UltraPro 47941

UltraPro 24-Hour Digital In-Wall Timer Model 47941 Instruction Manual

Model: 47941

1. INTRODUCTION

The UltraPro 24-Hour Digital In-Wall Timer provides automated control for hardwired indoor lighting. This device allows for custom scheduling of ON/OFF times, offering convenience and energy management. It is compatible with LED, CFL, incandescent, and halogen bulbs, and is designed to replace standard single-pole or three-way wall switches.

Key features include:

- Programmable ON/OFF settings for daily control.
- Easy-to-program custom settings, presets, and countdown options.
- A convenient door that conceals programming buttons and functions as an ON/OFF switch.
- A large LCD display for clear viewing of settings and time.

Image 1.1: Two UltraPro 24-Hour Digital In-Wall Timers. This image displays the front view of two timers, highlighting their digital display and control buttons, along with the included white and light almond faceplates.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK.

- Installation must be performed by a qualified electrician or in accordance with local electrical codes.
- Disconnect power at the circuit breaker or fuse box before installing or servicing the timer.
- Ensure all wire connections are secure and properly insulated.
- Do not exceed the electrical ratings of the device.
- This timer is for indoor use only.

3. PACKAGE CONTENTS

- UltraPro 24-Hour Digital In-Wall Timer (quantity as purchased, e.g., 2 timers for a 2-pack)
- White and Light Almond interchangeable doors/faceplates
- Mounting screws

4. SPECIFICATIONS

| Specification	Detail
Brand	UltraPro
Model Number	47941
Material	Plastic
Product Dimensions (H x W x D)	4" x 1.75" x 1.75" (10.16cm x 4.45cm x 4.45cm)
Number of Settings	4 programmable ON/OFF settings
UPC	030878479417
Manufacturer	Jasco Products Company, LLC
Batteries Required	No

4.06" (10.31cm)

1.75" (4.45cm)

1.75" (4.45cm)

Image 4.1: Physical dimensions of the UltraPro In-Wall Timer. This image shows the side and front view of the

timer with measurements indicating a height of 4.06 inches (10.31 cm) and a depth/width of 1.75 inches (4.45 cm).

5. INSTALLATION

This timer is designed to replace a standard single-pole or three-way wall switch. A neutral wire is required for proper operation.

5.1 Before You Begin

1. **Turn off power:** Locate the circuit breaker or fuse that supplies power to the switch you are replacing and turn it OFF. Verify power is off using a voltage tester.
2. **Remove existing switch:** Carefully remove the wall plate and unscrew the existing switch from the wall box.
3. **Identify wires:** Identify the LINE (hot), LOAD, NEUTRAL, and GROUND wires. A neutral wire is essential for this timer. If a neutral wire is not present, consult a qualified electrician.

Image 5.1: Comparison of a standard wall switch and the UltraPro timer. This image illustrates how the timer replaces a conventional wall switch, showing the timer with its protective door closed and then open to reveal the programming buttons.

5.2 Wiring Instructions

The UltraPro timer uses screw terminals for wire connections, eliminating the need for wire leads.

1. **Connect GROUND wire:** Connect the bare copper or green insulated GROUND wire from the wall box to the GROUND terminal on the timer.
2. **Connect NEUTRAL wire:** Connect the white NEUTRAL wire from the wall box to the NEUTRAL terminal on the timer.
3. **Connect LINE wire:** Connect the LINE (hot) wire from the wall box to the LINE terminal on the timer.
4. **Connect LOAD wire:** Connect the LOAD wire (to the light fixture) from the wall box to the LOAD terminal on the timer.
5. **Three-way wiring (if applicable):** If replacing a three-way switch, connect the TRAVELER wire to the TRAVELER terminal on the timer. Ensure the other three-way switch is compatible or replaced with a standard switch.
6. **Secure connections:** Tighten all screw terminals to 8.85 - 12.39 lbf-in (1.0 - 1.4 Nm).
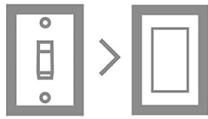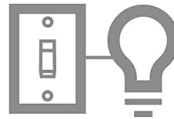
Image 5.2: Wiring diagram for the UltraPro In-Wall Timer. This image shows the back of the timer with labeled terminals for Load, Neutral, Line, Ground, and Traveler wires, along with a note indicating that a neutral wire is required.

5.3 Final Steps

1. **Mount timer:** Carefully push the wired timer into the wall box and secure it with the provided screws.
2. **Install faceplate:** Attach the desired white or light almond door/faceplate.
3. **Restore power:** Turn the power back ON at the circuit breaker.

