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FOFNON Automatic Solar Chicken Flap (Model CCD1-EU) User Manual

1. INTRODUCTION

The FOFNON Automatic Solar Chicken Flap, Model CCD1-EU, is designed to provide a secure and convenient solution for managing your poultry. This intelligent door system features solar power, a long-lasting battery, and multiple operating modes to ensure your chickens are safely housed, even when you are away.

Key features include:

- **Solar Powered with Battery Backup:** Equipped with a solar panel and a 2000mAh battery, offering up to 45 days of operation on a full charge.
- **Time and Light Sensor Modes:** Automatic opening and closing based on preset times or ambient light levels.
- **Versatile Size:** Door opening measures 9.4 inches high and 10.8 inches wide, suitable for various poultry types under 4.5 kg.
- **Intelligent Anti-Pinch Function:** Safety mechanism to prevent injury to poultry during closing.
- **Durable Construction:** Made from aluminum alloy and ABS plastic, with IP66 certification for resistance to harsh weather conditions (-35°C to 60°C).
- **Easy Installation:** Designed for quick and straightforward setup.



The FOFNON Automatic Solar Chicken Flap system, featuring the main door unit, a solar charging panel, and a remote control for convenient operation.

2. SAFETY INFORMATION

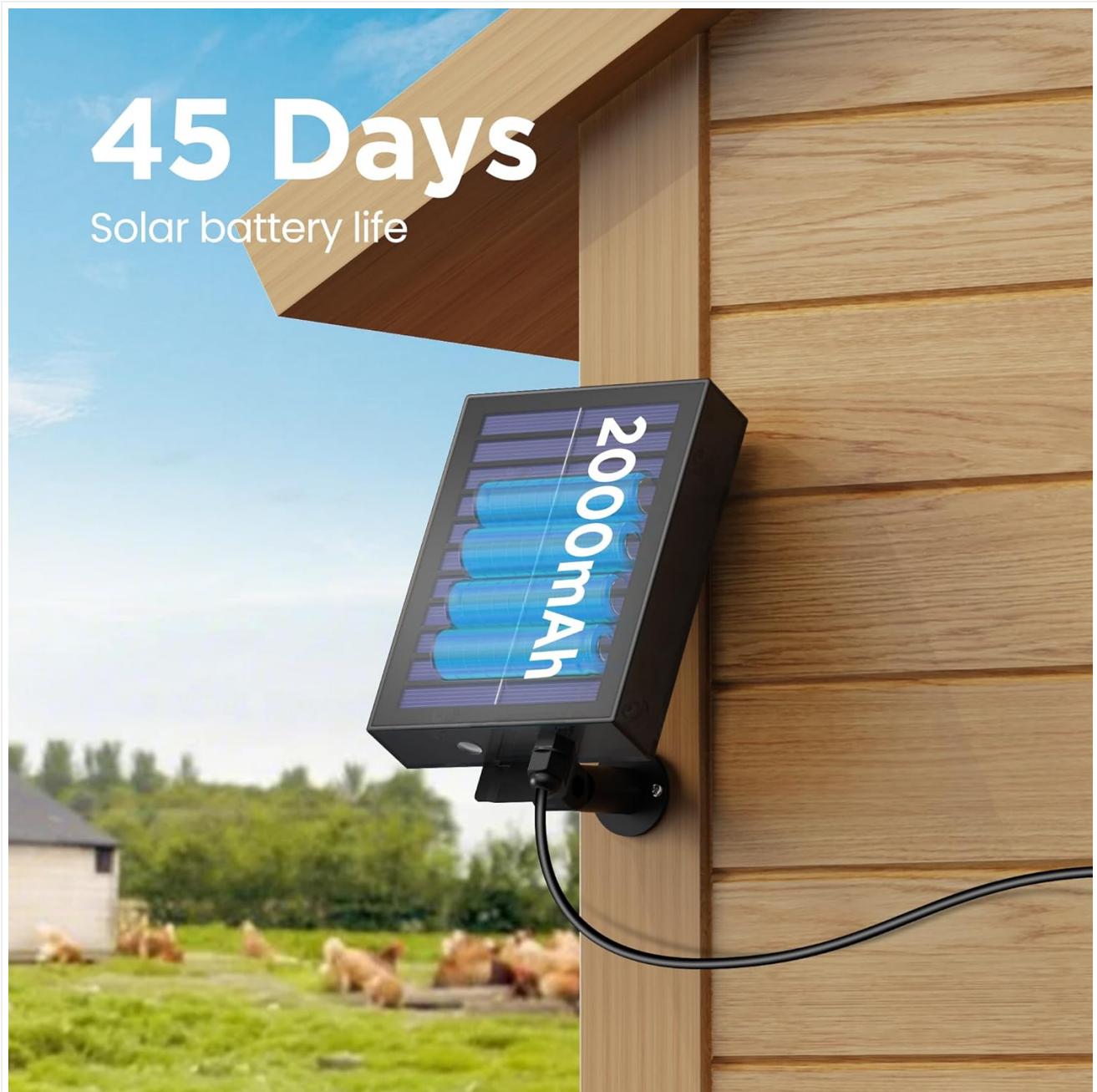
Please read and adhere to the following safety guidelines to ensure safe and optimal operation of your FOFNON Automatic Solar Chicken Flap:

1. Fully charge the chicken flap battery using the provided USB-C cable before its initial use.
2. Ensure the solar panel is installed in a location that receives ample direct sunlight throughout the day for effective charging.
3. Apply lubricant regularly to the moving parts of the automatic chicken flap to prevent sticking and ensure smooth operation.
4. Regularly remove any dirt, debris, or obstructions around the automatic chicken coop door to prevent it from jamming.

