

## Fosmon HD8200

# Fosmon Countdown Light Timer Switch User Manual

Model: HD8200

## INTRODUCTION

The Fosmon Countdown Light Timer Switch (Model HD8200) is an in-wall programmable timer designed to automatically turn off connected devices after a pre-set duration. It offers 9 distinct time settings, ranging from 5 minutes to 4 hours, providing convenience and energy savings for various applications such as bathroom fans, heaters, and lighting.

This manual provides detailed instructions for the safe installation, operation, maintenance, and troubleshooting of your timer switch. Please read it thoroughly before installation and retain it for future reference.



Figure 1: Front view of the Fosmon Countdown Light Timer Switch.

## 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. Installation should be performed by a qualified electrician or a person with a thorough understanding of electrical wiring.

- Always disconnect power before installing or servicing the switch.
- This device requires a neutral wire for proper operation. Ensure your electrical box has a neutral wire available.
- Do not exceed the maximum electrical ratings of 125VAC, 15A, 1875W General Purpose, 1000W Tungsten,

500VA Electronic Ballast, 1/2HP.

- Ensure all wire connections are secure and properly insulated.
- This product is intended for indoor use only.

The safety of this product is certified with UL E211835.

### PACKAGE CONTENTS

- Fosmon Countdown Light Timer Switch (HD8200)
- Single Gang Wall Plate
- Wire Nuts
- Mounting Screws
- Instruction Manual

### SPECIFICATIONS

Feature	Detail
Model Number	HD8200
Operation Mode	Manual
Current Rating	15 Amps
Operating Voltage	125 Volts AC
Maximum Load	1875W General Purpose, 1000W Tungsten, 500VA Electronic Ballast, 1/2HP
Contact Type	Normally Closed
Connector Type	Screw
Circuit Type	1-way
Actuator Type	Push Button
Contact Material	Copper, Brass
Certifications	UL E211835, ETL Listed
Dimensions	5.12 x 3.9 x 2.52 inches
Weight	5.61 ounces

### SETUP AND INSTALLATION

Before beginning installation, ensure you have the necessary tools: screwdriver, wire strippers, electrical tape, and voltage tester.

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the power to the switch you are replacing or the location where you intend to install the new timer switch. Turn off the power completely and verify with a voltage tester that the power is off before proceeding.
2. **Remove Old Switch (if applicable):** Carefully remove the existing wall plate and unscrew the old switch from the electrical box. Disconnect the wires from the old switch, noting which wire was connected to which terminal

(Line, Load, Neutral, Ground).

### 3. Identify Wires:

- **Line Wire (Hot):** Typically black, carries power from the circuit breaker.
- **Load Wire:** Typically black, carries power to the light fixture or appliance.
- **Neutral Wire:** Typically white, required for this timer switch.
- **Ground Wire:** Typically bare copper or green.



Figure 2: Wiring diagram for the Fosmon Countdown Light Timer Switch. Note the required neutral wire connection.

### 4. Wire the New Switch:

- Connect the **Line (Hot)** wire from the wall box to the terminal labeled "L-I" or "Hot" on the timer switch.
- Connect the **Load** wire from the wall box to the terminal labeled "L-O" or "Load" on the timer switch.
- Connect the **Neutral** wire from the wall box to the terminal labeled "N" on the timer switch. Use a wire

nut if connecting multiple neutral wires.

- Connect the **Ground** wire from the wall box to the green ground screw on the timer switch.

Ensure all connections are tight and secure. Push any excess wire carefully back into the electrical box.

5. **Mount the Switch:** Secure the timer switch into the electrical box using the provided mounting screws.
6. **Install Wall Plate:** Attach the included single gang wall plate over the switch.
7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.
8. **Test Operation:** Test the timer switch to ensure it functions correctly.

The timer switch is designed for universal compatibility and fits into standard single or multiple gang outlet boxes. Only one single gang cover plate is included with the product.



