ECOELER YWT102

ECOELER YWT102 Countdown Timer Switch User Manual

MODEL: YWT102

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ECOELER YWT102 Countdown Timer Switch. This in-wall timer switch is designed to automatically turn off connected loads such as lights, ceiling fans, bathroom fans, and heaters after a preset time, contributing to energy savings and convenience. It features multiple preset countdown options and a manual override function.

Image: The ECOELER Countdown Timer Switch in Ivory, shown as a 2-pack.

Product Features

- **8 Pre-Set Options:** Offers countdown settings of 1 minute, 5 minutes, 10 minutes, 15 minutes, 30 minutes, 60 minutes, 2 hours, or 4 hours.

- **Manual Override:** Allows instant ON/OFF control, overriding any active countdown.

- **Energy Saving:** Automatically turns off loads, preventing accidental energy waste. Ideal for lights, ceiling fans, bathroom fans, and heaters.

- **Simple Operation:** Features Countdown mode and Constant On mode. Select time with a button press; hold ON/OFF for 5 seconds to activate Constant On.

- **LED Indicator:** An always-on LED light makes the switch easy to locate in low-light conditions.

- **Wide Application:** Suitable for bathrooms, closets, pantries, garages, laundry rooms, spas, and enclosed patios.

- **Safe & Reliable:** 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 alway on.
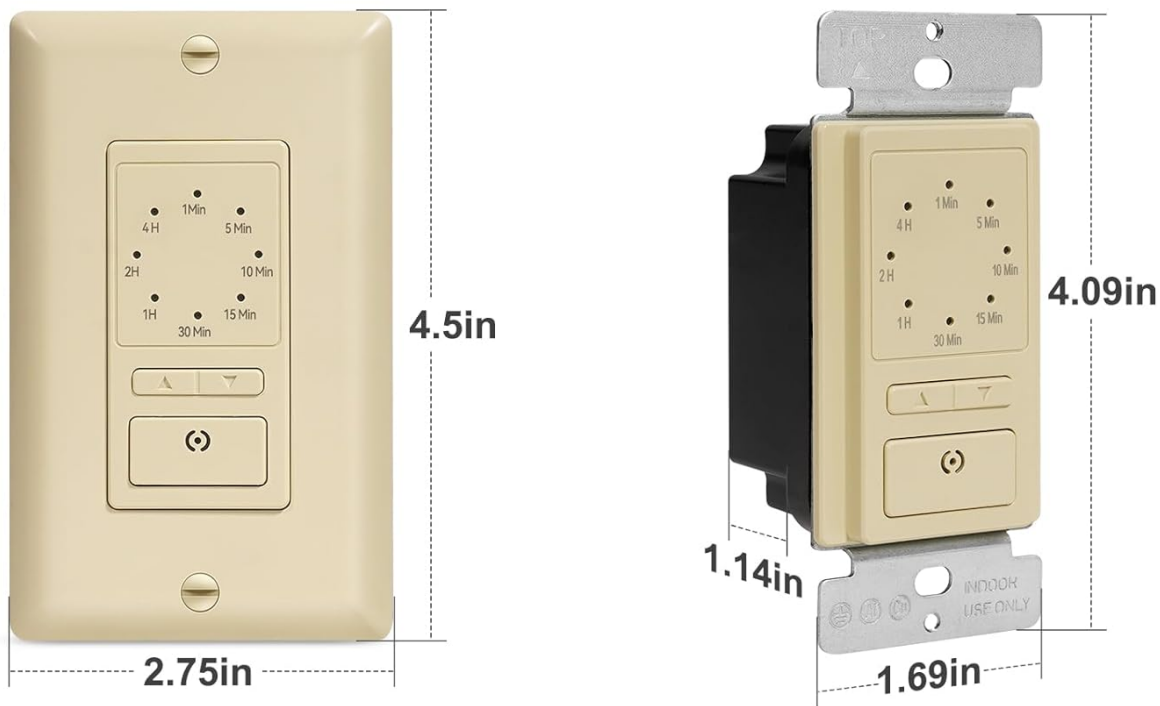
*Press any button to start the time countdown.

Image: Detailed view of the ECOELER Countdown Timer Switch buttons and LED indicator labels, highlighting its features.

