UltraPro 40954

UltraPro Daysmart 7-Day Digital In-Wall Timer (Model 40954)

Instruction Manual

INTRODUCTION

The UltraPro Daysmart 7-Day In-Wall Digital Timer provides automated control for hardwired lighting. This timer is designed for varied routines, allowing multiple scheduled events throughout the day. It is compatible with LED, CFL, incandescent, and halogen bulbs, making it suitable for various lighting applications such as porch lights, lamps, and seasonal lighting. The device features Daysmart technology, which automatically adjusts lighting times based on local sunrise and sunset.

Image: UltraPro Daysmart 7-Day Digital In-Wall Timer installed in a modern kitchen, demonstrating its seamless integration and functionality.

PRODUCT FEATURES

- **Daysmart Technology:** Automatically adjusts lighting times based on sunrise and sunset in your region.
- **Concealed Buttons:** A convenient door in white and light almond conceals programming buttons and functions as an ON/OFF switch.
- **7-Day Cycle:** Provides consistent control every day of the week.
- **Versatile Compatibility:** Replaces single-pole or three-way switches to control LED, CFL, incandescent, and halogen bulbs, and other fixtures.
- **Large LCD Display:** Offers easy viewing of settings and time.

Patented Door
Opens to reveal
program buttons

ON/OFF
Wall Switch
wallplate not included

CLOCK   SET   COUNTDOWN

EVENING
ON/OFF   🌇 - 12AM
ON
TIME
SUNSET   SUNRISE
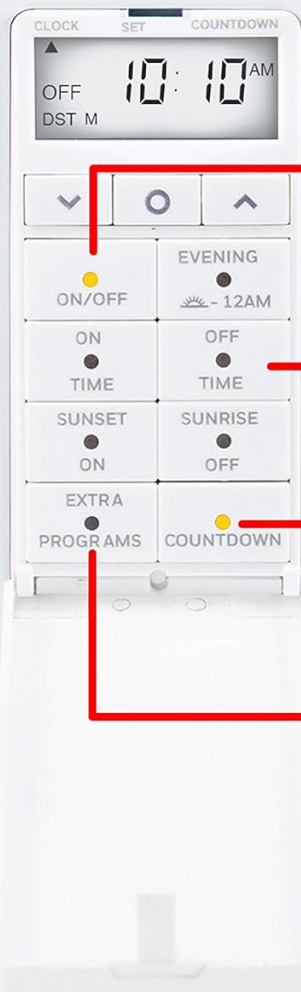ON   OFF
EXTRA
PROGRAMS   COUNTDOWN

Image: The UltraPro Daysmart Timer with its patented hinged door open, displaying the LCD screen and programming buttons.

Image: A detailed view of the UltraPro Daysmart Timer's control panel, highlighting the ON/OFF override button, programmable ON/OFF buttons, amber LED indicator lights, and options for 7 additional programs.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power at the circuit breaker or fuse box before installation. All wiring must be performed in accordance with national and local electrical codes. If you are unsure about any part of these instructions, consult a qualified electrician.

- Suitable for indoor use only.
- Operating temperature: 32-104°F (0-40°C).
- Do not exceed electrical ratings: 120VAC, 60Hz, 15A General/Resistive, 1200W Tungsten, 1/2HP Motor.

PACKAGE CONTENTS

- 1 x UltraPro Daysmart 7-Day Digital In-Wall Timer
- 1 x White Door (pre-installed)