3. PACKAGE CONTENTS

Verify that all the following components are included in your package:

- 1 x Automatic Chicken Door Unit
- 1 x User Manual (this document)
- 1 x Solar Power Supply (Solar Panel)
- 1 x Remote Control
- 1 x USB Charging Cable
- 10 x Screws for Installation



All components included in the package: the automatic chicken door, user manual, solar power supply, remote control, USB charging cable, and screws.

4. SETUP AND INSTALLATION

Follow these steps to install your FOFNON Automatic Solar Chicken Flap:

1. **Initial Charge:** Before installation, fully charge the door's internal battery using the provided USB-C cable. This ensures optimal performance from the start.

2. **Mount the Door Unit:** Position the automatic chicken door unit on your chicken coop where you intend for the entrance/exit. Secure it firmly using the included screws. Ensure the door has a clear path for opening and closing.
3. **Install the Solar Panel:** The solar panel is crucial for continuous charging. Choose a location that receives maximum direct sunlight throughout the day. You can either mount it directly onto the coop wall or use a ground stake (if provided) to position it in an optimal sunny spot.



The solar panel can be installed either on a ground stake in a sunny location or directly mounted onto the chicken coop wall, offering flexible placement options.

Roll-Up Design

Optimize space utilization



The integrated solar panel charges the 2000mAh battery, providing extended operation. Ensure the panel is positioned for maximum sunlight exposure.

