acenti®

Single Pole (One location) or 3-Way (Multi-location)
Incandescent Dimmer
Cat. No. ATIØ6-1L, 600W (Lighted)
120VAC, 60Hz
INSTALLATION INSTRUCTIONS

LEVITON®

DI-000-ATI06-02A

WARNINGS AND CAUTIONS:
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult a qualified 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.
- Use with incandescent or 120V halogen fixtures only.
- Acenti® dimmers are not compatible with standard 3-way or 4-way switches. They must be used with compatible Acenti® remotes for multi-location dimming.
- Use only one (1) Acenti® dimmer in a multi-location circuit with up to 9 coordinating remotes (without LEDs) or up to 4 matching remotes (with LEDs). The remote(s) will turn the light on at the brightness level selected at the dimmer.

WARNINGS AND CAUTIONS:
- Dimmer may not operate with dioded lamps (Sylvania Designer 16™ or Philips PAR-16™).
- Total minimum load must exceed 40W.
- Dimmer may feel warm to the touch during normal operation.
- Recommended minimum wall box depth is 2-1/2".
- For proper operation, maximum wire length from dimmer to all installed remotes cannot exceed 300 ft.
- Disconnect power at circuit breaker or fuse when servicing, installing or removing fixture.
- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CO/ALR or CU/AL.

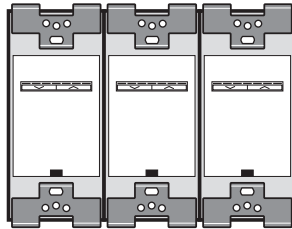---

Tools needed to install your Dimmer

| Slotted/Phillips Screwdriver | Electrical Tape | Pliers |
| Pencil | Cutters | Ruler |

Installing Dimmer by itself or with other devices

If installing Dimmer in a single device application, proceed with the **INSTALLING YOUR DIMMER** section. If installing Dimmer in a multi-device application, proceed as follows:

MULTI-DEVICE APPLICATION:

In multi-dimmer installations, the reduction of the dimmer's capacity is required. Refer to the chart for maximum load per dimmer.
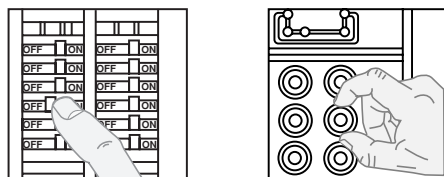

MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE APPLICATION

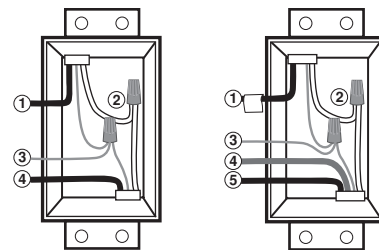| Cat. No.	Single	Two Devices	More than 2 Devices
ATIØ6	600W	600W	500W

INSTALLING YOUR DIMMER

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 a qualified electrician.
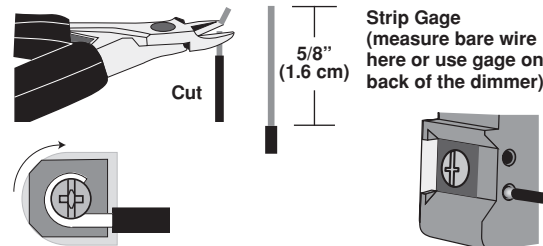

3-Way
1. Line or Load *(See important instruction below)*
2. Neutral
3. Ground
4. First Traveler – note color
5. Second Traveler – note color

NOTE: For matching remote (w/LEDs) installation, the **First Traveler** becomes Line Hot.

Single-Pole
1. Line (Hot)
2. Neutral
3. Ground
4. Load

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.

Step 3 **Preparing and connecting wires:**
This dimmer can be wired using side wire terminal screws or through backwire openings. Choose appropriate wire stripping specifications accordingly.