- 1 x Light Almond Door (replacement)
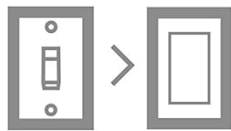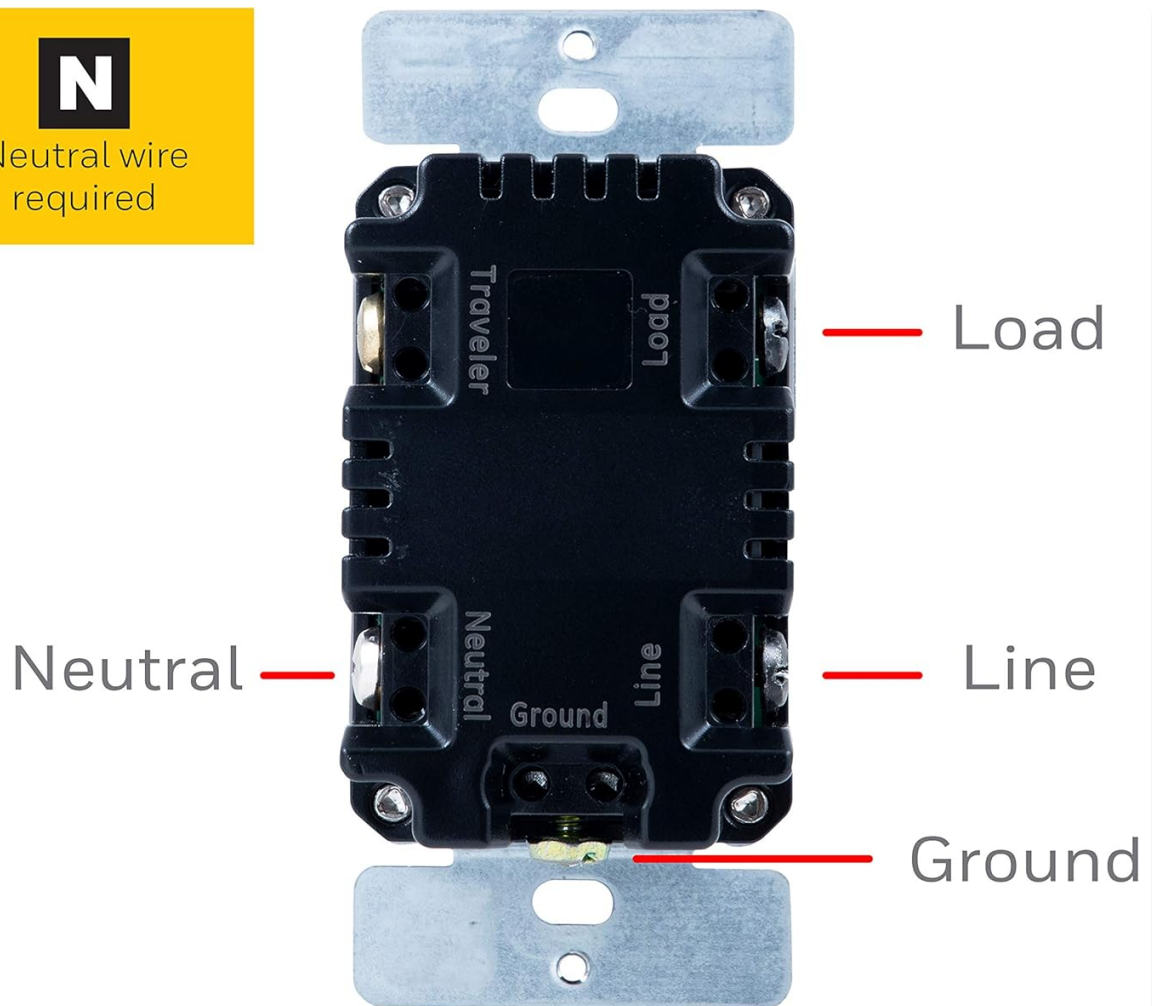- 1 x Jumper Wire
- Mounting Screws

