

[Manuals.plus](#) /

› [SOIJAMAO](#) /

› SOIJAMAO Solar Sound & Light Alarm Motion Sensor User Manual

## SOIJAMAO CT90Y-8 voice

# SOIJAMAO Solar Sound & Light Alarm Motion Sensor

MODEL: CT90Y-8 VOICE - USER MANUAL

## INTRODUCTION

The SOIJAMAO CT90Y-8 Voice Solar Sound & Light Alarm Motion Sensor is an advanced security device designed to protect your property. It features a highly sensitive motion sensor that detects movement within 5-8 meters, triggering a powerful audible and visual alarm. With a siren sound reaching 120 decibels and a bright flashing strobe light, this system provides effective deterrence and alerts. Its solar-powered design ensures continuous operation, making it ideal for various outdoor applications.

## PACKAGE CONTENTS

- 1 x Solar Sound & Light Alarm Motion Sensor (CT90Y-8 Voice)
- 1 x USB Charging Cable
- 1 x Installation Kit (screws, wall anchors)
- 1 x Remote Controller

## KEY FEATURES

- **Motion Activated Alarm:** Detects movement within 5-8 meters, activating a 120-decibel siren and flashing strobe light. Effective for both human and animal detection.
- **High Visibility & Audibility:** Siren can be heard from up to 1000 meters, and the flashing light is visible from up to 1000 meters.
- **Solar Powered:** Equipped with a solar panel for continuous charging and operation.
- **USB Charging Capability:** Allows for alternative charging via USB cable during periods of low sunlight or bad weather.
- **Multiple Working Modes:** Offers three distinct operational modes to suit different security needs.

- **Easy Installation:** Designed for simple screw-in installation in various locations.
- **Remote Control Operation:** Conveniently arm, disarm, and switch modes using the included remote control.
- **Durable Design:** Suitable for outdoor use in diverse environments.

## SETUP AND INSTALLATION



Image: The SOUJAMAO Solar Sound & Light Alarm Motion Sensor unit (white with red accents, black sensor lens, and speaker grille) shown alongside its white remote control.

1. **Unpack the Device:** Carefully remove all components from the packaging. Verify that all items listed in the "Package

Contents" section are present.

2. **Initial Charge:** Before first use, it is recommended to fully charge the device. Place the solar panel in direct sunlight for several hours, or connect the included USB cable to the charging port on the device and a standard USB power adapter (not included). The charging indicator (if present) will show charging status.
3. **Choose Installation Location:** Select a location that receives ample direct sunlight throughout the day for optimal solar charging. Ensure the motion sensor has a clear line of sight to the area you wish to monitor. The device should be mounted at a height that allows for effective motion detection (typically 2-3 meters from the ground).
4. **Mounting:**
  - Mark the desired drilling points on the wall using the device as a template.
  - Drill holes at the marked points.
  - Insert the wall anchors (if necessary for your wall type).
  - Align the device with the holes and secure it firmly using the provided screws.
5. **Test Functionality:** After installation, test the device's motion detection and alarm functions using the remote control to ensure it is operating correctly.

## OPERATING INSTRUCTIONS

---

### Remote Control Functions:

- **Arm Button (Orange Lock Icon):** Activates the alarm system. The device will enter the selected working mode.
- **Disarm Button (Green Unlock Icon):** Deactivates the alarm system. The device will stop monitoring for motion.
- **SOS Button (Red SOS Icon):** Triggers an immediate alarm (siren and strobe light) regardless of the current mode or motion detection.
- **Volume Up Button (Speaker with +):** Increases the alarm volume.
- **Volume Down Button (Speaker with -):** Decreases the alarm volume.
- **Mode Button (24/Sun/Moon Icon):** Cycles through the three working modes.
- **Sensitivity High (Sun Icon):** Sets the motion sensor to high sensitivity.
- **Sensitivity Low (Moon Icon):** Sets the motion sensor to low sensitivity.

### Working Modes:

Use the Mode button on the remote control to switch between the following modes:

#### 1. Mode 1: 24-Hour Sound and Light Alarm Mode

In this mode, the device will activate the sound and light alarm whenever motion is detected, day or night. This mode provides continuous protection.

#### 2. Mode 2: Daytime Sound and Light Alarm Mode

The alarm will only trigger with sound and light during daylight hours when motion is detected. It will not operate during the night.

#### 3. Mode 3: Night Sound and Light Alarm Mode

The alarm will only trigger with sound and light during nighttime hours when motion is detected. It will not operate during the day.

## MAINTENANCE

---

- **Solar Panel Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures efficient charging.
- **Battery Charging:** While primarily solar-powered, if the device experiences prolonged periods of cloudy weather or low sunlight, use the provided USB cable to charge the internal battery. This ensures continuous operation.
- **Sensor Cleaning:** Keep the motion sensor lens clean and free from obstructions to ensure accurate detection.
- **Environmental Considerations:** Ensure the device is not obstructed by overgrown vegetation or other objects that could block sunlight or the sensor's field of view.

## TROUBLESHOOTING

| Problem                                   | Possible Cause  | Solution   |
|---|---|--|
| Device not turning on or holding charge.  | Insufficient solar charging; battery depleted.                  | Ensure solar panel is in direct sunlight. Charge via USB cable for several hours.  |
| Motion sensor not detecting movement.     | Sensor obstructed; incorrect sensitivity setting; out of range. | Clear any obstructions from the sensor lens. Adjust sensitivity to "High" using the remote. Ensure target is within 5-8 meter range.       |
| Alarm not sounding or light not flashing. | Device disarmed; incorrect working mode; low battery.           | Arm the device using the remote. Check the selected working mode (Mode 1 for 24/7, Mode 2 for day, Mode 3 for night). Charge the battery.  |
| Remote control not working.               | Remote battery depleted; out of range; signal interference.     | Replace remote control battery (if applicable). Ensure you are within effective range of the device. Reduce potential signal interference. |

## SPECIFICATIONS

|                           |  |
|---------------------------|--|
| Brand                     | SOUJAMAO                               |
| Model Number              | CT90Y-8 Voice                          |
| Power Source              | Solar Powered, USB Charging            |
| Motion Detection Range    | 5-8 meters (approx. 16-26 feet)        |
| Siren Sound Level         | 120 Decibels                           |
| Audibility Range          | Up to 1000 meters (approx. 3280 feet)  |
| Visibility Range (Strobe) | Up to 1000 meters (approx. 3280 feet)  |
| Battery Type              | 1 x Lithium Polymer battery (included) |
| Battery Life (Standby)    | Up to 20 days (without solar recharge) |

|                            |                                  |
|----------------------------|----------------------------------|
| <b>Installation Method</b> | Screw-In                         |
| <b>Product Dimensions</b>  | 7.95 x 6 x 13.5 inches           |
| <b>Item Weight</b>         | 0.49 Pounds (approx. 7.8 ounces) |
| <b>UPC</b>                 | 783970496942                     |



© 2024 SOUJAMAO. All rights reserved.  
For support, please refer to the product packaging or manufacturer's website.