Cut

5/8" (1.6 cm)

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

Side Wire Connection
Side wire terminals accept #14 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 4 **Installing your Alignment Plate:**
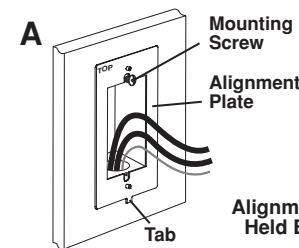
Important Notice for Installer

To achieve proper aesthetic installation of the Acenti® products, the wall surface surrounding the wall box opening must be fairly flat and free of irregularities. The wall box must be level and recessed or flush to the wall surface. The Acenti® installation system allows for adjustments that will correct minor flaws that may be present in the installation area.

This device must be installed with the Acenti® Alignment Plate. The Alignment Plate is packaged with the Acenti® Wallplate, which is sold separately from this device.
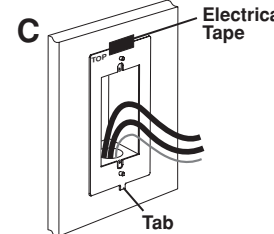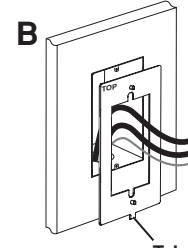
The Alignment Plate will function properly only if it is mounted to a flat wall surface as described above.

- Leviton recommends to temporarily position the Alignment Plate prior to wiring the device. If the wall box wires extend at least 6 inches out of the wall box, it is also possible to install the Alignment Plate after the device has been wired (**refer to Wallplate instruction sheet**).
- The Alignment Plate must be installed with the tab towards the bottom.
- Leviton recommends the following 3 methods to **temporarily** hold the Alignment Plate – use of device mounting screw, use of wall box wires, or use of electrical tape (**refer to the following figures**):
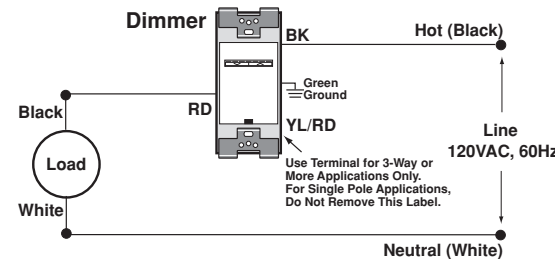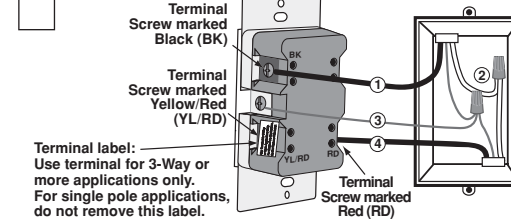
Alignment Plate Held By Mounting Screw

A

Mounting Screw
Alignment Plate
Tab

Alignment Plate Held By Wires

B

Tab

Alignment Plate Held By Tape

C

Electrical Tape
Tab

- For Single Pole Application, go to Step 5a.
- For 3-Way Coordinating Remote (no LEDs) Application, go to Step 5b.
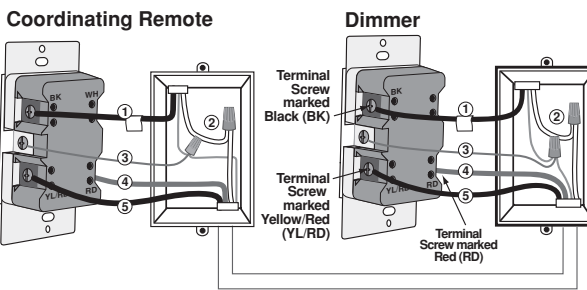- For 3-Way Matching Remote (with LEDs) Application, go to Step 5c.

