decora®

Single Pole (One Location) or 3-Way (Multi Location)
Electronic Countdown Timer Switch
Cat. No. LTB15, LTB30, LTB60, LTB02, LTB04, LTB12 Lighted
20A Resistive/Inductive, 1,800 W Incandescent/Halogen, 600 W LED/CFL, 1 HP
120 VAC, 60 Hz

LEVITON

WARNINGS:
- **TO AVOID FIRE SHOCK OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is OFF before wiring!
- 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 Decora® Wired Switch Companion (VP0SR).
- **DO NOT** use to control lighting if it is the only light source in the area.

CAUTIONS:
- **Disconnect power at circuit breaker or fuse when servicing, installing or removing fixture**.
- Use only one (1) Leviton electronic countdown timer switch in a multi-location circuit with up to 9 Wired Switch Companions (VP0SR-10) or up to 4 Wired Switch Companions (VP0SR-1L).
- Maximum wire length from Timer Switch to all installed Wired Switch Companions cannot exceed 300 ft (90 m).
- Use this device only with **copper or copper-clad wire only**.
- Recommended minimum wallbox depth is 2-1/2 in.
- To avoid damage to the product, **DO NOT** use disinfecting products, including foggers, sprays or other types of atomized cleaning agents. **DO NOT** spray liquid onto the product. To clean use a damp cloth with mild soap.

PK-93796-10-00-2C

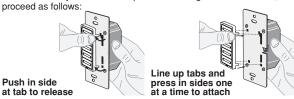## TOOLS NEEDED TO INSTALL YOUR TIMER SWITCH

Slotted/Phillips Screwdriver   Electrical Tape   Pliers
Pencil   Cutters   Ruler

Changing the color of your device:
Your device may include color options. To change color of the face, proceed as follows:

Push in side at tab to release

Line up tabs and press in sides one at a time to attach

Color change kits available in White (W), Light Almond (T), Ivory (I), Brown (B), Black (E), (LTBKT-00x)

MAXIMUM LOAD PER TIMER FOR MULTI-DEVICE INSTALLATIONS

Load	Single	Two or more devices
Resistive Load	20A (2400 W)	16A (1920 W)
Incandescent/Halogen	1800 W	1800 W
Inductive Load	20A	16A
Motor Load	1 HP	1 HP
LED/CFL load	600 W	600 W

INSTALLING YOUR TIMER SWITCH

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 your wallbox does not resemble any of these configurations, consult an electrician.

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

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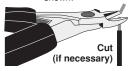5. Second Traveler – note color.

NOTE: For Wired Switch Companions (with LED) the **First Traveler** becomes Line Hot.

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 switch wallbox and Wired Switch Companion wallbox.

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 wallbox are straight (cut if necessary). Remove insulation from each wire in the wallbox as shown:
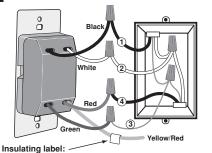
Cut (if necessary)

5/8 in. (1.6 cm)

Strip Gage (measure bare wire here)

For non-standard wiring applications, refer to Wire Nut and Connector Size Chart

WIRE CONNECTOR / # OF COND. COMBINATION CHART

1 - #12 w/ 1 to 3 #14, #16 or #18
2 - #12 w/ 1 to 2 #16 or #18
1 - #14 w/ 1 to 4 #16 or #18
2 - #14 w/ 1 to 3 #16 or #18

- Make sure that the ends of the wires from the wallbox are **straight (cut if necessary)**.
- Remove insulation from each wire in the wallbox as shown.
- **For single pole application, go to Step 4a.**
- **For 3-way Wired Switch Companion (without LED) application, go to Step 4b.**
- **For 3-Way Wired Switch Companion (with LED) application, go to Step 4c.**

Step 4a   **Single pole wiring application:**

Black

White

Red

Green

Yellow/Red

Insulating label:
This wire is used in 3-way installations only.
For single pole installations, do not remove this insulating label.

