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Huabor H-S-black door

Huabor Automatic Chicken Coop Door Instruction Manual

MODEL: H-S-BLACK DOOR

Brand: Huabor

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Huabor Automatic Chicken Coop Door. Designed for convenience and security, this door features timer and light sensor controls, remote operation, and an anti-pinch safety mechanism. Please read this manual thoroughly before use to ensure proper function and longevity of your product.

Product Overview and Components

The Huabor Automatic Chicken Coop Door is constructed from durable aluminum and is designed for outdoor use. It offers multiple operating modes to suit various needs.



Figure 1: Complete Kit Components. This image displays the main chicken coop door unit, power supply cable, two remote controls, emergency battery box, infrared bracket, screwdriver, user manual, self-tapping screws, and rain baffle.

Key Features:

- **Automatic Operation:** Timer and light sensor modes for automated opening and closing.
- **Remote Control:** Two remote controls included for manual operation from a distance.
- **Anti-Pinch Safety:** Infrared sensor detects obstructions and reverses door movement to prevent injury.
- **Durable Construction:** Made from aluminum for weather resistance and longevity.
- **Dual Power Options:** Operates via DC power or emergency battery backup.

Anti-pinch design



Figure 2: Anti-Pinch Design. The infrared sensor (yellow component) is visible at the bottom of the door opening. If this sensor detects an obstruction, the door will immediately stop and reverse, preventing harm to chickens or other animals.



Figure 3: Weatherproof Design. The door unit is shown installed on a chicken coop during rainfall, demonstrating its weatherproof construction suitable for outdoor environments.

Setup and Installation

Proper installation is crucial for the optimal performance and safety of your automatic chicken coop door. Follow these steps carefully.

1. Mounting the Door Unit:

1. Choose a flat, vertical surface on your chicken coop for mounting. Ensure there is enough space above the door for it to fully open.
2. Mark the drilling points using the door unit as a template.

3. Drill pilot holes at the marked points.
4. Secure the door unit to the coop using the provided self-tapping screws.

2. Installing the Infrared Sensor:

1. Attach the infrared bracket to the side of the door opening, ensuring the sensor is positioned to detect objects passing through the door.
2. Connect the infrared sensor cable to the designated port on the main control unit.

3. Power Connection:

1. Connect the power supply cable to the DC input port on the control unit.
2. Plug the power adapter into a suitable outdoor power outlet.
3. For battery backup, install 8 AA batteries (not included) into the emergency battery box and connect it to the control unit.

4. Rain Baffle Installation:

1. Mount the clear rain baffle above the door unit using the pre-drilled holes and screws to protect the control unit from rain and snow.

Operating Instructions

The door offers multiple modes of operation: timer, light sensor, and remote control.

1. Control Panel Overview:

- **SET Button:** Used to enter programming mode and confirm settings.
- **+ / - Buttons:** Adjust time or sensitivity values.
- **LEARN Button:** For pairing remote controls.
- **TEST Button:** Initiates a test cycle of the door.
- **Light Sensor:** Detects ambient light levels for automatic operation.
- **Receiving LED:** Indicates remote control signal reception.

Save Time & Protect Chickens



Figure 4: Light Sensor Operation. This image illustrates how the door automatically opens at 7:30 AM (sunrise) and closes at 5:30 PM (dusk) based on its integrated light sensor, providing automated access for poultry.

2. Setting Time-Based Operation:

1. Press the **SET** button to enter time setting mode. The display will flash.
2. Use the **+** and **-** buttons to adjust the desired opening time. Press **SET** to confirm.
3. Repeat the process to set the desired closing time. Press **SET** to confirm.
4. The door will now open and close at the programmed times daily.

3. Setting Light Sensor Operation:

1. Press the **SET** button until the display shows "L" (Light mode).
2. Use the **+** and **-** buttons to adjust the light sensitivity level (1-9, where 9 is most sensitive). Press **SET** to confirm.
3. The door will open at dawn and close at dusk based on the set sensitivity.

4. Remote Control Operation:

1. To pair a remote, press the **LEARN** button on the control unit. The Receiving LED will flash.
2. Press any button on the remote control. The LED will stop flashing, indicating successful pairing.
3. Use the remote to manually open or close the door as needed.

Maintenance

Regular maintenance ensures the reliable operation and extends the lifespan of your chicken coop door.

- **Cleaning:** Periodically clean the door tracks and the infrared sensor to prevent debris buildup that could obstruct movement or sensor function. Use a soft, damp cloth.

- **Battery Check:** If using battery backup, check the battery level regularly and replace batteries as needed to ensure continuous operation during power outages.
- **Inspection:** Inspect all cables and connections for wear or damage. Ensure all mounting screws are tight.
- **Lubrication:** Lightly lubricate the moving parts of the door mechanism with a silicone-based spray if movement becomes stiff.

Troubleshooting

Problem	Possible Cause	Solution
Door does not open/close automatically.	Incorrect timer settings, light sensor sensitivity too low/high, power issue.	Verify timer settings. Adjust light sensor sensitivity. Check power connection and battery backup.
Door stops or reverses unexpectedly.	Infrared sensor obstructed or dirty.	Clear any obstructions from the door path. Clean the infrared sensor.
Remote control not working.	Remote not paired, remote battery low, signal interference.	Re-pair the remote control using the LEARN button. Replace remote batteries. Ensure clear line of sight.
Door movement is stiff or noisy.	Debris in tracks, lack of lubrication.	Clean door tracks. Apply silicone lubricant to moving parts.

Specifications

- **Model Name:** Automatic Chicken Coop Door
- **Item Model Number:** H-S-black door
- **Brand:** Huabor
- **Material:** Aluminum
- **Color:** Black
- **Product Dimensions:** 15.5"L x 11.8"W x 15.5"H
- **Item Weight:** 5.04 pounds
- **Power Source:** DC Powered (adapter included) or 8x AA Batteries (emergency backup)
- **Special Feature:** Anti-Pinch Infrared Sensor
- **Specific Uses for Product:** Outdoor Poultry Habitat

Warranty and Support

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official Huabor website. Keep your purchase receipt for warranty claims.