Step 5a **Single Pole Wiring Application:**

Terminal Screw marked Black (BK)
Terminal Screw marked Yellow/Red (YL/RD)
Terminal label: Use terminal for 3-Way or more applications only. For single pole applications, do not remove this label.
Terminal Screw marked Red (RD)

Dimmer
BK — Hot (Black)
Green Ground
Black — RD
YL/RD — Line 120VAC, 60Hz
Use Terminal for 3-Way or More Applications Only. For Single Pole Applications, Do Not Remove This Label.
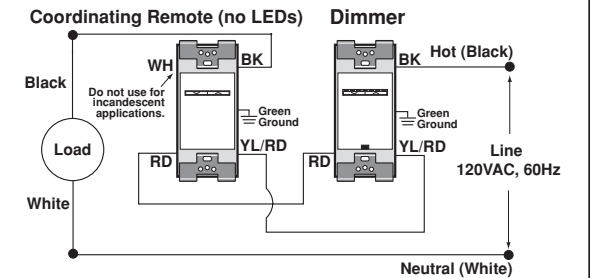Load
White — Neutral (White)

WIRING DIMMER:
Connect wires per WIRING DIAGRAM as follows:
- Green or bare copper wire in wall box to Green terminal screw.
- Line Hot wall box wire to terminal screw marked "BK".
- Load wall box wire to terminal screw marked "RD".
- Dimmer terminal screw marked "YL/RD" should have Red insulation label affixed.
  NOTE: If insulating label is not affixed to terminal screw marked "YL/RD", use electrical tape to cover.
- Proceed to Step 6.

Step 5b **3-Way Wiring with Coordinating Remote (no LEDs) Application:**

Coordinating Remote   **Dimmer**

Terminal Screw marked Black (BK)
Terminal Screw marked Yellow/Red (YL/RD)
Terminal Screw marked Red (RD)

Step 5b cont'd

Coordinating Remote (no LEDs)   **Dimmer**

WH — BK
Black
Do not use for incandescent applications.
Green Ground
Load
YL/RD
RD — RD
BK — Hot (Black)
Green Ground
YL/RD — Line 120VAC, 60Hz
White
Neutral (White)

WIRING DIMMER:
Connect wires per WIRING DIAGRAM as follows:
NOTE: When using the coordinating remote without LEDs, 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.
- Green or bare copper wire in wall box to Green terminal screw.
- Line Hot (common) wall box wire identified (tagged) when removing old switch to terminal screw marked "BK".
- First Traveler wall box wire to terminal screw marked "RD" (note wire color). This traveler from the dimmer must go to the terminal screw on the remote marked "RD".
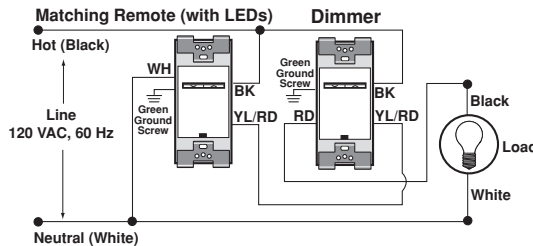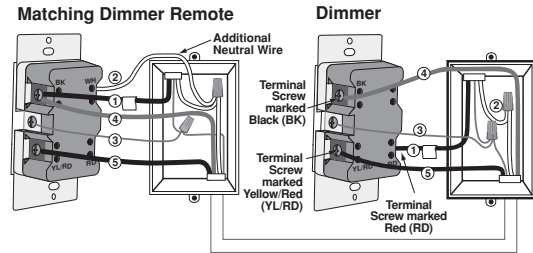- Remove Red insulating label from terminal screw marked "YL/RD".
- Second Traveler wall box wire to terminal screw marked "YL/RD" (note wire color). This traveler from the dimmer must go to the terminal screw on the remote marked "YL/RD".

WIRING COORDINATING REMOTE:
Connect wires per WIRING DIAGRAM as follows:
NOTE: Maximum wire length from dimmer to last remote is 300ft.
- Green or bare copper wire in wall box to Green terminal screw.
- Load wall box 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".
- 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".
- 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 6.

