AMERICAN HUNTER 305819

American Hunter E-Kit Photocell Feeder Kit Instruction Manual

Model: 305819

Introduction

The American Hunter E-Kit Photocell Feeder Kit is designed to provide automated feeding for deer and game, ensuring consistent nutrition and effective wildlife management. This kit offers precise control over feeding schedules with its photocell technology, allowing for feeding at dusk and dawn. Its durable construction ensures reliable performance in various outdoor conditions.

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your American Hunter E-Kit Photocell Feeder Kit. Please read all instructions carefully before use to ensure proper function and longevity of the product.

Product Overview



This image shows the main component of the American Hunter E-Kit Photocell Feeder Kit. It is a black, rectangular control box with the "AMERICAN HUNTER OUTDOOR PRODUCTS" logo prominently displayed. The top features a central, funnel-like opening for feed distribution. This unit houses the motor and photocell technology.



This image illustrates the dimensions of the American Hunter E-Kit Photocell Feeder Kit, indicating it is approximately 20 inches in length, width, and height. These dimensions are for the main control box component.

Key Features:

- Feeds twice a day: dusk and dawn, utilizing photocell technology.
- Adjustable feed rate from 1 to 30 seconds.
- Durable powder-coated metal downspout.
- High torque motor for efficient feed dispersal.
- Galvanized metal mounting bracket and slinger for secure attachment.
- Requires a 6V spring top SLA battery (recommended DE-30045, not included).

Setup Instructions

1. Unpacking and Inspection:

Carefully remove all components from the packaging. Inspect all parts for any signs of damage. If any parts are missing or damaged, do not proceed with assembly and contact customer support.

2. Battery Installation:

1. Ensure the feeder kit is turned off or disconnected from any power source.
2. Locate the battery compartment on the unit.
3. Insert a 6V spring top SLA battery (model DE-30045 recommended, not included) into the compartment, ensuring correct polarity.
4. Secure the battery compartment cover.

3. Mounting the Feeder Kit:

The kit includes a galvanized metal mounting bracket and slinger designed for attachment to various feeder containers (e.g., 5-gallon buckets, barrels). Ensure the container is stable and capable of holding the weight of the feed.

1. Attach the feeder kit to the bottom of your chosen feed container using the provided mounting bracket and hardware. Ensure a secure fit to prevent dislodging during operation or due to animal interaction.
2. Verify that the metal downspout is positioned correctly to allow feed to exit freely.

Operating Instructions

1. Filling the Feeder:

Fill your feed container with the desired type of game feed. Ensure the feed is dry and free of debris that could obstruct the feeder mechanism.

2. Setting the Feed Rate:

The American Hunter E-Kit Photocell Feeder Kit allows for an adjustable feed rate from 1 to 30 seconds. This setting determines the duration the motor runs during each feeding cycle.

1. Locate the feed rate adjustment mechanism on the control box.
2. Adjust the setting to your desired feed duration. A longer duration will dispense more feed.

3. Photocell Operation:

The photocell technology automatically activates the feeder twice a day: at dusk and at dawn. No manual timer setting is required for these primary feeding times.

- Ensure the photocell sensor is clean and unobstructed by dirt, leaves, or other debris to ensure accurate light detection.
- Position the feeder in an area where the photocell can receive adequate ambient light for proper dusk/dawn detection. Avoid placing it in constant shade if you rely solely on photocell activation.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your feeder kit.

- **Battery Check:** Periodically check the 6V battery. Replace it when performance diminishes or if the feeder stops operating. Using the recommended DE-30045 battery or equivalent high-quality 6V spring top SLA battery is crucial for reliable operation.
- **Cleaning:** Keep the feeder's downspout and slinger free of debris, caked-on feed, or insect nests. A clean mechanism ensures smooth feed dispersal. Wipe down the exterior of the control box as needed.
- **Photocell Sensor:** Ensure the photocell sensor is clean and free from obstructions to allow for accurate light detection.
- **Mounting Security:** Regularly inspect the mounting bracket and hardware to ensure the feeder remains securely attached to its container. Tighten any loose fasteners.
- **Storage:** If storing the feeder for an extended period, remove the battery and store the unit in a dry, cool place.

Troubleshooting

Problem	Possible Cause	Solution
Feeder not dispensing feed.	Dead or low battery; obstructed downspout/slinger; incorrect feed rate setting; faulty motor.	Check and replace battery if needed. Clear any obstructions from the downspout and slinger. Verify feed rate setting. If problem persists, motor may need replacement.
Feeder dispenses too much or too little feed.	Incorrect feed rate setting.	Adjust the feed rate setting to the desired duration (1-30 seconds).

Problem	Possible Cause	Solution
Feeder not activating at dusk/dawn.	Obstructed photocell sensor; insufficient light; faulty photocell.	Clean the photocell sensor. Relocate the feeder to an area with better light exposure. If problem persists, photocell may be faulty.
Motor runs continuously or erratically.	Faulty photocell; internal wiring issue; battery connection issue.	Check battery connection for tightness. Ensure photocell is clean and functioning. If issue persists, contact customer support.

Specifications

- **Model Number:** 305819
- **Brand:** AMERICAN HUNTER
- **Power Source:** 6V Spring Top SLA Battery (not included)
- **Feed Rate:** Adjustable, 1-30 seconds
- **Feeding Frequency:** Twice daily (dusk and dawn) via Photocell Technology
- **Material:** Powder-coated metal downspout, galvanized metal mounting bracket & slinger
- **Product Dimensions:** Approximately 20"L x 20"W x 20"H (for the main unit)
- **Item Weight:** 1.9 Pounds
- **Color:** Black

Warranty and Support

For warranty information or technical support, please contact American Hunter customer service. Refer to the product packaging or the official American Hunter website for the most current contact details.
Important Safety Warning: This product may contain chemicals known to the state of California to cause cancer and reproductive harm. For more information, visit www.P65Warnings.ca.gov.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question