Step 4a cont'd

Timer Switch

White   Black   Hot (Black)
Green Ground
Red   Yellow/Red
Black
Load
White

Insulating Label

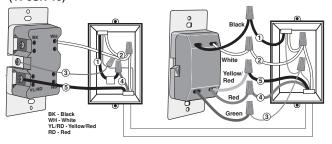Line 120 VAC, 60Hz

Neutral (White)

WIRING TIMER SWITCH:
Connect wires per WIRING DIAGRAM as follows:
- Green or bare copper wire in wallbox to Green lead.
- Line Hot wallbox wire to Black lead.
- Load wallbox wire to Red lead.
- Line Neutral wallbox wire to White lead.
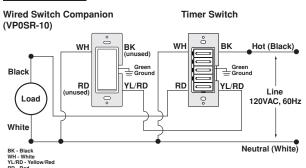- Timer Switch Yellow/Red lead should have Red insulation label affixed.
- **Proceed to Step 5.**

Step 4b   **3-way wiring with Wired Switch Companion (VP0SR-10) application:**

Wired Switch Companion (VP0SR-10)   **Timer Switch**

Black
White
Yellow/Red
Red
Green

BK - Black
WH - White
YL/RD - Yellow/Red
RD - Red

Step 4b cont'd

Wired Switch Companion (VP0SR-10)   **Timer Switch**

WH   BK (unused)   WH   BK   Hot (Black)
Green Ground   Green Ground
Black
RD (unused)   YL/RD   RD   YL/RD
Load
Line 120VAC, 60Hz
White
Neutral (White)

BK - Black
WH - White
YL/RD - Yellow/Red
RD - Red

WIRING TIMER SWITCH:
Connect wires per WIRING DIAGRAM as follows:
NOTE: The timer switch must be installed in a wallbox that has a Line Hot connection.
NOTE: Maximum wire length from timer switch to all installed Wired Switch Companion devices cannot exceed 300 ft (90 m).
- Green or bare copper wire in wallbox to Green lead.
- Line Hot (common) wallbox wire identified (tagged) when removing old switch to Black lead.
- First Traveler wallbox wire to Red lead **(note wire color)**.
- Remove Red insulating label from Yellow/Red lead.
- Second Traveler wallbox wire to Yellow/Red lead **(note wire color)**. This traveler from the timer switch must go to the terminal screw on the Wired Switch Companion marked "YL/RD."
- Line Neutral wallbox wire to White lead.

WIRING WIRED SWITCH COMPANION (VP0SR-10):
Connect wires per WIRING DIAGRAM as follows:
NOTE: "BK" and "RD" terminals on Wired Switch Companion (VP0SR-10) are unused. Tighten both screws.
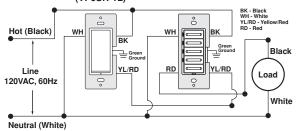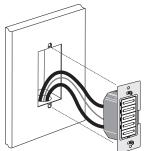**NOTE:** Maximum wire length from timer switch to last Wired Switch Companion is 300 ft (90 m).
- Green or bare copper wire in wallbox to Green terminal screw.
- Load wallbox wire identified (tagged) when removing old switch to First Traveler **(note color as above)**.
- Second Traveler wallbox wire **(note color as above)** to terminal screw marked "YL/RD." This traveler from the Wired Switch Companion must go to the Yellow/Red lead of the timer switch.
- Remove White insulating label from terminal screw marked "WH."
- Line Neutral wallbox wire to terminal screw marked "WH."
- **Proceed to Step 5.**

WEB VERSION

Wired Switch Companions (VP0SR-1L)   Timer Switch

Additional Neutral Wire

Black
White
Yellow/Red
Red
Green

BK - Black
WH - White
YL/RD - Yellow/Red
RD - Red

Wired Switch Companions (VP0SR-1L)   Timer Switch

Hot (Black)

WH
BK

Green Ground
YL/RD

WH
BK
Green Ground
RD
YL/RD

BK - Black
WH - White
YL/RD - Yellow/Red
RD - Red

Black

Load

White

Line 120VAC, 60Hz

Neutral (White)

NOTE: The timer switch **must** be installed in a wallbox that has a Load connection. The Wired Switch Companions (VP0SR-1L) **must** be installed in a wallbox with a Line Hot connection and a Neutral connection. A Neutral wire to the Wired Switch Companion (VP0SR-1L) needs to be added as shown.

If you are unsure about any part of these instructions, consult an electrician.