Step 5c: 3-Way Wiring with Matching Remote (w/LEDs) Application:

Matching Dimmer Remote

Additional Neutral Wire

Dimmer

Terminal Screw marked Black (BK)

Terminal Screw marked Yellow/Red (YL/RD)

Terminal Screw marked Red (RD)

Matching Remote (with LEDs)   **Dimmer**

Hot (Black)

WH — BK — Green Ground Screw — BK

Line 120 VAC, 60 Hz — Green Ground Screw — YL/RD — RD — YL/RD

Black

Load

White

Neutral (White)

NOTE: The dimmer **must** be installed in a wall box that has a Load connection. 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. If you are unsure about any part of these instructions, consult a qualified electrician.

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

WIRING MATCHING REMOTE (wall box with Line Hot connection):
Connect wires per WIRING DIAGRAM as follows:
- Green or bare copper wire in wall box to Green terminal screw.
- Line Hot (common) wall box wire identified (tagged) when removing old switch and First Traveler to remote terminal screw marked "BK".
- Second Traveler wall box wire from dimmer to remote terminal screw marked "YL/RD" (**note wire color**). This traveler from the remote must go to the terminal screw on the dimmer marked "YL/RD".
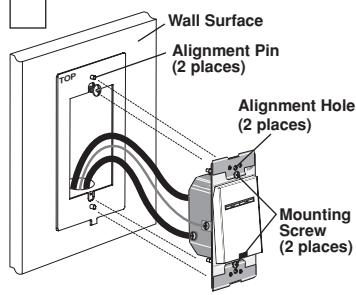- Line Neutral wall box wire to remote terminal screw marked "WH".

WIRING DIMMER (wall box with Load connection):
Connect wires per WIRING DIAGRAM as follows:
- Green or bare copper wire in wall box to Green terminal screw.
- Load wall box wire identified (tagged) when removing old switch to dimmer terminal screw marked "RD".
- First Traveler Line Hot to dimmer terminal screw marked "BK".
- Remove Red insulating label from terminal screw marked "YL/RD".
- Second Traveler wall box wire (**note color as above**) to dimmer terminal screw marked "YL/RD". This traveler from the dimmer must go to the terminal screw on the remote marked "YL/RD".
- **Proceed to Step 6.**

Step 6: Testing your Dimmer prior to mounting in wall box:

Wall Surface

Alignment Pin (2 places)

Alignment Hole (2 places)

Mounting Screw (2 places)

- If Alignment Plate is temporarily positioned using screw as in **Step 4A**, remove screw.
- 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 holes.

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.
- Press pad until locator light is OFF. Lights should turn ON. If lights do not turn ON, press the DIM/BRIGHT Up Arrow until the lights brighten. **If lights still do not turn ON, refer to the TROUBLESHOOTING section.**

Step 7: Dimmer Mounting:
To complete the Acenti® Dimmer and Wallplate installation, please refer to the instructions included with the Acenti® Wallplate and Alignment Plate.

Step 8: Restore Power:
Restore power at circuit breaker or fuse. **Installation is complete.**

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 dimmer in a 3-way application, the lights will turn ON at brightness set on dimmer's DIM/BRIGHT bar. The lighting can be controlled 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.
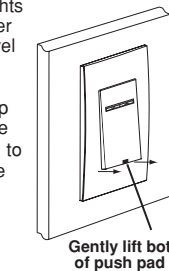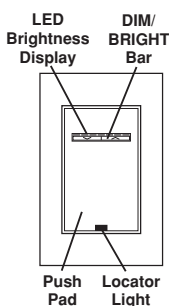**DIM:**
Press left half of DIM/BRIGHT Bar – Lights dim to desired level.
If you continue to hold the left half of the DIM/BRIGHT Bar, the lights will DIM to minimum level and then turn OFF.
NOTE: The turn on light level can be changed when lights are off using the DIM/BRIGHT Bar. In the event of power outage or interruption, the lights will reset to the last level when power is restored.
Air-Gap Switch: On the dimmer only, gently pull the bottom of the push pad forward until it lifts off the strap to engage the air-gap switch. This will cut power to the fixture to replace the bulb. After servicing is complete, to return push pad back to neutral position disengage the push pad holder by pressing on push pad holder with index finger while pushing the push pad back into the neutral position (**refer to OPERATION figure 3**).