Package Contents

Upon opening your ECOELER Countdown Timer Switch package, you should find the following items:

- ECOELER YWT102 Countdown Timer Switch
- Matching Wall Plate
- Wire Nuts
- Installation Instructions Manual

DIMENSIONS

4.5in

2.75in

4.09in

1.14in

1.69in

1 Min
4 H   5 Min
2 H   10 Min
1 H   15 Min
30 Min

WIRE NUTS

TIMER SWITCH

FREE PLATE

Image: The ECOELER Countdown Timer Switch, wire nuts, and face plate, along with product dimensions.

Safety Information

WARNING: To prevent serious injury or death from electric shock, always turn OFF the power at the circuit breaker or fuse box before wiring. This device is intended for installation in accordance with the National Electric Code and local regulations. Use copper wires only. If you are unsure about any part of these instructions, consult a qualified electrician.

Specifications

Specification	Value
Brand	ECOELER
Model Number	YWT102
Colour	Ivory

Product Dimensions	4.19 x 3.71 x 11.99 cm
Power/Wattage	1800 watts
Material	Copper, Metal, Polycarbonate
Item Weight	136 g
Operation Mode	ON-OFF
Current Rating	15 Amps
Operating Voltage	120 Volts (AC)
Contact Type	Normally Open
Switch Type	Push Button
Terminal	Wiring Lead

Installation

Follow these steps carefully to install your ECOELER Countdown Timer Switch. If you are not comfortable performing electrical work, please consult a qualified electrician.

Pre-Installation

1. **Turn off Power:** Locate your circuit breaker panel and turn off the power to the switch box where you will be installing the timer. Verify that the power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the screws holding the existing wall plate and switch. Gently pull the switch out of the wall box.
3. **Identify Wires:** Identify the wires connected to your existing switch. Typically, you will find:

   - **Hot Wire:** Usually black, brings power from the circuit breaker.
   - **Load Wire:** Usually black or red, carries power to the light/fan.
   - **Neutral Wire:** Usually white. **A neutral wire is required for this timer switch.**
   - **Ground Wire:** Usually green or bare copper.

Wiring Connections

Connect the wires from the wall box to the ECOELER Countdown Timer Switch as follows:

EASY INSTALLATION

| 600W /120V | 1200W/120V | 1200W/120V | TV-5 |
| LED or CFL Lmap | Ballast or Tungsten | Resistive or General Purpose | 1/2 HP |

Load Wire

Hot Wire

Ground Wire

Neutral Wire

⚠ **PLEASE NOTE:**
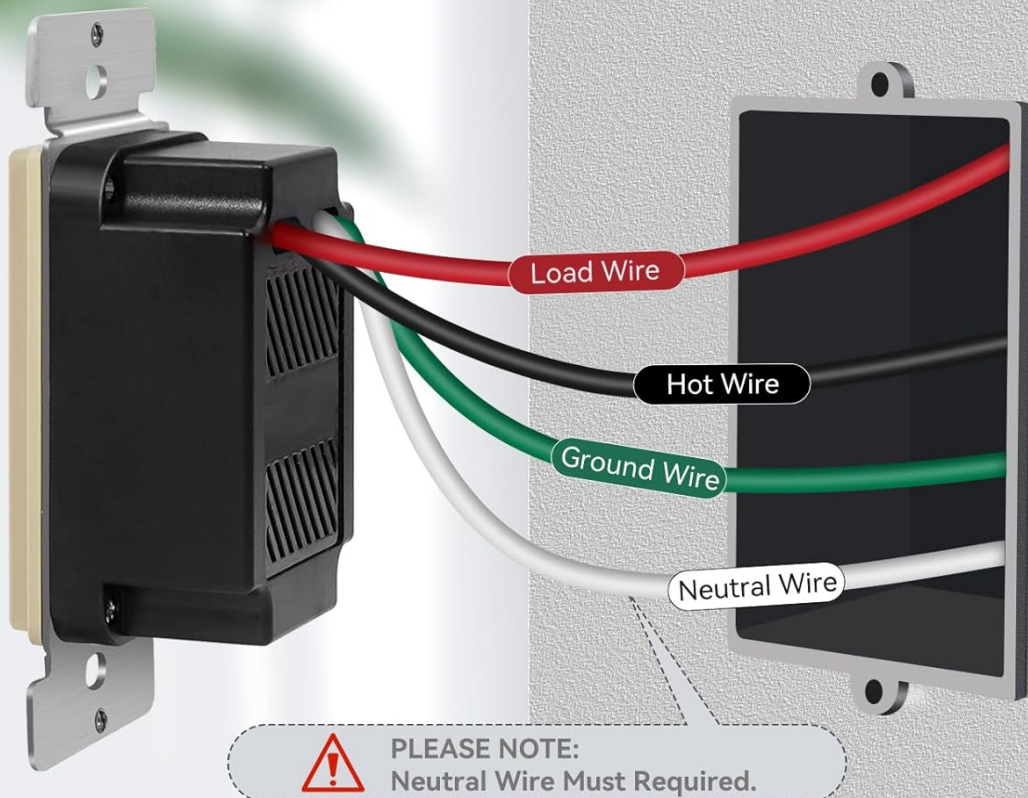**Neutral Wire Must Required.**