Figure 3: The timer switch is compatible with various gang box configurations.

## OPERATING INSTRUCTIONS

The Fosmon Countdown Light Timer Switch features a single illuminated button and a series of LED indicators for easy operation.

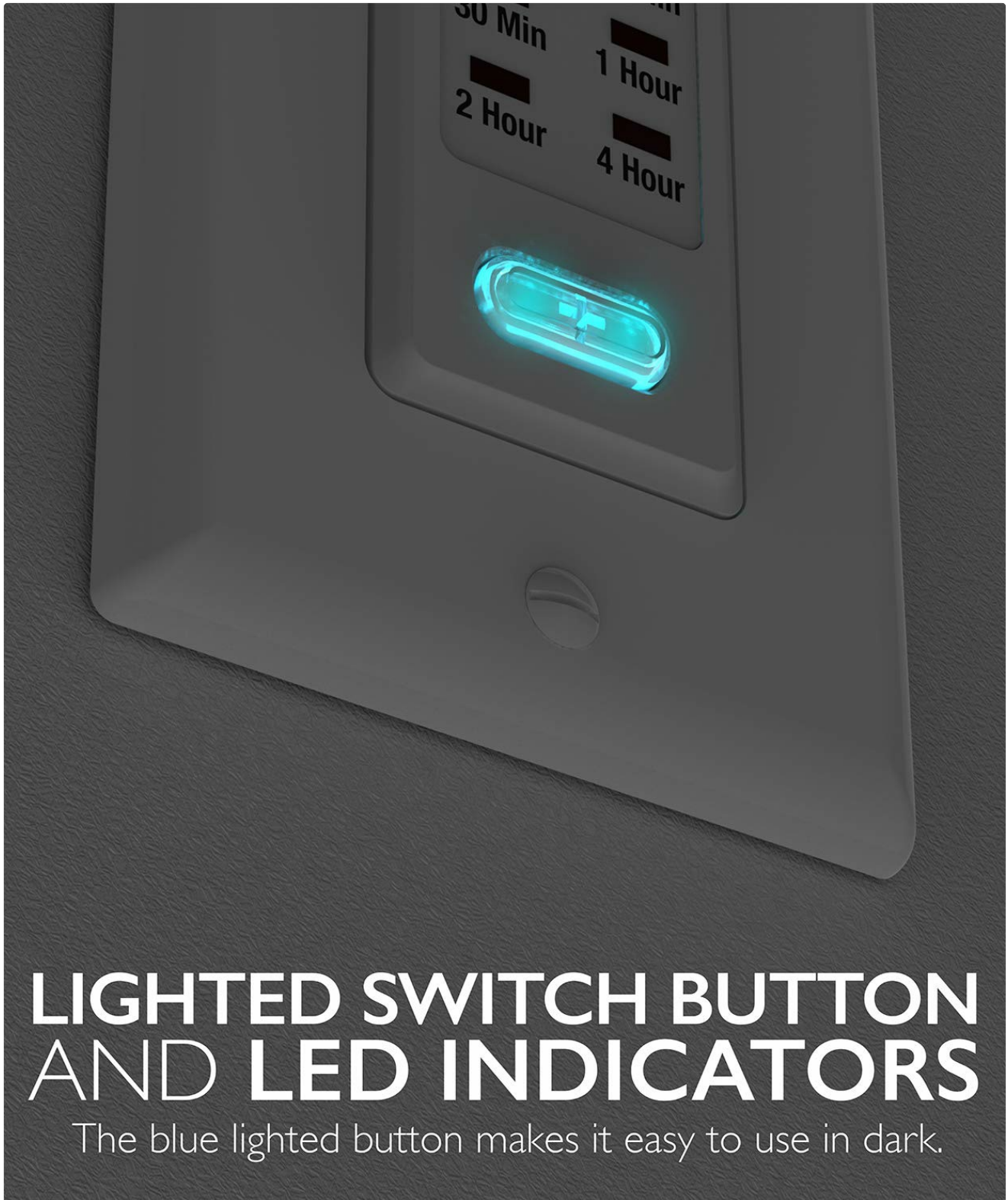


Figure 4: Illuminated button and LED indicators for timer settings.