LED Brightness Display   DIM/BRIGHT Bar

Push Pad   Locator Light

Gently lift bottom of push pad out

NOTE: This device has a removable push pad. If there is a need to re-install the push pad, proceed as follows:
- Line up tabs located on top back of pad with openings in the top of strap and gently press in.
- Line up tab located on bottom back of pad with opening in the bottom of strap and gently press in.
- Press up on push pad holder while pushing in push pad to re-engage.

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

ADVANCED PROGRAMMING FEATURES

Definition of A Modes
A-1) Energy Save: Sets the maximum brightness level for energy savings.
A-2) Minimum Brightness Level: Sets the minimum dimming level.
A-3) Preset ON Level: Sets the turn on brightness level regardless of the previous set light level (formerly Dim Lock).
A-4) Almost OFF Level: Sets the brightness level the device will dim to when the push pad is pressed to turn off. In this mode the lights will always remain on.

Definition of B Modes
B-1) ON Fade Rate: Sets the amount of time in seconds it takes the lights to turn ON to maximum brightness.
B-2) OFF Fade Rate: Sets the amount of time in seconds it takes the lights to turn OFF from maximum brightness.
B-3) LED Options: Sets the time period in seconds the Locator LED and Brightness display will stay on before extinguishing.

Definition of C Modes
C) Restore Defaults: Restores the factory default settings.

Definition of LEDs
Leftmost LED = LED 1
Rightmost LED = LED 7
NOTES:
- The device will exit programming mode after 3 minutes of inactivity.
- Pressing the Push Pad at any time during programming will advance the device to the next programming mode.

1 2 3 4 5 6 7

LED Brightness Display

Program Mode A
To enter Program Mode A:
Press and hold the Push Pad and then the **right** half of the DIM/BRIGHT Bar (∧) for 5 seconds until the Locator LED and leftmost LED (LED 1) begin to blink.
A-1) Upon releasing the Push Pad and the **right** half of the DIM/BRIGHT Bar (∧), the Locator LED will continue to blink once per second and the rightmost LED will illuminate to display the device is in Program Mode **A-1, Energy Save**. The default energy save mode is 100% i.e. full bright. To change the **Energy Save** level, use the DIM/BRIGHT Bar to move the corresponding LED to the desired discrete preset level according to **Chart A**. By tapping the Push Pad this setting will automatically be saved and the device will advance to the next programming mode, **A-2**.

Chart A

When indicator light is at LED #	Light output is at	Energy consumption savings amounts to
7	100%	0%
6	97%	5%
5	95%	8%
4	90%	11%
3	85%	14%
2	80%	17%
1	75%	20%

