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› [ECOELER](#) /

› ECOELER YWT102 4-Hour Countdown Timer Switch User Manual

ECOELER YWT102

ECOELER YWT102 4-Hour Countdown Timer Switch

User Manual

INTRODUCTION

Thank you for choosing the ECOELER YWT102 4-Hour Countdown Timer Switch. This device is designed to provide convenient and energy-efficient control over your lights, fans, and other household appliances by automatically turning them off after a set period. Please read this manual thoroughly before installation and operation to ensure proper use and safety.

PRODUCT FEATURES

- **8 Pre-Set Countdown Options:** Select from 1 min, 5 mins, 10 mins, 15 mins, 30 mins, 60 mins, 2 hours, or 4 hours.
- **Manual ON/OFF Override:** Easily override any countdown setting for instant control.
- **Energy Saving:** Automatically turns off connected loads, preventing accidental energy waste.
- **Simple Operation:** Features a Countdown mode and a Constant On mode.
- **LED Indicator:** A blue LED light indicates the selected time and makes the switch easy to locate in the dark.
- **Wide Application:** Suitable for lights, ceiling fans, bathroom fans, and heaters in various rooms like bathrooms, closets, pantries, garages, and laundry rooms.
- **Safety Certifications:** ETL listed, supporting LED/CFL, Incandescent (800W), Fluorescent (1200VA) light bulbs, and motors (1/2 HP).

PRODUCT FEATURES

LED Indicator

1/5/10/15/30mins, 1/2/4hrs,
more selections than others.

Timer Select Button

Easy to use press button
adjusting timer setting.

Manual ON/OFF

1. Press ON once to begin
the last timer setting.

2. Hold on for 3 seconds
to override the timer
and keep the load always
on.

*Press any button to start the time countdown.



Image showing the ECOELER Countdown Timer Switch with its LED indicators for time settings and the manual ON/OFF button. The indicators show 1 min, 5 min, 10 min, 15 min, 30 min, 1H, 2H, and 4H options.