6. OPERATION AND PROGRAMMING

The timer features a digital display and multiple buttons for setting time, programming schedules, and manual control. The programming buttons are located behind a hinged door.
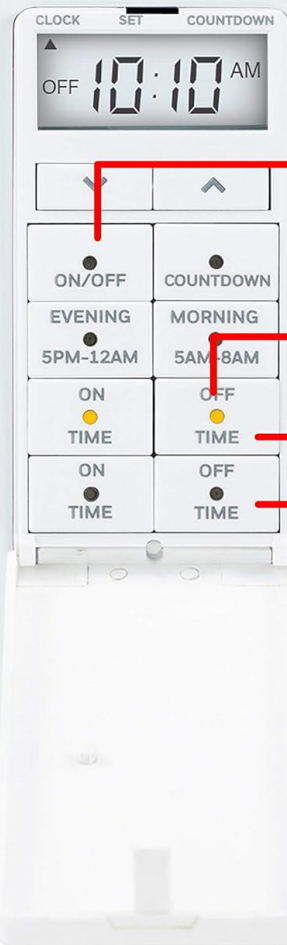
Image 6.1: Front view of the UltraPro In-Wall Timer control panel. This image highlights the LCD display, ON/OFF override button, amber LED indicator lights, and programmable ON/OFF buttons.

6.1 Setting the Current Time

1. Open the hinged door to access the programming buttons.
2. Press the **CLOCK** button. The time display will flash.
3. Use the **UP** (▲) and **DOWN** (▼) arrow buttons to adjust the hour and minute. Press **CLOCK** again to toggle between hour and minute adjustment.
4. Press **SET** to confirm the time.

6.2 Programming ON/OFF Cycles

The timer allows for up to 4 programmable ON/OFF settings. Each setting consists of an ON time and an OFF time.

1. Open the hinged door.
2. Press the **SET** button. The display will show "ON 1" and the time will flash.
3. Use the **UP** (▲) and **DOWN** (▼) arrow buttons to set the desired ON time for program 1. Press **SET** to confirm.
4. The display will then show "OFF 1" and the time will flash. Use the **UP** (▲) and **DOWN** (▼) arrow buttons to set the desired OFF time for program 1. Press **SET** to confirm.
5. Repeat steps 2-4 for programs 2, 3, and 4. After setting "OFF 4", pressing **SET** will return the

timer to normal operation.

2 Custom ON/OFF Times
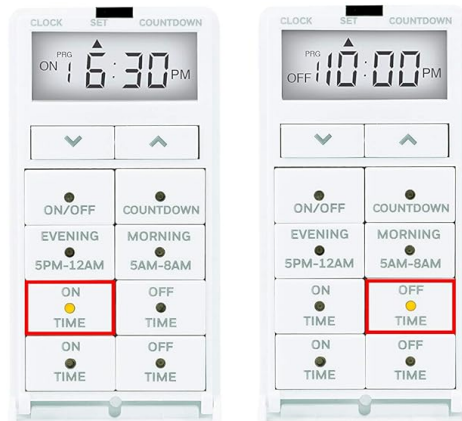
Program 1

ON at 6:30 P.M.
OFF at 10:00 P.M.

Program 2

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

Image 6.2: Examples of two custom ON/OFF time programs. This image illustrates how to set Program 1 (ON at 6:30 P.M., OFF at 10:00 P.M.) and Program 2 (ON at 8:30 A.M., OFF at 3:00 P.M.) using the timer's display and buttons.

6.3 Using Presets

The timer includes pre-programmed settings for common lighting schedules:

- **EVENING (5PM-12AM):** Activates lights from 5:00 PM to 12:00 AM.
- **MORNING (5AM-8AM):** Activates lights from 5:00 AM to 8:00 AM.

To activate a preset, simply press the corresponding button (**EVENING** or **MORNING**) located behind the hinged door.

6.4 Countdown Feature

The countdown feature allows you to turn the lights ON or OFF after a specified duration.

1. Open the hinged door.
2. Press the **COUNTDOWN** button. The display will show a default countdown time.
3. Use the **UP** (▲) and **DOWN** (▼) arrow buttons to adjust the countdown duration.
4. Press **COUNTDOWN** again to start the countdown. The lights will turn ON or OFF when the countdown finishes, depending on their current state.

