Wattage</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V 60Hz</td>
<td>1000VA (8.3 A)</td>
</tr>
<tr>
<td>120V 50Hz</td>
<td>800VA (6.6 A)</td>
</tr>
<tr>
<td>277V 60Hz</td>
<td>650VA (5.4 A)</td>
</tr>
</tbody>
</table>

**WIRING DIMMER**

**3-Way Wiring with Coordinating Remote (no LEDs) Application:**

**Warning:** To avoid fire, shock or death; turn OFF power at circuit breaker or fuse before servicing.

**MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE**

<table>
<thead>
<tr>
<th># Ballasts/Dimmer</th>
<th>Load (VA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1000VA (8.3 A)</td>
</tr>
<tr>
<td>2</td>
<td>800VA (6.6 A)</td>
</tr>
<tr>
<td>3</td>
<td>650VA (5.4 A)</td>
</tr>
</tbody>
</table>

**WARNING:**
- Do not exceed the maximum load per dimmer.
- Ensure proper ballast wattage and voltage ratings.
- Use conduit to cover wires as necessary.

**TOOLS NEEDED TO INSTALL YOUR DIMMER:**
- Phillips Screwdriver
- Pliers
- Cutters

**INSTALLING YOUR DIMMER:***

1. **Prep**:
   - Prepare and connect wiring wires.
     - Pull off pre-cut insulation from dimmer leads.
     - Make sure that the ends of the wires from the ballast are straight (cut if necessary).
     - Remove insulation from each wire in the wall box as shown.

2. **Line-up tabs and press in to attach**
   - Push in side tab to release Side sections.
   - Press in side tab to release Outer sides.
   - Press in side tab to release Inner side sections.
   - Bend back sections.

3. **Identifying your wiring application**
   - Single Pole
     - 1.
       - Line (Hot) – wire to Black dimmer lead.
     - 2.
       - Neutral – wire to White dimmer lead.
     - 3.
       - Load – wire to White dimmer lead.
     - 4.
       - Line Neutral – wall box wire to White dimmer lead.
   - 3-Way
     - 1.
       - Line (Hot) (see important instruction below)
     - 2.
       - Neutral
     - 3.
       - Ground
     - 4.
       - Load

**Installing Dimmer by itself or with other devices:**

1. **Prepare and connect wiring wires**
   - Pull off pre-cut insulation from dimmer leads.
   - Make sure that the ends of the wires from the ballast are straight (cut if necessary).
   - Remove insulation from each wire in the wall box as shown.

2. **Connect wiring wires**
   - Connect wires as per Wiring Diagram as follows:
     - Green or bare copper wire in wall box to Dimmer lead
     - Line Hot wall box wire to Black dimmer lead
     - Neutral wall box wire to Red dimmer lead
     - Line Neutral wall box wire to White dimmer lead
     - Yellow/Red wire should have Red insulation label affixed.

3. **Warning:**
   - Failure to do so may result in fire, shock or death.


Step 3c

Connect wires per WIRING DIAGRAM as follows:

• Position all wires to provide room in outlet wall box for device.
• Ensure that the word "TOP" is facing down when making the screw.
• Partially screw in mounting screws in wall box mounting holes.

Step 4b cont’d

Remove Red insulating label from Yellow/Red dimmer lead.

Step 4c

Assure that the lights turn ON.

Turn OFF from ON position:

Lights should turn ON. If lights do not turn ON, press and hold the dimmer is in Mode 1, Set Minimum Brightness level from 1-50%, use the DIM/BRIGHT Bar. This feature is not reset, press and hold the lower edge of the dimmer/BRIGHT Bar unit for 7 seconds. If the LED is not lit, this setting will automatically be saved.

Tap the push pad to change to Mode 3, Set Fad Rate mode. The lighting LED will blink twice per second.

Change the current Fad Rate, use the DIM/BRIGHT Bar to move the LED to the desired level. The setting will be automatically saved by tapping the push pad to exit programming mode.

Mode 1 - Set Minimum Brightness: Set the minimum brightness that the lights can dim to prior to turning full OFF. Press the push pad for 7 seconds until the locator LED (1) starts blinking.

Mode 2 - Set Dim-Lock Level: Set the brightness level that the lights will turn on to regardless of the previous light level at which they were turned OFF.

Mode 3 - Set Fad Rate: Set the amount of time (in seconds) that the lights will turn on or OFF. Fade rates can be set to one of five different settings.

NOTE: The dimmer will program mode after 3 minutes of inactivity.

TROUBLESHOOTING

- Lights Flickering.
  - Lamp has a bad connection.
  - Wires not firmly secured with wire connectors of dimmer or terminal screws of remote.

- Lights do not turn ON and Locator LED does not turn ON.
  - Power is not connected.
  - Lamp is burned out.
  - Dimmer is located more than 15 ft from receiver.
  - Neutral not wired to Dimmer (White wire).

- Dimmer intermittent operation.
  - Minimum load is under 40W.
  - Remote does not operate lights.
  - Ensure that the wire length does not exceed 30 ft (9m).
  - Ensure wiring is correct.

- Lights cycle ON and OFF.
  - Remove excess load.
  - Local interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to correct the interference by one or more of the following measures:
    - Reposition or relocate the receiver.
    - Increase the separation between the equipment and the receiver.
    - Connect equipment to 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.

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Diagnostics Features

- The dimmer will exit program mode after 3 minutes of inactivity.

NOTE: All wiring may be confirmed by turning the switch OFF and ON, while checking for a "clicking" sound in the dimmer housing.

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Step 2

Turn OFF POWER AT CIRCUIT BREAKER OR FUSE.

Step 3a

Testing your Dimmer prior to mounting in wall box:

Dimmer Mounting:

Turn OFF POWER AT CIRCUIT BREAKER OR FUSE.

Operation

NOTE: The locator light will illuminate when the load is in the OFF position to facilitate access in the dark.

NOTE: If using the 3-wire application, the lights will turn ON or OFF brightness set on dimmer’s DIM/BRIGHT bar. The lighting can be controlled from either the dimmer or the remote location.

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