Fig. 3

Push up holder and press push pad in

Gently lift bottom of push pad out
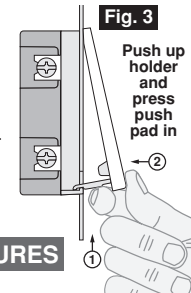
A-2) The Locator LED will blink 2 times per second to indicate the device is in Program Mode **A-2, Minimum Brightness Level**. The default Minimum Brightness level is approximately 20%. To change the **Minimum Brightness Level** from 1-50%, use the DIM/BRIGHT Bar. The light output will reflect the minimum brightness level selected. By tapping the Push Pad this setting will automatically be saved and the device will advance to the next programming mode, **A-3**.
A-3) The Locator LED will blink 3 times per second to indicate Program Mode **A-3, Preset ON Level**. To change the current **Preset ON Level** from 1-100%, use the DIM/BRIGHT Bar. If this feature is not desired, press and hold the **left** half of the DIM/BRIGHT Bar (∨) until no LED is lit (default setting). By tapping the Push Pad this setting will automatically be saved and the device will advance to the next programming mode, **A-4**.
A-4) The Locator LED will blink 4 times per second to indicate Program Mode **A-4, Almost OFF Level**. To change the current **Almost OFF Level**, use the DIM/BRIGHT Bar to adjust the preset light level. If this feature is not desired, press and hold the **right** half of the DIM/BRIGHT Bar (∧) until no LED is lit (default setting). By tapping the Push Pad this setting will automatically be saved and the device will exit Programming Mode A. **Almost OFF** can be overridden by pressing and holding the **left** half of the DIM/BRIGHT Bar (∨) until lights turn OFF.
NOTE: When **Almost OFF Level** is set the LED Locator will be illuminated when the dimmer is in the **Almost OFF** state, even though the light remains on.

Program Mode B
To enter Program Mode B:
Press and hold the Push Pad and then the **left** half of the DIM/BRIGHT Bar (∨) for 5 seconds until the Locator LED and rightmost LED (LED 7) begin to blink.
B-1) Upon releasing the Push Pad and the **left** half of the DIM/BRIGHT Bar (∨), the Locator 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 DIM/BRIGHT Bar to move the LED to the desired preset level according to **Chart B**. By tapping the Push Pad this setting will automatically be saved and the device will advance to the next programming mode, **B-2**.
B-2) The Locator LED will blink 2 times per second to indicate Program Mode **B-2, OFF Fade Rate**. To change the **OFF Fade Rate**, use the DIM/BRIGHT Bar to move the LED to the desired preset level according to **Chart B**. By tapping the Push Pad this setting will automatically be saved and the device will advance to the next programming mode, **B-3**.

Chart B

LED	FADE ON	FADE OFF
LED 1	0 seconds (instant)	0 seconds (instant)
LED 2 (Default)	0.5 seconds	0.5 seconds
LED 3	1.5 seconds	1.5 seconds
LED 4	3.0 seconds	3.0 seconds
LED 5	6.0 seconds	6.0 seconds
LED 6	10 seconds	10 seconds
LED 7	25 seconds	25 seconds

B-3) The Locator LED will blink 3 times per second to indicate Program Mode **B-3, LED Options**. To change the **LED Options** settings, use the DIM/BRIGHT Bar to move the LED to the desired preset setting according to the **Chart B-3**. By tapping the Push Pad this setting will automatically be saved and the device will exit Programming Mode B.

Chart B-3
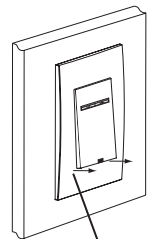
LED	LOCATOR LED TIMEOUT	LED BRIGHTNESS DISPLAY OPTIONS
LED 1	Active	Active
LED 2	Active	Turns off 5 sec. after use
LED 3	Turns off 5 sec. after use	Active
LED 4	Turns off 5 sec. after use	Turns off 5 sec. after use
LED 5	N/A	N/A
LED 6	N/A	N/A
LED 7	N/A	N/A

Program Mode C
To enter Program Mode C:
Engage the air-gap switch by gently pulling the bottom of the Push Pad until it lifts completely out of the frame and a click is heard. All LEDs will extinguish.
C) To return push pad back to neutral position disengage the push pad holder by pressing up on push pad holder with index finger while pressing the push pad until fully depressed (**refer to OPERATION figure 3**) and hold for 7 seconds until the LED Brightness Display starts bidirectional strobing to indicate Program Mode **C, Restore Default**. To **Restore Default** settings, release the Push Pad. This will exit programming mode C.

Gently lift bottom of push pad out

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.

For additional information, contact the Acenti™ Information Hotline at 1-888-4-ACENTI or visit Leviton's website at www.leviton.com/acenti

FCC COMPLIANCE STATEMENT
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.

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