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Sonew Sonewyxsfke0oz4

Universal Wired Microwave Motion Sensor Instruction Manual

Brand: Sonew | Model: Sonewyxsfke0oz4

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Sonew 12-24V Universal Wired Microwave Motion Sensor. This sensor is designed for automatic door access control, utilizing advanced motion tracking and microwave sensing technology to detect movement and trigger door opening. It is suitable for various public and commercial environments.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply is disconnected before any installation or maintenance work.
- Installation should be performed by qualified personnel in accordance with local electrical codes.
- Do not expose the sensor to extreme temperatures, moisture, or corrosive environments.
- Verify the input voltage (12-24V) matches the sensor's requirements.
- Keep the sensor clean and free from obstructions to ensure proper operation.

3. PRODUCT OVERVIEW

The Sonew Microwave Motion Sensor is a compact and robust device designed for reliable motion detection in various settings. Its primary function is to detect approaching individuals and signal automatic doors to open.

Key Features:

- **High Sensitivity:** Quick and accurate response to motion.
- **Advanced Technology:** Utilizes motion tracking and 24.125GHz microwave sensor technology.
- **Adjustable Detection Area:** The sensor's detection area can be adjusted in four directions (left, right, up, and down) for optimal performance.
- **Wide Application:** Suitable for commercial, industrial, and automatic access areas such as supermarkets, ATMs, airports, and elevators.
- **Durable Construction:** Made of ABS plastic for longevity.

Components:

The sensor unit consists of the main housing, internal microwave detection module, and wiring terminals. The housing is designed for easy mounting and adjustment.



Figure 3.1: Front view of the Sonew Universal Wired Microwave Motion Sensor. This image shows the sleek, black, dome-shaped design of the sensor, highlighting its compact form factor.



It uses advanced motion tracking
and 24.125GHz microwave sensor technology.

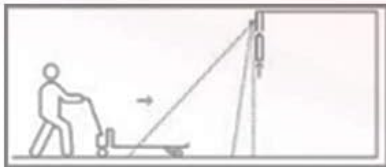


Figure 3.2: The sensor in operation, illustrating its microwave detection field. The red overlay indicates the active sensing area, demonstrating its ability to track motion for automatic door applications.

Adjust the sensor detection area by the four directions:
left, right, up and down.



Figure 3.3: Top-down view of the sensor, showing the subtle indicators for adjusting the detection area. This highlights the sensor's capability for fine-tuning its coverage.



It is widely used in public places automatic doors, elevators, such as supermarkets, ATMs, airports, etc.



Figure 3.4: The sensor positioned above various public and commercial settings, such as offices, residential buildings, and retail stores, illustrating its versatile application in automatic door systems.

