**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 an electrician.
- Leviton electronic countdown timer switches are not compatible with standard 3-way or 4-way switches. They must be used with compatible Vicu® ON/OFF remote switches.
- Recommended minimum wall box depth is 2-1/2”.
- Disconnect power at circuit breaker or fuse when servicing, installing or removing fixture.
- Maximum wire length from timer switch to all installed remote switches cannot exceed 300 ft (90 m).
- Use this device only with copper or copper clad wire only.

### INSTALLATION INSTRUCTIONS

#### ELECTRONIC COUNTDOWN TIMER SWITCH

**Cat. No. LTBT15, LTBT30, LTBT60, LTBT02, LTBT12 Lighted**
- 20A Resistive/Inductive, 1800W Incandescent, 1HP 120VAC, 60Hz

### INSTALLATION INSTRUCTIONS

#### TOOLS NEEDED TO INSTALL YOUR TIMER SWITCH

<table>
<thead>
<tr>
<th>Tool</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slotted/Phillips Screwdriver</td>
<td>Electrical Tape, Pliers, Ruler, Pencil, Cutters</td>
</tr>
</tbody>
</table>

#### MAXIMUM LOAD PER TIMER FOR MULTI-DEVICE INSTALLATIONS

<table>
<thead>
<tr>
<th>Load</th>
<th>Single</th>
<th>Two Devices</th>
<th>More than 2 Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistive</td>
<td>20A (2400W)</td>
<td>16A (1920W)</td>
<td>16A (1920W)</td>
</tr>
<tr>
<td>Incandescent</td>
<td>1800W</td>
<td>1800W</td>
<td>1800W</td>
</tr>
<tr>
<td>Inductive</td>
<td>20A</td>
<td>16A</td>
<td>16A</td>
</tr>
<tr>
<td>Motor Load</td>
<td>1HP</td>
<td>1HP</td>
<td>1HP</td>
</tr>
</tbody>
</table>

### INSTALLATION INSTRUCTIONS

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

#### WARNING: THIS PRODUCT IS NOT INTENDED TO BE INSTALLED IN A MOIST LOCATION.

#### INSTALLING YOUR TIMER SWITCH

##### Single Pole Wiring Application:

**3-Way Wiring**

- **Single Pole** Wire:
  - Line (Hot)
  - Neutral
  - Load

- **Neutral** Wire:
  - Neutral
  - Neutral

- **Ground** Wire:
  - Ground
  - Ground

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

**CAUTION:** For non-standard wiring applications, refer to Wire Nut and Connector Size Chart.

**WARNING:** 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.

**NOTE:** Use this device only with copper or copper clad wire only.

**NOTE:** Maximum wire length from timer switch to all installed remote switches cannot exceed 300 ft (90 m).

**NOTE:** Line Hot (common) wall box wire identified (tagged) when removing old switch to Black lead.

**NOTE:** Green or bare copper wire in wall box to Green lead.

**NOTE:** Line Hot wall box wire to Black lead.

**NOTE:** Load wall box wire to Red lead.

**NOTE:** Neutral wall box wire to White lead.

**NOTE:** Timer Switch Yellow/Red lead should have Red insulation label affixed.

**NOTE:** Proceed to Step 5.

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

**NOTE:** For non-standard wiring applications, refer to Wire Nut and Connector Size Chart.

### WIRING TIMER SWITCH:

#### Connect wires per WIRING DIAGRAM as follows:

- Green or bare copper wire in wall box to Green lead.
- Line Hot wall box wire to Black lead.
- Load wall box wire to Red lead.
- Neutral wall box wire to White lead.
- Timer Switch Yellow/Red lead should have Red insulation label affixed.

**NOTE:** Proceed to Step 5.

### Step 3

#### Preparing and connecting wires:

- Pull off pre-cut insulation from timer switch leads. 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 4a cont’d