6.5 ON/OFF Override Button

The large **ON/OFF** button on the front of the timer (visible when the door is closed) allows for manual control, overriding any active program or countdown. Pressing this button will toggle the connected lights ON or OFF.

Image 6.3: UltraPro In-Wall Timer with the patented door open. This image shows the timer's hinged door in the open position, revealing the programming buttons and the digital display.

7. MAINTENANCE

The UltraPro In-Wall Timer requires minimal maintenance.

- **Cleaning:** To clean the timer, wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Door Replacement:** The timer includes interchangeable white and light almond doors. To replace, gently pry off the existing door and snap the new one into place.

8. TROUBLESHOOTING

If you experience issues with your UltraPro In-Wall Timer, refer to the following common problems and solutions:

- **Timer display is blank:**

  - Ensure power is supplied to the timer at the circuit breaker.
  - Verify all wiring connections (LINE, NEUTRAL) are secure.

- **Lights do not turn ON/OFF according to schedule:**

  - Check that the current time is set correctly.
  - Review your programmed ON/OFF times for accuracy.
  - Ensure the timer is not in manual override mode (press the large ON/OFF button to toggle).
  - Verify the LOAD wire connection is secure.

- **Lights remain ON or OFF constantly:**

  - The timer may be in manual override mode. Press the large ON/OFF button to return to programmed operation.
  - Check for any active countdowns or presets that might be overriding the main schedule.

- **Timer buttons are unresponsive:**

  - Ensure the hinged door is fully open to access all programming buttons.
  - Temporarily turn off power at the circuit breaker for 5 minutes, then restore power to reset the timer.
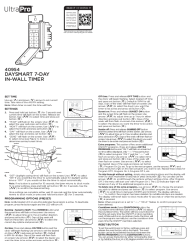
9. WARRANTY AND SUPPORT
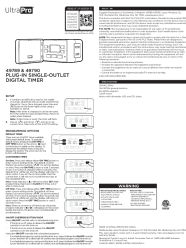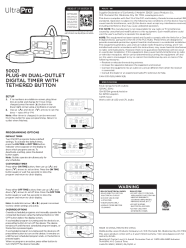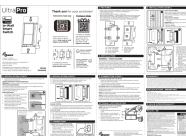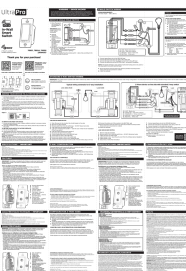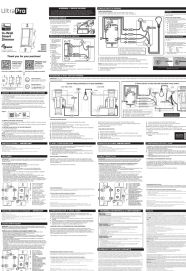
For warranty information and technical support, please contact the manufacturer, Jasco Products Company, LLC. Refer to the product packaging or the manufacturer's official website for the most current contact details and warranty terms.
**Manufacturer:** Jasco Products Company, LLC

Related Documents - 47941

[UltraPro 40954 DAYSMART 7-DAY IN-WALL TIMER - User Manual and Instructions](#)
Comprehensive user manual for the UltraPro 40954 DAYSMART 7-Day In-Wall Timer. Learn how to set time, program schedules, use preset options, and understand specifications and safety warnings. Control your lighting with smart scheduling.

[UltraPro 49789 & 49790 Plug-In Single-Outlet Digital Timer User Manual](#)
This guide provides instructions for setting up, programming, and operating the UltraPro 49789 and 49790 plug-in single-outlet digital timers. It covers default and custom programming, manual override functions, specifications, safety warnings, and manufacturer information.

[UltraPro 50021 Plug-In Dual-Outlet Digital Timer User Manual](#)
Detailed instructions for setting up and programming the UltraPro 50021 plug-in dual-outlet digital timer with tethered button. Learn how to set time, create custom and default schedules, and use override functions.

[UltraPro Z-Wave In-Wall Smart Switch Installation Guide](#)
Comprehensive guide for installing and operating the UltraPro Z-Wave In-Wall Smart Switch (ZW4008), including wiring instructions, features, specifications, and Z-Wave network integration.

[UltraPro Z-Wave Plus In-Wall Smart Switch Installation Guide](#)
This guide provides instructions for installing and using the UltraPro Z-Wave Plus In-Wall Smart Switch (model ZWN4017). It covers wiring diagrams, features, specifications, and troubleshooting.

[UltraPro Z-Wave In-Wall Smart Dimmer Installation Guide](#)
Installation and configuration guide for the UltraPro Z-Wave In-Wall Smart Dimmer (models 59350, 59372, 59373, ZWA3016). Covers wiring, Z-Wave network integration, features, and troubleshooting.

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