INSTALLATION

Before beginning installation, ensure power is disconnected at the circuit breaker. This timer requires a neutral wire for proper operation. Refer to the wiring diagram below and consult a qualified electrician if needed.
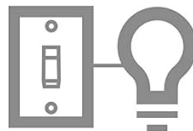
1. **Turn Off Power:** Locate the circuit breaker controlling the switch you are replacing and turn off the power. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Unscrew and carefully remove the wall plate and the existing switch from the electrical box. Do not disconnect any wires yet.
3. **Identify Wires:** Identify the Line (hot), Load, Neutral, and Ground wires. The Line wire connects to power, the Load wire connects to the lighting fixture, the Neutral wire is typically white, and the Ground wire is typically green or bare copper. Label each wire for easy identification.
4. **Disconnect Wires:** Disconnect the wires from the old switch.
5. **Connect Ground Wire:** Connect the green or bare copper ground wire from the electrical box to the green ground terminal on the timer.
6. **Connect Neutral Wire:** Connect one end of the provided white jumper wire to the bundle of neutral wires in the electrical box using a wire nut. Secure the other end of the jumper to the neutral terminal on the timer.
7. **Connect Load Wire:** Connect the black load wire from the electrical box to the load terminal on the timer.
8. **Connect Line Wire:** Connect the black line (hot) wire from the electrical box to the line terminal on the timer.
9. **Three-Way Installation (if applicable):** If installing in a three-way setup, connect the traveler wire to the traveler terminal on the timer.
10. **Mount Timer:** Carefully push the wired timer back into the electrical box, ensuring no wires are pinched. Secure the timer using the supplied screws.
11. **Install Wall Plate:** Reinstall the wall plate.
12. **Restore Power:** Turn the power back on at the circuit breaker.

Image: Detailed wiring diagram for the UltraPro Daysmart In-Wall Timer, illustrating connections for Load, Traveler, Neutral, Line, and Ground wires. A neutral wire is required for installation.

Your browser does not support the video tag.

Video: Official instruction video from Jasco Products Company demonstrating the installation and programming of the UltraPro Daysmart 7-Day Digital In-Wall Timer.

INITIAL SETUP

After installation and restoring power, the timer's LCD display will activate. You will need to set the current time, date, and your time zone.

1. **Reset Timer:** Open the hinged door to access the programming buttons. Use a non-metallic pointed object (like a toothpick) to press the 'RESET' button located at the bottom of the control panel. This clears all previous settings.

2. **Set Current Time:** The time will flash on the display. Use the UP/DOWN arrow buttons to adjust the hour and minutes. Press 'SET' to confirm.

3. **Set Date:** The year, month, and day will flash. Use the UP/DOWN arrow buttons to adjust each value, pressing 'SET' after each to confirm.

4. **Select Time Zone:** The display will show 'ZONE'. Use the UP/DOWN arrow buttons to select your time zone (e.g., EST, CST, MST, PST). Press 'SET' to confirm.

5. **Daylight Saving Time (DST):** The display will show 'DST'. Use the UP/DOWN arrow buttons to select 'ON' or 'OFF' for automatic daylight saving time adjustments. Press 'SET' to confirm.
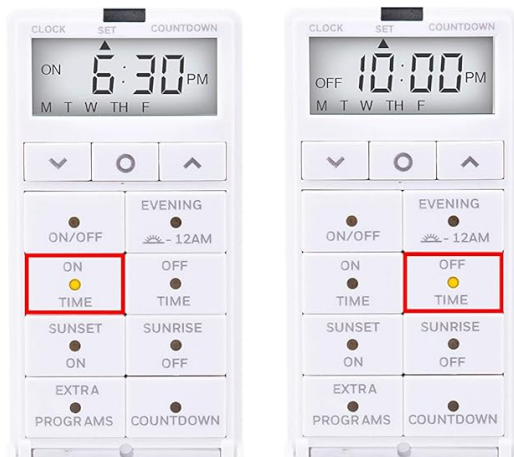
PROGRAMMING SCHEDULES

The timer allows for custom ON/OFF schedules, including sunrise/sunset based programming and up to 7 additional programs.

Custom ON/OFF Times

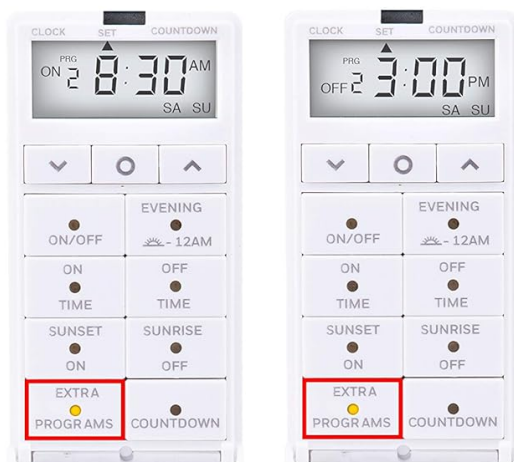You can set specific ON and OFF times for any day or combination of days of the week.