Automatic Door Sensors

Microwave induction

Not afraid of strong light

Far sensing range

Sensing more accurate

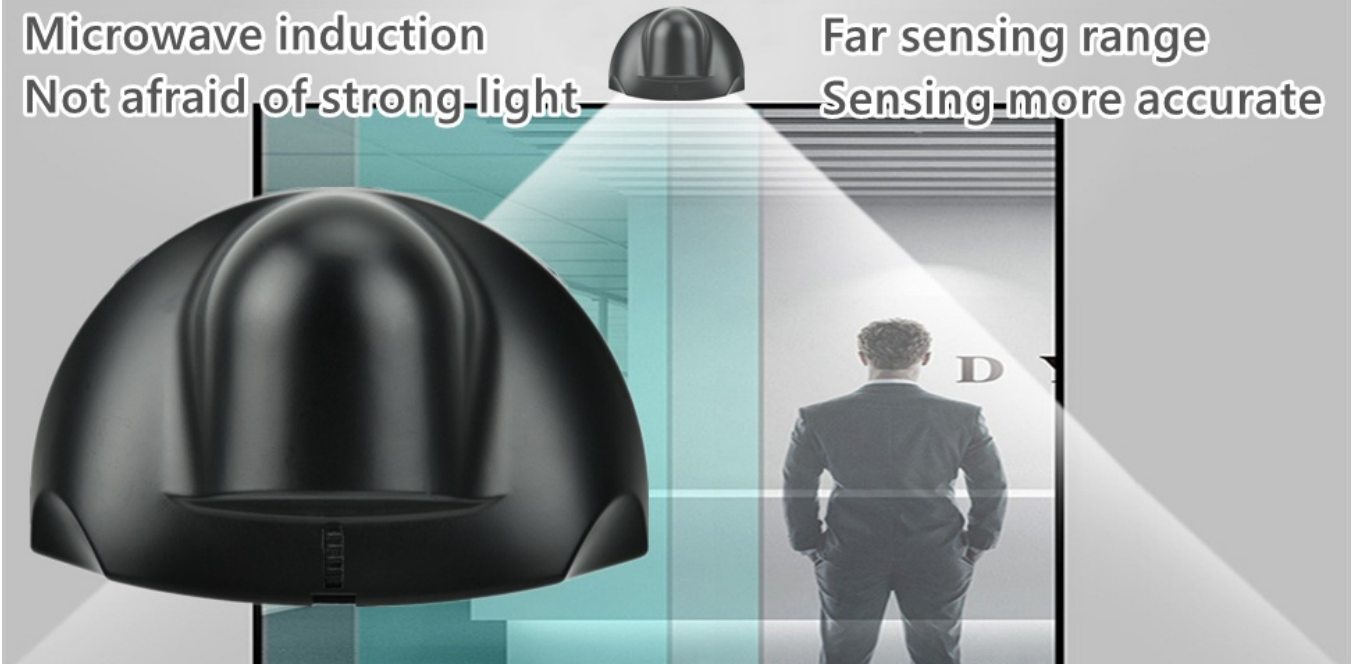


Figure 3.5: A conceptual diagram illustrating the "Automatic Door Sensors" functionality, emphasizing microwave induction, resistance to strong light, and accurate, far-reaching sensing capabilities.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your motion sensor. Follow these steps carefully.

4.1 Unboxing and Inspection

1. Carefully remove the sensor and its accessories from the packaging.
2. Inspect all components for any signs of damage. If any damage is found, do not proceed with installation and contact customer support.
3. Confirm all parts are present: sensor unit, mounting template, and connection cable.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the unboxing and initial handling of the Sonew Universal Wired Microwave Motion Sensor, showing the main unit, connection cable, and mounting template. It also illustrates how to open the sensor's casing to access internal components for wiring and mounting.

4.2 Mounting Location

- Mount the sensor above the automatic door, typically on the door frame or ceiling.
- Ensure the mounting surface is stable and free from vibrations.
- Avoid mounting locations where direct sunlight, strong drafts, or large metallic objects might interfere with the microwave signal.

4.3 Wiring

The sensor operates on a 12-24V power supply. Connect the sensor to the automatic door control system according to the wiring diagram provided with your door system and the sensor's cable color codes.

- **Power Input:** Connect the power wires to a stable 12-24V DC power source.

- **Signal Output:** Connect the signal wires to the automatic door controller's input terminals.
- Ensure all connections are secure and insulated to prevent short circuits.

5. OPERATING INSTRUCTIONS

Once installed and powered, the sensor will begin detecting motion within its configured range.

5.1 Basic Operation

- When a person or object enters the detection area, the sensor will activate.
- Upon activation, the sensor sends a signal to the automatic door controller, prompting the door to open.
- The door will remain open as long as motion is detected within the area, or for a pre-set duration by the door controller.

5.2 Adjusting Detection Area

The sensor allows for adjustment of its detection field to optimize performance for specific environments. This typically involves adjusting the angle or sensitivity of the sensor.

- Refer to the sensor's internal adjustment mechanisms (often small dials or sliders) to modify the detection range and pattern.
- Adjust the sensor detection area by the four directions: left, right, up, and down, to cover the desired approach zone while minimizing false triggers.
- Test the detection area thoroughly after any adjustments to ensure it meets operational requirements.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your sensor.

- **Cleaning:** Periodically wipe the sensor's exterior with a soft, dry cloth to remove dust and dirt. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the sensor and its wiring for any signs of physical damage or loose connections.
- **Performance Check:** Test the sensor's detection capabilities periodically to ensure it is responding correctly and consistently.

7. TROUBLESHOOTING

If you encounter issues with your sensor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Sensor not detecting motion.	No power. Incorrect wiring. Detection area too small or misaligned. Sensor malfunction.	Check power supply (12-24V). Verify wiring connections. Adjust sensor angle and sensitivity. Contact support if problem persists.
Door opens without apparent motion (false triggers).	Detection area too wide. Interference from external sources (e.g., strong vibrations, large moving objects outside the intended area).	Reduce detection area or adjust sensor angle. Identify and mitigate sources of interference.

Problem	Possible Cause	Solution
Intermittent detection.	Loose wiring connection. Partial obstruction of detection field. Fluctuating power supply.	Check and secure all wiring. Ensure clear line of sight for the sensor. Verify stable power supply.

8. SPECIFICATIONS

Attribute	Detail
Brand	Sonew
Model Number	Sonewyxsfke0oz4
Color	Black
Power Source	Corded Electric
Input Voltage	12-24V (implied from title)
Item Weight	0.26 Kilograms (9.2 ounces)
Maximum Range	2.5 Meters
Mounting Type	Door Mount
Compatible Devices	Automatic Door, Elevator
Frequency	24125 MHz
Product Dimensions	6.22 x 4.53 x 2.36 inches
Country of Origin	China
UPC	701069707373

9. WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available information. Please refer to the product packaging or contact the manufacturer directly for warranty terms and conditions.

10. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Sonew Microwave Motion Sensor, please contact Sonew customer service or visit their official store.

Brand: Sonew

Online Store: [Visit the Sonew Store on Amazon](#)

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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.

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