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› HTZSAFE Solar Wireless Driveway Alarm System User Manual

HTZSAFE 4040S+T001Q3

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Brand: HTZSAFE | Model: 4040S+T001Q3

INTRODUCTION

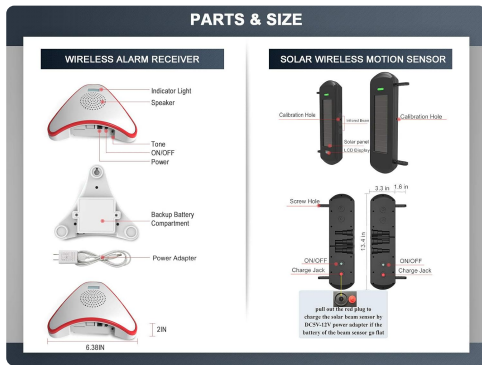
The HTZSAFE Solar Wireless Driveway Alarm System is designed to provide reliable perimeter security for your property. This system utilizes advanced infrared technology and solar power to detect movement and alert you to potential intrusions without the need for complex wiring or frequent battery replacement.

The system consists of solar-powered infrared sensors and a wireless alarm receiver, offering a wide detection and transmission range suitable for various outdoor applications.

COMPONENTS OVERVIEW



The system typically includes one wireless alarm receiver and a pair of solar wireless photoelectric beam sensors. Additional sensors and receivers can be added to expand coverage.



Detailed view of the wireless alarm receiver and solar wireless motion sensor, highlighting key features such as indicator light, speaker, tone/ON/OFF/power buttons, backup battery compartment, power adapter, calibration hole, solar panel, and LCD display.

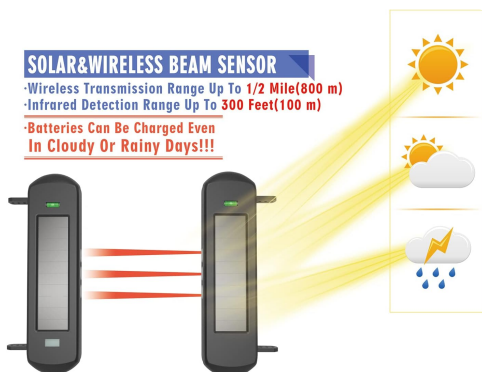
Key Features:

- **Wide Application Range:** Infrared detection up to 300 feet between sensors, wireless signal transmission up to 1/2 mile to the receiver.
- **No Wiring Required:** Sensors are self-powered by solar-recharged batteries, eliminating the need for power or signal cables.
- **Low False Alarm Rate:** Utilizes active and multiple infrared beams to reduce false alarms from small animals, falling leaves, bad weather (rain/fog/snow), and other light source interferences.
- **Easy DIY Setup:** Simple installation process due to wireless and solar-powered design.
- **Expandable System:** Supports connection of up to 32 sensors to one receiver, and a single sensor can connect to unlimited receivers for comprehensive property coverage.
- **Customizable Alerts:** Receiver offers 4 volume levels and 35 optional ringtones to differentiate detection zones.
- **Weatherproof Design:** IP66 rated for resistance to rain, fog, and snow, with an operating temperature range from -40°C to 70°C.

SETUP INSTRUCTIONS

1. Initial Charging of Sensors:

Before installation, ensure the solar panels on the sensors receive sufficient energy. It is recommended to charge them under direct sunlight for 24 hours or via the provided power adapter for 4 hours each. This ensures optimal battery performance from the start.



The solar panels are designed to charge the built-in lithium-ion batteries even on cloudy or rainy days. However, for initial setup, a full charge is recommended.

2. Sensor Placement and Alignment:

Mount the two infrared sensing terminals up to 300 feet apart, ensuring they face each other directly to create an invisible beam. The sensors should be installed at a height that allows for optimal detection of the intended targets (e.g., vehicles, people) while minimizing false alarms from small animals.



Sensors can be mounted on posts, walls, or other stable structures. Ensure a clear line of sight between the two sensors.

Use the built-in self-calibration tools (calibration hole and LCD display) to achieve precise alignment. The LCD display will show a numerical value indicating signal strength; aim for a high value (e.g., over 100) for a strong, reliable connection. The integrated level ensures correct vertical positioning.



The system offers a 300-foot detection range between sensors and a 1/2-mile wireless transmission range from sensors to the receiver. Actual transmission range may vary based on terrain and obstacles.