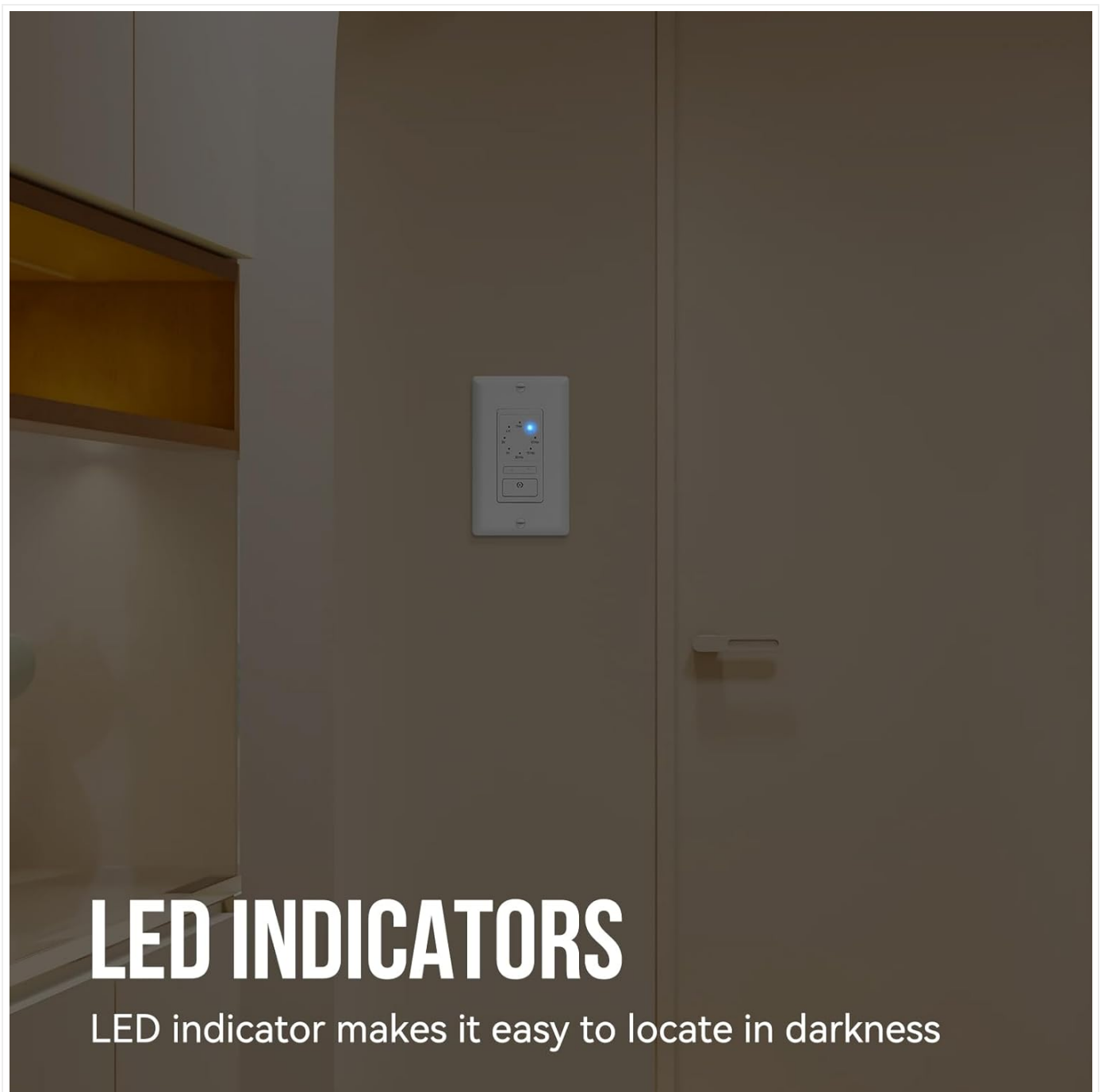
SAFETY INFORMATION

- **WARNING:** To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that the power is off before wiring.
- Install in accordance with all national and local electrical codes.
- Use only with copper or copper clad wire.
- This device requires a neutral wire for operation. If your switch box does not have a neutral wire, this product is not compatible.
- Do not exceed the maximum load ratings: 15A, 120V AC, 60Hz. Incandescent: 800W, Fluorescent: 1200VA, LED/CFL: 600W, Motor: 1/2 HP.

INSTALLATION

Follow these steps carefully for safe and correct installation:

1. **Turn off Power:** Locate the circuit breaker or fuse that controls the switch you are replacing and turn it off. Verify that the power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall plate and switch from the electrical box. Disconnect the wires from the old switch.
3. **Identify Wires:** Identify the following wires in your electrical box:
 - **Load Wire (Red):** Connects to the light or fan.
 - **Hot Wire (Black):** Incoming power from the circuit breaker.
 - **Neutral Wire (White):** Required for this timer switch.
 - **Ground Wire (Green/Bare Copper):** For safety.
4. **Wire the Timer Switch:** Use the provided wire nuts to connect the wires from the electrical box to the corresponding wires on the ECOELER timer switch.
 - Connect the **Red** wire from the timer to the **Load** wire from the box.
 - Connect the **Black** wire from the timer to the **Hot** wire from the box.
 - Connect the **White** wire from the timer to the **Neutral** wire from the box.
 - Connect the **Green** wire from the timer to the **Ground** wire from the box.
5. **Mount the Switch:** Carefully push the wired switch into the electrical box. Secure it with the mounting screws.
6. **Install Wall Plate:** Attach the included wall plate.
7. **Restore Power:** Turn the power back on at the circuit breaker.



LED INDICATORS

LED indicator makes it easy to locate in darkness

Detailed wiring diagram for the timer switch. Note: A neutral wire is required for installation.

OPERATION

The ECOELER YWT102 timer switch offers two primary modes of operation: Countdown Mode and Constant On Mode.

Countdown Mode

This mode allows you to set the connected load to turn off automatically after a specified duration.

1. **Select Time:** Press the "Timer Select Button" (up/down arrows) to cycle through the available countdown options: 1 min, 5 mins, 10 mins, 15 mins, 30 mins, 60 mins, 2 hours, or 4 hours. The corresponding LED indicator will light up.
2. **Start Countdown:** Press the large "Manual ON/OFF" button once. The connected light or fan will turn on, and the countdown will begin. The timer will remember the last selected time for future use.
3. **Cancel Countdown:** To turn off the load before the countdown completes, press the "Manual ON/OFF" button again.

Constant On Mode (Manual Override)

This mode keeps the connected load continuously on, bypassing the countdown timer.

- **Activate Constant On:** With the load off, press and hold the "Manual ON/OFF" button for more than 5 seconds. The load will turn on and remain on indefinitely.
- **Deactivate Constant On:** To turn off the load from Constant On mode, press the "Manual ON/OFF" button once.



The timer switch installed in a bathroom, illustrating its use for controlling exhaust fans or lighting.