1. **Set ON Time:** Press the 'ON TIME' button. The time will flash. Use the UP/DOWN arrows to set the desired ON time. Press 'SET' to confirm.

2. **Select Days for ON Time:** The days of the week will flash. Use the UP/DOWN arrows to select the days you want this ON time to be active (e.g., M-F, S-S, or individual days). Press 'SET' to confirm.

3. **Set OFF Time:** Press the 'OFF TIME' button. The time will flash. Use the UP/DOWN arrows to set the desired OFF time. Press 'SET' to confirm.

4. **Select Days for OFF Time:** The days of the week will flash. Use the UP/DOWN arrows to select the days you want this OFF time to be active. Press 'SET' to confirm.

8 Custom ON/OFF Times

Custom ON/OFF Time

Mon.-Fri.
ON at 6:30 P.M.
OFF at 10:00 P.M.

Extra Programs

Sat.-Sun.
ON at 8:30 A.M.
OFF at 3:00 P.M.

Image: Examples of custom ON/OFF time settings for weekdays and weekends on the UltraPro Daysmart Timer.

Sunrise/Sunset Programming

The timer can automatically turn lights ON at sunset and OFF at sunrise based on your selected time zone.

- **Sunset ON:** Press the 'SUNSET ON' button. The light will turn on at sunset.

- **Sunrise OFF:** Press the 'SUNRISE OFF' button. The light will turn off at sunrise.

- **Evening Preset:** Press the 'EVENING' button for a preset that turns lights ON at sunset and OFF at 12 AM.

You can adjust these times by up to one hour earlier or later than the automatically determined sunrise/sunset times by pressing the respective ON/OFF TIME buttons and adjusting.

Extra Programs

The timer supports up to 7 additional custom programs. To access and set these:

1. Press the 'EXTRA PROGRAMS' button repeatedly to cycle through programs 1-7.

2. Once you select a program (e.g., 'ON PRG 1'), follow the steps for 'Custom ON/OFF Times' to set the desired schedule for that program.

OPERATING INSTRUCTIONS

Manual ON/OFF Override

To manually turn the connected light ON or OFF at any time, simply press the large rocker switch on the timer's face. This will override any active program until the next scheduled ON/OFF event.

Countdown Timer

The countdown feature allows you to turn the light ON for a set duration, after which it will automatically turn OFF.

1. Press the 'COUNTDOWN' button. The display will show a default countdown time.

2. Use the UP/DOWN arrow buttons to adjust the countdown duration from 1 minute up to 24 hours.

3. Once the desired duration is set, the countdown will begin automatically. The light will turn off when the countdown expires.

MAINTENANCE

The UltraPro Daysmart Timer requires minimal maintenance. Keep the device clean by wiping it with a soft, dry cloth. Do not use liquid cleaners or abrasive materials. Ensure the hinged door is closed when not programming to protect the buttons and display.

TROUBLESHOOTING

- **Timer not powering on:** Ensure power is restored at the circuit breaker. Verify all wiring connections are secure, especially the Line and Neutral wires.

- **Lights not turning on/off as scheduled:** Check that the current time, date, and time zone are set correctly. Ensure the desired program is active and the correct days of the week are selected.

- **Lights are always ON/OFF:** This may indicate incorrect Line/Load wiring. Disconnect power and re-check the wiring connections according to the diagram.

- **Display is blank or dim:** Press the 'RESET' button. If the issue persists, ensure power is supplied to the unit.

- **Buttons unresponsive:** Ensure the hinged door is fully open when attempting to program. If unresponsive, try pressing the 'RESET' button.