Image: Wiring diagram for the ECOELER Countdown Timer Switch, illustrating connections for Load (Red), Hot (Black), Ground (Green), and Neutral (White) wires. Note: Neutral Wire Must Be Required.

1. Connect the **Red wire** from the timer to the **Load wire** from the wall box using a wire nut.

2. Connect the **Black wire** from the timer to the **Hot wire** from the wall box using a wire nut.

3. Connect the **White wire** from the timer to the **Neutral wire** from the wall box using a wire nut.

4. Connect the **Green wire** from the timer to the **Ground wire** from the wall box using a wire nut.

Post-Installation

1. Carefully push all wires back into the wall box.

2. Secure the timer switch to the wall box with the provided screws.

3. Attach the new wall plate over the timer switch.

4. **Restore Power:** Return to your circuit breaker panel and turn the power back ON.

Operating Instructions

The ECOELER Countdown Timer Switch offers two primary operating modes: Countdown Mode and Constant On Mode.

Countdown Mode

To activate a countdown:

1. Press the desired time button (1 Min, 5 Min, 10 Min, 15 Min, 30 Min, 60 Min, 2 Hour, or 4 Hour).
2. The corresponding LED indicator will illuminate, and the countdown will begin.
3. The connected load (light, fan, etc.) will turn off automatically once the selected time expires.
4. To cancel a countdown manually, press the large ON/OFF button at the bottom.

Constant On Mode (Manual Override)

To keep the connected load continuously ON, bypassing the timer function:

1. Press and hold the large ON/OFF button at the bottom for more than 5 seconds.
2. The load will remain ON until the ON/OFF button is pressed again to turn it off.

LED INDICATORS
LED indicator makes it easy to locate in darkness

Image: The ECOELER Countdown Timer Switch with its LED indicator illuminated, making it visible in a dark environment.

Maintenance

The ECOELER Countdown Timer Switch requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the switch and wall plate clean by wiping with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Ensure the switch is not exposed to excessive moisture or extreme temperatures.
- Periodically check the connections for any signs of loosening, though this should only be done with the power turned off at the circuit breaker.

Troubleshooting

If you encounter issues with your ECOELER Countdown Timer Switch, consider the following:

- **Switch Not Responding:** Ensure the power is ON at the circuit breaker. Check all wire connections for tightness.
- **Load Not Turning Off:** Verify that the switch is not in Constant On mode (manual override). If it is, press the ON/OFF button to turn it off.
- **LED Indicator Not Lighting Up:** Check power supply and connections. If the switch is functioning otherwise, the LED might be faulty, but this is rare.
- **Intermittent Operation:** Ensure all wire connections are secure. Loose connections can cause inconsistent performance.

If problems persist after checking these points, please contact customer support.
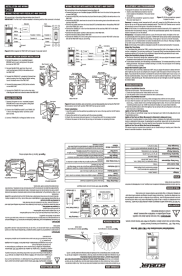
Warranty and Support

The ECOELER Countdown Timer Switch comes with a **1-year warranty**. For any questions, technical assistance, or warranty claims, please contact ECOELER customer support. You can reach us via email at SUPPORTS@ECOELER.COM. We aim to respond to all inquiries within 24 hours.

Manufacturer: ECOELER ELECTRIC INC

Related Documents - YWT102

[ECOELER YM2108T Motion Sensor Light Switch Installation and User Manual](#)

Comprehensive guide for installing, wiring, adjusting, and troubleshooting the ECOELER YM2108T motion sensor light switch. Features include PIR detection, time delay, and lux level settings.