#### Coordinating Remote Switch (no LED) Application:

#### Step 4b cont’d

#### 3-Way Wiring with Vicu® + Coordinating Remote Switch (no LED) Application:

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

**NOTE:** For non-standard wiring applications, refer to Wire Nut and Connector Size Chart.

**NOTE:** Maximum wire length from timer switch to all installed remote switches cannot exceed 300 ft (90 m).

**NOTE:** Line Hot (common) wall box wire identified (tagged) when removing old switch to Black lead.

**NOTE:** Green or bare copper wire in wall box to Green lead.

**NOTE:** Line Hot wall box wire to Black lead.

**NOTE:** Load wall box wire to Red lead.

**NOTE:** Neutral wall box wire to White lead.

**NOTE:** Timer Switch Yellow/Red lead should have Red insulation label affixed.

**NOTE:** Proceed to Step 5.
FEATURES OF YOUR COUNTDOWN TIMER SWITCH

• Four (4) Timer buttons and an OFF button.
• Each timer button has an adjacent green LED to indicate the current countdown time.
• The green bottom LED is ON when the load is OFF and is OFF when the load is ON.
• Your timer switch can be easily programmed to function as 1 of 4 timers.
• LTBO is not programmable as a 12 hour timer but can be programmed to function as any of the other timers.

OPERATION

1. To turn the load ON press one of the timer buttons. The green LED adjacent to that button will illuminate and the timer will begin to countdown for the selected timer period.
2. To select a different countdown timer press the button corresponding to the desired time. The LED adjacent to that button will illuminate and the timer will begin countdown from the new selection.
3. To turn the load OFF press the OFF button or wait until the selected amount of time has passed. The LED adjacent to each button will extinguish as time passes to the next preset level.

Timer Override

To override the Timer Countdown Switch hold down both the timer button and press the OFF button for at least 3 seconds. The timer switch will turn amber to indicate the EXTENDED ON state. In this state the timer will automatically turn OFF after 24 hours. To exit the EXTENDED ON state press any of the timer buttons or the OFF switch.

ADVANCED PROGRAMMING FEATURE

Timer Select Mode - You can change the times on your timer without buying a new device!

Your timer can be programmed to function as any of the timers in the table below:

<table>
<thead>
<tr>
<th>Timer Switch Number</th>
<th>Buttons</th>
<th>Time Outs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTBO2</td>
<td>1</td>
<td>15min, 30min, 1hr, 2hr</td>
</tr>
<tr>
<td>LTBO1</td>
<td>1</td>
<td>2, 4, 8 hours</td>
</tr>
<tr>
<td>LTBO2</td>
<td>2</td>
<td>10, 20, 30, 60 minutes</td>
</tr>
<tr>
<td>LTBO3</td>
<td>3</td>
<td>5, 10, 15 minutes</td>
</tr>
<tr>
<td>LTBO1</td>
<td>4</td>
<td>2, 5, 10, 15 minutes</td>
</tr>
</tbody>
</table>

NOTE: If you change the ON times of your timer the printed face will no longer match the ON times. A change kit should be purchased to alleviate this situation.

To select different time options please follow the subsequent steps:
1. Press and hold the 1st and 3rd timer buttons to enter Select Timer Mode.
2. The green top LED will flash green to indicate the device is in Select Timer Mode.
3. Press the button (from the table above) corresponding with the time you desire.
4. The new Timer button will briefly flash to display the timer mode chosen.
5. Pressing the OFF button will save programming and exit programming mode. The timer will also exit programming mode automatically if no buttons are pressed for 3 minutes.

Multi-Location Control

The Timer can be turned on/off from remote control or via a second Vizia + Remote Switch location. The default ON time when a remote is pressed to turn the load ON will be the last countdown time chosen. The timer can be controlled from any one of its 10 locations using Vizia + Coordinating Remote Switches or up to 5 locations using Vizia + Matching Remote Switches.

TRoubleshooting

• Intermittent Operation
  - Load has a bad connection.
  - Wire not secured firmly to leads of timer switch and/or remote switch.
• Load does not turn ON and Locator LED does not turn ON
  - Circuit breaker or fuse has tripped.
  - Load is burned out.
  - Neutral connection is not wired.
• Remote switch does not operate load
  - Ensure that total wire length does not exceed 300 ft (90 m).
  - Ensure that a neutral wire is used with matching remote switches.

NOTE: Section wiring a neutral wire may cause improper operation. Connect all timers to the same phase or run a separate neutral to each phase.

For additional information, contact Leviton’s Technical at 1-800-824-2005 or visit Leviton’s website at www.leviton.com

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FCC COMPLIANCE STATEMENT

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following 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 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.

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Patents and patents pending

LIMITED 5 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants 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, if 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. or a Leviton Authorized Service Center and there is no condition for labor or 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, altered, 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 for a particular use. In no event shall Leviton be liable for any incidental or consequential damages, including 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.