NOTE: Maximum wire length from timer switch to all installed Wire Switch Companion devices cannot exceed 300 ft (90 m).

WIRING WIRED SWITCH COMPANIONS (VP0SR-1L) (wallbox with Line Hot connection):
Connect wires per WIRING DIAGRAM as follows:
• Green or bare copper wire in wallbox to Green terminal screw.
• Line Hot (common) wallbox wire identified (tagged) when removing old switch and First Traveler to wired switch companion screw marked "BK."
• Second Traveler wallbox wire to wired switch companion terminal screw marked "YL/RD" **(note wire color)**. This traveler from the wired switch companion must go to the Yellow/Red lead on the timer switch.
• Line Neutral wallbox wire to wired switch companion terminal screw marked "WH."

WIRING TIMER SWITCH (wallbox with Load connection):
Connect wires per WIRING DIAGRAM as follows:
• Green or bare copper wire in wallbox to Green lead.
• Load wallbox wire identified (tagged) when removing old switch to Red lead.
• First Traveler Line Hot to Black lead.
• Remove Red insulating label from Yellow/Red lead.
• Second Traveler wallbox wire **(note color as above)** to Yellow/Red lead. This traveler from the timer switch must go to the terminal screw on the wired switch companion marked "YL/RD."
• Line Neutral wallbox wire to White lead.
• **Proceed to Step 5.**

Step 5 **Testing your Timer Switch prior to mounting in wallbox:**

• Position all wires to provide room in outlet wallbox for device.
• Ensure that the word "TOP" is facing up on device strap.
• Partially screw in mounting screws in wallbox 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 any timer button to turn the load ON.
   If the load does not turn ON, refer to the TROUBLESHOOTING section.

Step 6 **Timer Switch mounting:**
TURN OFF POWER AT CIRCUIT BREAKER OR FUSE.

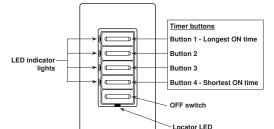Installation may now be completed by tightening mounting screws into wallbox. Attach wallplate.

Step 7 **Restore power:**
Restore power at circuit breaker or fuse.
Installation is complete.

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 another model.

NOTE: LTB02, LTB04 and LTB12 are not programmable as a 2, 4, or 12- hour timer respectively, but can be programmed to function as any of the other timers.

LED indicator lights

Timer buttons
Button 1 - Longest ON time
Button 2
Button 3
Button 4 - Shortest ON time
OFF switch
Locator LED

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 time 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 press and hold the top button for several seconds. The locator LED 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 time outs on your timer without buying a new device.

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

Timer Switch Number	Buttons	Time outs
LTB02	1 (top timer button)	15m, 30m, 1hr, 2hr
LTB04 (special order only)	1 (top timer button)	30m, 1hr, 2hr, 4hr
LTB12	1 (top timer button)	2, 4, 8, 12 hours
LTB60	2	10, 20, 30, 60 minutes
LTB30	3	5, 10, 15, 30 minutes
LTB15	4 (bottom timer button)	2, 5,10,15 minutes
N/A	5 - OFF button	N/A

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

To select different ON times please follow the subsequent steps:
1. Press and hold the first and third timer buttons simultaneously to enter Select Timer Mode.
2. The timer's indicator LED will turn AMBER. Continue to hold until the indicator LED and the current selected mode start flashing GREEN.
3. Press button (from the table above) that corresponds with the time outs you desire and it will then start flashing GREEN.
4. Pressing OFF will save programming, exit Programming Mode, and turn timer off.
   NOTE: 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 or OFF from any of the Decora Wired Switch Companion locations. The default ON time when a wired switch companion is pressed to turn the load ON will be the last countdown time chosen. The timer can be controlled from up to 10 locations using wired switch companion (VP0SR-10) or up to 5 locations using wired switch companions (VP0SR-1L).

TROUBLESHOOTING

• **Intermittent operation**
   - Load has a bad connection.
   - Wires are not secured firmly to leads of timer switch and terminals of the Wired Switch Companion.

• **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.

• **Wired Switch Companion does not operate load**
   - Ensure that total wire length does not exceed 300 ft (90 m).
   - Ensure that a Neutral wire is used with Wired Switch Companion.

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

WEB VERSION