SPECIFICATIONS

Feature	Specification
Model Number	YWT102

Feature	Specification
Operation Mode	ON-OFF, Countdown Timer
Current Rating	15 Amps
Operating Voltage	120 Volts (AC)
Wattage	1800 watts
Load Compatibility	Incandescent: 800W, Fluorescent: 1200VA, LED/CFL: 600W, Motor: 1/2 HP
Switch Type	Push Button, Countdown Timer
Mounting Type	Wall Mount
Control Method	Touch
Material	Copper, Metal, Polycarbonate
Item Dimensions (L x W x H)	42 x 37 x 120 millimeters (1.65 x 1.46 x 4.72 inches)
Upper Temperature Rating	50 Degrees Celsius
International Protection Rating	IP40
Certifications	FCC, cETL
Neutral Wire Required	Yes

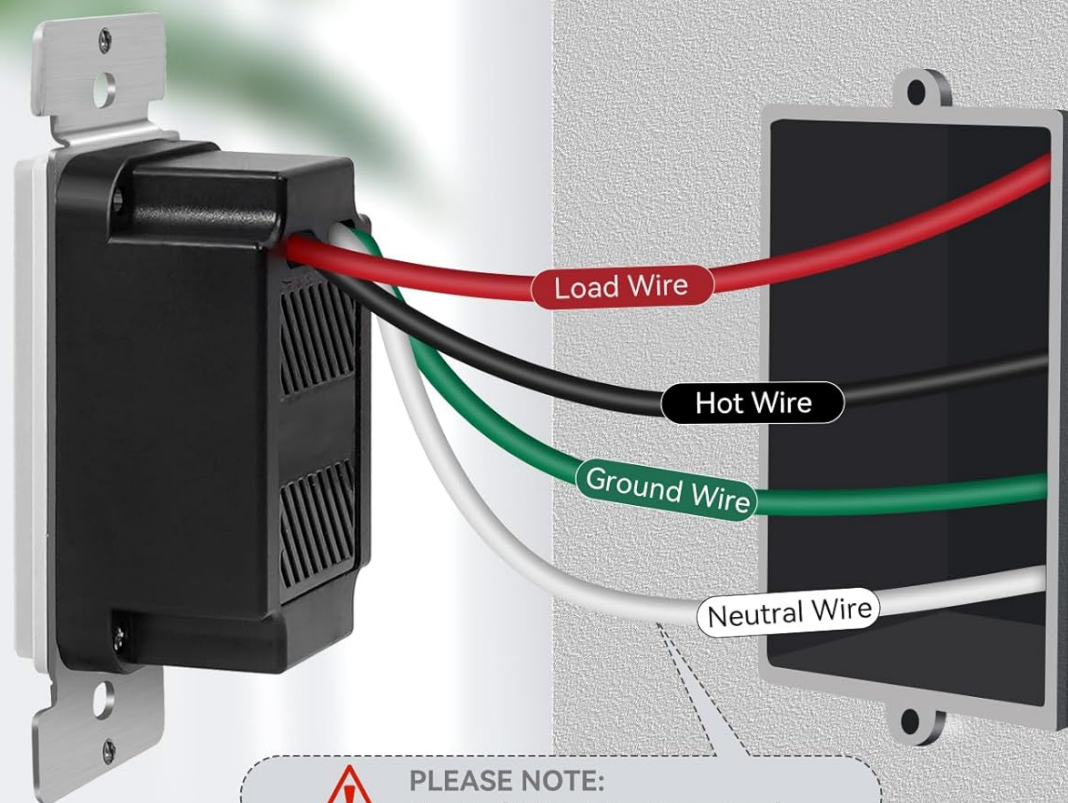
EASY INSTALLATION

600W /120V
LED or CFL Lmap

1200W/120V
Ballast or Tungsten

1200W/120V
Resistive or General Purpose

TV-5
1/2 HP



Physical dimensions of the timer switch and a view of the components included in the package.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Switch does not turn on/off.	• Check if the circuit breaker is tripped. • Ensure all wire connections are secure. • Verify that the neutral wire is correctly connected. • Confirm the load does not exceed the switch's maximum rating.

Problem	Possible Cause / Solution
LED indicators are not lighting up.	• Check power supply to the switch. • Ensure the switch is correctly wired, especially the neutral connection.
Timer does not count down or turns off prematurely.	• Ensure the correct countdown time is selected. • Avoid holding the ON/OFF button for too long, which activates Constant On mode.

MAINTENANCE

The ECOELER YWT102 Countdown Timer Switch requires minimal maintenance. To ensure longevity and proper function:

- **Cleaning:** Wipe the switch and wall plate with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Regular Checks:** Periodically check for any loose connections or signs of wear. If any issues are found, turn off power at the circuit breaker before inspecting.

WARRANTY AND SUPPORT

Warranty: This product comes with a one-year warranty from the date of purchase.

Customer Support: If you have any questions, require assistance, or encounter issues with your ECOELER Countdown Timer Switch, please contact ECOELER ELECTRIC INC customer support.

Email: SUPPORTS@ECOELER.COM