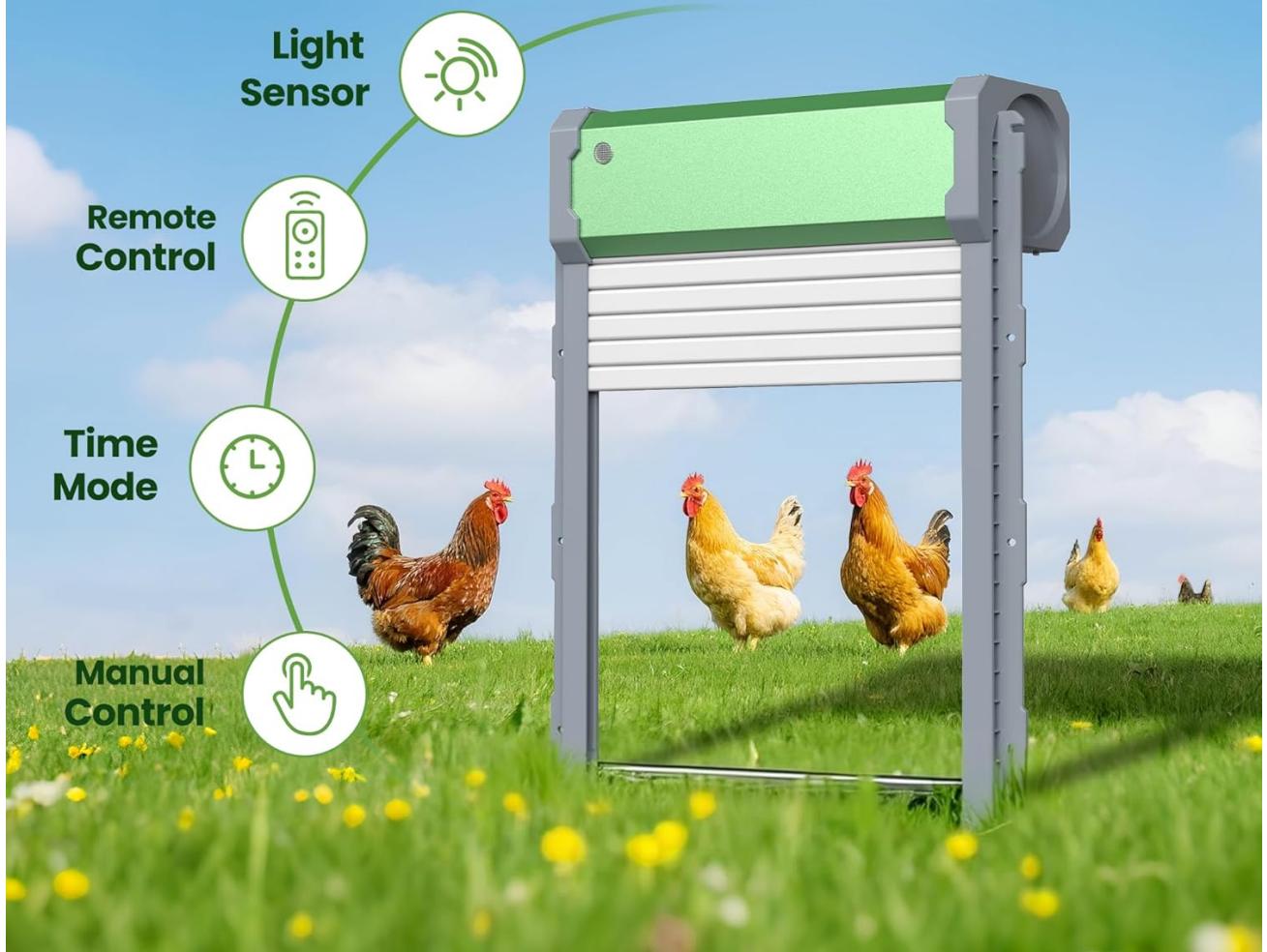
5. OPERATING INSTRUCTIONS

The FOFNON Automatic Solar Chicken Flap offers multiple modes of operation for your convenience:

- **Time Mode:** Set specific opening and closing times for the door. This allows for precise scheduling based on your daily routine or seasonal changes. Refer to the detailed instructions in the included user manual for setting specific times.
- **Light Sensor Mode:** The door will automatically open at dawn and close at dusk, based on ambient light levels. This mode adapts to natural daylight cycles, providing hands-free operation.
- **Remote Control:** Use the provided remote control to manually open or close the door at any time. This is useful for immediate access or overriding automatic settings. The remote has dedicated ON and OFF buttons.
- **Manual Control:** While the remote offers manual override, the system is primarily designed for automated or remote operation.

Four Usage Modes

Convenient for your farming habits



The chicken flap offers four distinct operating modes: automatic control via light sensor, scheduled operation using a timer, manual control with the remote, or direct manual interaction.

5.1. Anti-Pinch Function

The door is equipped with an intelligent anti-pinch safety feature to protect your poultry. If the door encounters resistance during its closing cycle, it will automatically reverse and reopen for approximately 3 seconds before attempting to close again. This mechanism helps prevent injury to any chickens or other objects in the doorway.

IP66 Certification

Better care for poultry



The anti-pinch safety mechanism detects obstructions during closing, automatically reversing for 3 seconds before attempting to close again, protecting your poultry.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your chicken flap:

- **Lubrication:** Periodically apply a suitable lubricant to the door's moving parts and tracks to ensure smooth opening and closing. This prevents friction and potential jamming.
- **Cleaning:** Regularly inspect and clean the area around the door, including the tracks and sensors, to remove any accumulated dirt, feathers, or debris. Obstructions can interfere with the door's movement and sensor accuracy.
- **Solar Panel:** Keep the solar panel clean and free of dust, leaves, or snow to maximize its charging efficiency.

7. TROUBLESHOOTING

If you encounter issues with your FOFNON Automatic Solar Chicken Flap, refer to the following common problems and solutions:

- **Door Not Opening/Closing:**

- Check the battery charge level. Ensure the unit has been fully charged via USB-C and that the solar panel is receiving adequate sunlight.
- Inspect the door tracks and opening for any physical obstructions (dirt, debris, frozen elements). Clear any blockages.
- If using Light Sensor mode, verify that the sensor is not obstructed or covered.
- If using Time Mode, double-check your programmed open/close times.

- **Erratic Operation (Opens/Closes Randomly):**

- Ensure the battery is fully charged. Low battery can sometimes lead to inconsistent behavior.
- Clean the light sensor if operating in Light Sensor mode, as dirt can cause misreadings.
- Verify there are no intermittent obstructions in the door's path that might trigger the anti-pinch function repeatedly.

- **Remote Control Not Responding:**

- Check the battery in the remote control and replace if necessary.
- Ensure you are within the effective range of the remote control.

If these steps do not resolve the issue, please contact FOFNON customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Model Number	CCD1-EU
Product Dimensions (Door Unit)	23.9 x 27.4 x 0.1 cm
Door Opening Dimensions	9.4 inches (Height) x 10.8 inches (Width)
Item Weight	1.85 Kilograms
Material	Aluminium Alloy, ABS Plastic
Battery	2000mAh (rechargeable, included)
Power Source	Solar, USB-C Charging
Closure Type	Roll-Up Flap
Special Features	Solar Powered, Timer, Light Sensor, Anti-Pinch, Remote Control, IP66 Waterproof, Snowproof, Anti-Exposure
Operating Temperature	-35°C to 60°C

Multiple Choices

Two placement methods to meet different needs

OR



The FOFNON chicken flap is designed with IP66 certification, ensuring robust performance and durability in various weather conditions, including snow, rain, and dust, with an operating range from -35°C to 60°C.

9. SUPPORT

FOFNON is committed to providing excellent customer service. If you have any questions, require assistance with installation, operation, or encounter any issues not covered in this manual, please do not hesitate to contact FOFNON customer support. We are dedicated to helping you resolve any problems you may experience with your product.