1. **Activating the Timer:** Press the large illuminated button at the bottom of the switch. Each press will cycle through the available countdown settings.
2. **Selecting a Time Setting:** The switch offers 9 pre-set options: 5 minutes, 10 minutes, 15 minutes, 20 minutes,



30 minutes, 1 hour, 2 hours, 4 hours, and OFF. Continue pressing the button until the red LED indicator next to your desired time setting illuminates.

3. **Countdown Indication:** Once a time setting is selected, the red LED for that setting will remain lit. As the countdown progresses, the illuminated LED will shift to the next lower time interval, providing a visual indication of the remaining time. For example, if set to 30 minutes, the 30-minute LED will be lit. When 15 minutes remain, the 15-minute LED will light up, and so on.
4. **Automatic Shut-off:** The connected device will automatically turn off once the selected countdown period expires.
5. **Manual Override/Turn Off:** To turn off the device before the countdown completes, repeatedly press the button until the "OFF" setting is reached, or press and hold the button for approximately 2 seconds.



# 8 COUNTDOWN TIMER AND OFF FUNCTIONS

5/10/15/20/30 minutes, 1/2/4 hrs, More selections than others. Save energy and money.

Figure 5: The timer offers 8 distinct countdown intervals plus an OFF setting.

The blue illuminated button provides visibility and ease of use even in dark environments.



# MULTIFUNCTIONAL TIMER SWITCH

Bedroom lights/fans, Bathroom exhaust fans,  
Porch/Deck lights, Decoration lights

Figure 6: Examples of the timer switch's versatile applications in a home environment.

## MAINTENANCE

The Fosmon Countdown Light Timer Switch requires minimal maintenance.

- **Cleaning:** To clean the switch and wall plate, wipe with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the finish or internal components. Ensure power is off before cleaning.



- **Inspection:** Periodically inspect the switch for any signs of damage, loose connections, or wear. If any issues are found, turn off power immediately and consult a qualified electrician.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch does not turn on or respond.	No power to the switch; loose wiring; incorrect wiring.	Check circuit breaker/fuse. Ensure power is restored. Verify all wire connections are secure. Re-check wiring against the diagram, especially Line, Load, and Neutral connections.
Connected device does not turn off after selected time.	Incorrect wiring (Load wire not properly connected); internal malfunction.	Turn off power and re-check Load wire connection. If wiring is correct, the unit may be faulty; contact customer support.
LED indicators are not lighting up.	No power; internal malfunction.	Ensure power is on. If power is present and the switch is not responding, contact customer support.
Switch feels warm to the touch.	Overload; loose connection.	Ensure the connected load does not exceed the switch's maximum ratings (1875W, 15A). Turn off power and check for loose wire connections. If the issue persists, discontinue use and contact customer support.

For issues not listed above, or if troubleshooting steps do not resolve the problem, please contact Fosmon Customer Support.

## WARRANTY AND SUPPORT

**Limited Lifetime Warranty:** Fosmon stands behind the quality of its products. This product is covered by a limited lifetime warranty. For details regarding the warranty policy, please refer to the warranty information provided with your purchase or visit the official Fosmon website.

**Customer Support:** For technical assistance, warranty claims, or general inquiries, please contact Fosmon Customer Service. Our experienced and dedicated USA-based customer service team is available to assist you.

**Contact Information:**

**Website:** [www.fosmon.com](http://www.fosmon.com)

**Email:** Refer to website for contact form or email address.

**Phone:** Refer to website for phone support hours and number.

Please have your product model number (HD8200) and purchase information ready when contacting support.