SPECIFICATIONS

Specification	Value
Model Number	40954
Voltage	120 Volts
Power Source	Hardwire
Switch Type	3-way
Material	Plastic
Color	White
Product Dimensions	1.75"D x 1.75"W x 4.06"H

Item Weight	6.7 ounces (0.42 Pounds)
Number of Settings	8
Mounting Type	Wall Mount
Certification	UL

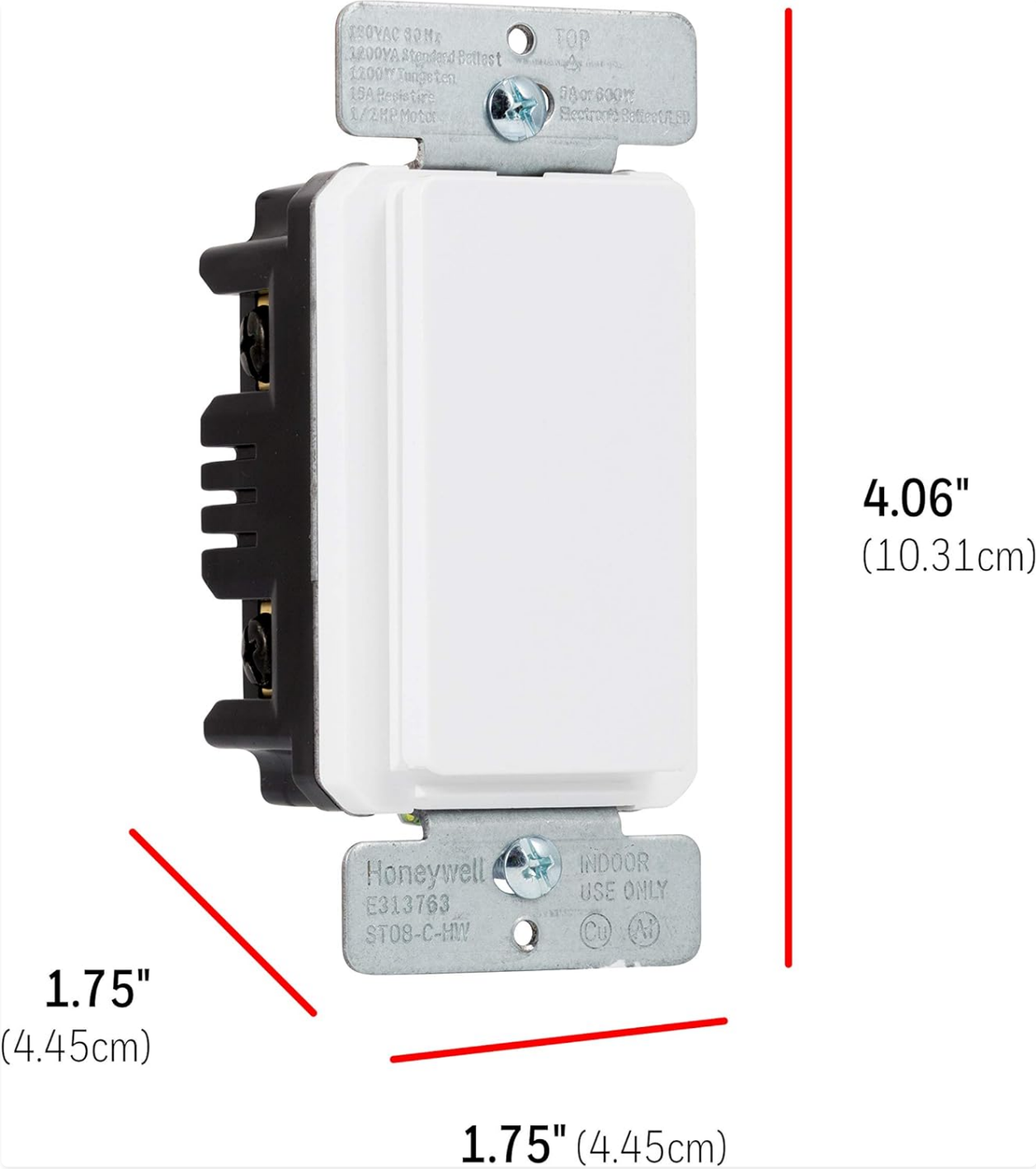4.06" (10.31cm)

1.75" (4.45cm)

1.75" (4.45cm)

Image: Dimensional drawing of the UltraPro Daysmart In-Wall Timer, showing its height of 4.06 inches (10.31 cm) and width/depth of 1.75 inches (4.45 cm).

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or visit the manufacturer's website. You can also scan the QR code provided on the inside of the timer's hinged door for direct access to the manual and support resources.