3. Receiver Connection and Settings:

Connect the wireless alarm receiver to a power outlet using the provided AC adapter. The receiver can also be powered by 4 AA batteries (not included) for portability during setup or as a backup.

Adjust the volume using the dedicated control and select your preferred ringtone from the 35 available options. You can assign different ringtones to different sensors to identify the specific detection zone.

OPERATING THE SYSTEM

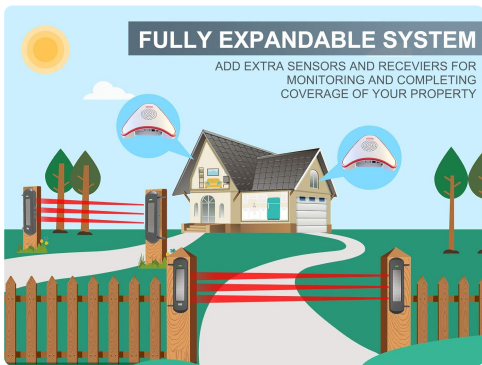
Once installed and powered, the HTZSAFE system operates continuously. When an object (person, vehicle) breaks the infrared beam between the two sensors, a wireless signal is immediately sent to the receiver. The receiver will then sound the selected alarm tone and display the corresponding sensor ID.



The system is versatile and can be used for various applications such as driveway alerts, perimeter alarms, securing garage doors, windows, farm entrances, and fence lines.

Expanding Your System:

The system is fully expandable. You can add up to 32 additional sensors to a single receiver. Each sensor can also be linked to an unlimited number of receivers, allowing for comprehensive coverage across large properties or multiple monitoring points.



This diagram shows how multiple sensors can be strategically placed around a property, all communicating with one or more receivers inside the home, providing a complete security perimeter.

MAINTENANCE

The HTZSAFE Solar Wireless Driveway Alarm System requires minimal maintenance due to its solar-powered design and durable construction.

- **Solar Panel Cleaning:** Periodically clean the solar panels on the sensors to ensure maximum sunlight absorption. Dust, dirt, or debris can reduce charging efficiency.
- **Battery Life:** The built-in lithium-ion batteries are designed for long-term use and are continuously recharged by the solar panels. In periods of prolonged low light, the batteries can support 3-5 days of operation.
- **Weather Protection:** The sensors are IP66 rated, providing excellent resistance to various weather conditions. No special weather protection is typically required.
- **Occasional Checks:** Regularly check the alignment of the sensors, especially after severe weather, to ensure optimal performance.

TROUBLESHOOTING

- **False Alarms:**
 - Ensure sensors are aligned correctly using the LCD display.
 - Adjust sensor height to avoid detection of small animals or falling debris.
 - The system's infrared analysis technology is designed to minimize false alarms from natural light sources and small objects.
- **No Detection/Weak Signal:**
 - Verify clear line of sight between sensors. Obstructions can block the infrared beam.
 - Check the LCD display on the sensors for signal strength. Re-align if the value is low.
 - Ensure the receiver is within the 1/2 mile transmission range and not heavily obstructed by dense walls or large metal objects.
 - Confirm sensors are adequately charged. If batteries are low, charge them using the AC adapter.
- **Receiver Not Powering On:**
 - Check the power adapter connection to the receiver and the wall outlet.

- Ensure the power outlet is functional.
- If using AA batteries, check their charge and correct insertion.

SPECIFICATIONS

Feature	Detail
Brand	HTZSAFE
Model Number	4040S+T001Q3
Color	Black
Power Source	Corded Electric, Solar Powered, Battery Powered
Connectivity Technology	Wireless, Infrared
Installation Type	Self-Adhesive (Note: Mounting hardware for posts/walls is typically included)
Alert Type	Motion
Item Weight	2.42 Kilograms (5.32 pounds)
Voltage	12 Volts
Control Method	App (Note: This might refer to advanced models or general capability, manual focuses on physical controls)
Maximum Range (Wireless Transmission)	0.5 Miles (approx. 800 meters)
Detection Range (Sensor Beam)	300 Feet (approx. 100 meters)
Recommended Uses	Home Security, Motion Detection
Included Components	Battery, Sensors (Note: Receiver and power adapter are also included in typical kits)
Noise Level (Receiver)	35 dB
Sensor Technology	IR (Infrared)
UPC	605244295443
Waterproof Rating	IP66
Operating Temperature	-40°C to 70°C

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official HTZSAFE website or contact their customer service directly. Keep your purchase receipt for any warranty claims.

