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> Asfrost Automatic Chicken Coop Door Solar Powered: Instruction Manual for Model 01089

AsFrost 01089

Asfrost Automatic Chicken Coop Door Solar Powered: Instruction Manual

Model: 01089

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Asfrost Automatic Chicken Coop Door. This device is designed to automate the opening and closing of your chicken coop door, offering convenience and security for your poultry. It features multiple operating modes, including timer and light sensor, and can be powered by solar energy or USB Type-C.



Figure 1: Asfrost Automatic Chicken Coop Door with included solar panel and remote control.

2. PRODUCT FEATURES

- **Solar-Powered & USB Type-C Charging:** Equipped with a built-in 2000mAh battery, rechargeable via solar panel or included USB Type-C cable.
- **Multiple Operating Modes:** Supports Timer mode, Light Sensor mode, Remote Control mode, and Manual mode for flexible operation.
- **Anti-Pinch Design:** Incorporates an anti-trap feature to ensure the safety of your chickens during door operation.
- **Durable Construction:** Made from sturdy aluminum alloy for weather resistance and long-term use.
- **Easy Installation:** Designed for straightforward setup without requiring specialized expertise.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- Automatic Chicken Door Unit
- Solar Panel
- 1 Remote Control

- 1 USB to DC Power Cable
- 8 Screw Spikes

4. SETUP AND INSTALLATION

The chicken coop door and frame come pre-assembled. Installation involves mounting the unit and positioning the solar panel.

4.1 Mounting the Door Unit

1. Identify a suitable opening on your chicken coop. The door opening for chickens is approximately 8.25 inches wide by 9.5 inches tall. If a pre-existing opening is not available, create one to these dimensions.
2. Position the door unit over the opening. The unit has 6 screw holes for mounting. The side-to-side holes are 9 inches on center, and the top-to-bottom holes are 8.75 inches on center.
3. Secure the door unit using the provided screw spikes. **Important:** Do not over-tighten the screws to avoid frame distortion, which can prevent proper door operation.

4.2 Solar Panel Installation

1. The solar panel has a 9-foot 3-inch cord. Choose a location that receives maximum direct sunlight throughout the day.
2. Mount the solar panel using the keyhole slot on the back or the two kickstands to angle it. Ensure the panel is securely fixed and oriented for optimal sun exposure.
3. Connect the solar panel cable to the charging port on the main door unit.

5. OPERATING MODES

The Asfrost Automatic Chicken Coop Door offers several operating modes to suit your needs.

5.1 Timer Mode

Set specific times for the door to open and close. This mode is ideal for consistent daily schedules.

- Refer to the control panel instructions for setting open and close times.
- Ensure the internal clock is set correctly.

5.2 Light Sensor Mode

The door will open at dawn and close at dusk based on ambient light conditions. This mode adapts to seasonal changes in daylight.

- Adjust the light sensitivity settings on the control panel for both opening and closing.
- Test the settings to ensure the door operates as desired under varying light conditions.

5.3 Remote Control Mode

Use the included remote control to manually open or close the door from a distance.

- The remote control has a limited range (approximately 50 feet).
- Point the remote directly at the door unit for best performance.

5.4 Manual Mode

Operate the door directly using the buttons on the control panel.

- Press the designated buttons on the control panel to raise or lower the door.

6. CHARGING

The door unit is powered by a built-in 2000mAh battery, which can be charged via two methods:

- **Solar Charging:** The connected solar panel continuously charges the battery during daylight hours. Ensure the solar panel is clean and positioned for maximum sun exposure.
- **USB Type-C Charging:** For periods of low sunlight or if additional charging is needed, connect the included USB Type-C cable to the door unit and a compatible USB power source.

7. SAFETY FEATURES

7.1 Anti-Pinch Mechanism

The door is equipped with an anti-trap feature. If an obstruction is detected during closing, the door will reverse slightly and pause for approximately 15 seconds before attempting to close again. This prevents injury to chickens and damage to the door.

8. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your chicken coop door.

- **Cleaning:** Periodically clean the door, tracks, and solar panel to remove dirt, dust, and debris. Use a soft, damp cloth. Avoid abrasive cleaners.
- **Obstruction Check:** Regularly inspect the door path for any potential obstructions that could interfere with its operation.
- **Battery Check:** While solar charging is efficient, monitor the battery indicator (if available) during prolonged cloudy periods or winter months to ensure adequate power.

9. TROUBLESHOOTING

If you encounter issues with your Asfrost Automatic Chicken Coop Door, refer to the following common solutions:

- **Door Not Opening/Closing:**
 - Check for obstructions in the door path.
 - Ensure the battery is charged.
 - Verify that the operating mode (Timer/Light Sensor) is correctly configured.
 - Check for over-tightened mounting screws that might be distorting the frame.
- **Solar Panel Not Charging:**
 - Ensure the solar panel is clean and free of debris.
 - Verify the solar panel is positioned to receive direct sunlight.
 - Check the connection cable between the solar panel and the door unit.
- **Remote Control Not Working:**
 - Ensure you are within the remote's operating range (approx. 50 feet).
 - Point the remote directly at the door unit.
 - Check the remote control's battery.

10. SPECIFICATIONS

Specification	Detail
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Brand	AsFrost
Model Name	01089-A2
Item Model Number	01089
Product Dimensions	35.1L x 6.8W x 26.8H Centimeters
Material	Aluminum
Item Weight	903 g
Power Source	Solar Powered, USB Type-C
Battery Capacity	2000mAh (Built-in)
Door Opening Dimensions	Approx. 8.25 inches (W) x 9.5 inches (H)
Remote Control Range	Approx. 50 feet

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Asfrost customer service. Keep your purchase receipt for warranty claims.