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> UPM DT520 Digital Dusk-to-Dawn Outdoor Timer Instruction Manual

UPM DT520

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Model: DT520 | Brand: UPM

INTRODUCTION

The UPM DT520 Digital Dusk-to-Dawn Outdoor Timer provides an easy way to control your outdoor lighting. It features a photocell light sensor to automatically turn lights on and off, along with various timed settings. This manual will guide you through its setup, operation, and important safety considerations.

IMPORTANT SAFETY INFORMATION

- **Do Not Use Extension Cords:** Do not use extension cords to connect the timer to a power source.
- **Do Not Exceed Electrical Ratings:** The unit is rated for up to 15A/1875W Resistive, or 10A/1250W Tungsten, or 1/2 Horsepower. Do not exceed these limits.
- **Avoid Heating Elements:** Do not use the unit to control anything with heating elements.
- **Keep Away from Water:** Do not use near standing water or submerge the unit.

SETUP

Initial Connection

Plug the UPM DT520 timer into a grounded outdoor outlet. Ensure the outlet is protected from direct water exposure.



Front view of the UPM DT520 outdoor timer, featuring a rotary dial for mode selection and a light sensor.

Remote Battery Installation

If your model includes a remote control, install the battery as follows:

1. Remove the battery cover from the back of the remote.
2. Insert the provided battery, ensuring correct polarity.
3. Replace the battery cover.



This video demonstrates the remote battery installation process for the timer.

Remote Pairing/Re-pairing

The remote should be pre-paired. If re-pairing is needed:

1. Unplug the timer from the outlet.
2. On the remote, press and hold both the "ON" and "OFF" buttons simultaneously.
3. While still holding the buttons, plug the timer back into the outlet.
4. The power indicator light on the timer should blink, confirming successful re-pairing.



This video demonstrates the re-pairing process for the remote control with the timer.

OPERATING MODES

The DT520 timer offers several operating modes, selected by rotating the dial on the unit.

Mode Selection

- **OFF:** Power is off to all attached devices.
- **ON:** Power is continuously on to all attached devices.
- **DUSK-DAWN:** The timer will automatically turn on at dusk and remain on until dawn.
- **2HRS:** The timer will turn on at dusk and remain on for 2 hours.
- **4HRS:** The timer will turn on at dusk and remain on for 4 hours.
- **6HRS:** The timer will turn on at dusk and remain on for 6 hours.
- **8HRS:** The timer will turn on at dusk and remain on for 8 hours.



This video illustrates how to select different operating modes using the timer's dial.

Light Sensing Functionality

The timer utilizes a light-sensitive photocell to detect ambient light levels.

- In timed modes (2/4/6/8 HRS), the program cycle will complete before the timer resets.
- Temporary light sources (e.g., car headlights, porch lights) will not interfere with the timer's operation unless they are on for more than 15 minutes. If a strong light source is present for an extended period, the timer may shut off until darkness is restored.
- Ensure the timer's sensor is not obstructed by bushes or other objects that would prevent it from sensing daylight.



This video provides information on the light sensing capabilities of the timer and how it responds to different light conditions.

Remote On/Off Override

In any timed mode, the remote can temporarily turn the timer on or off. The timer will revert to its programmed schedule at the next assigned time. If the timer dial is set to "ON" or "OFF", the remote will toggle the device's power state, and it will remain in that state until manually changed.



This video explains how to use the remote control for temporary on/off override and its interaction with the timer's programmed modes.

MAINTENANCE

Regularly inspect the timer and its connections for any signs of damage or wear. Keep the photocell sensor clean and free from obstructions to ensure proper operation. Disconnect power before cleaning or performing any maintenance.

TROUBLESHOOTING

Lights Not Turning On/Off as Expected

- Check the dial setting to ensure the correct operating mode is selected.
- Verify the photocell sensor is clean and not obstructed by debris, plants, or other objects.
- Ensure no strong, continuous artificial light sources are interfering with the photocell sensor.
- Confirm the timer is securely plugged into a grounded outlet and receiving power.

Remote Not Working

- Check the remote's battery and replace if necessary.
- Attempt to re-pair the remote with the timer following the "Remote Pairing/Re-pairing" instructions in the Setup section.
- Ensure you are within the 100-foot remote range.

SPECIFICATIONS

| Property | Value |
|--------------------|---------------------------------|
| Brand | UPM |
| Model Number | DT520 |
| Color | Dark Grey |
| Product Dimensions | 4.2 x 6 x 10 cm |
| Item Weight | 220 g |
| Material | Acrylonitrile Butadiene Styrene |

| | |
|--------------------|---|
| Electrical Rating | 15A/1875W Resistive, 10A/1250W Tungsten, 1/2 Horsepower |
| Number of Settings | 7 (OFF, ON, DUSK-DAWN, 2HRS, 4HRS, 6HRS, 8HRS) |
| UPC | 836637008832 |

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the included guide or contact UPM customer service directly. Contact details can typically be found on the product packaging or the manufacturer's official website.